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Staff

Director	Advisory Board	Management Team
Prof. D.C.M. Raemaekers	Prof. dr. P.A.J. Attema	Prof. dr. P.A.J. Attema
Prof. dr. P.A.J. Attema	F.B.J. Heinrich, M.A., MSc	Prof.dr. R.T.J. Cappers
	Dr. P.M. van Leusen	Prof. dr. P. D. Jordan
	Dr. M.J.J.E. Loonen	Prof. dr. D.C.M. Raemaekers
	M.A. Los-Weijns	Prof. dr. S. Voutsaki
Members	PhD Students	Support Staff
Dr. S. Arnoldussen	M. Bakker, M.A.	Drs. M.L.J. Bergmans
Prof. P.A.J. Attema	S.M. Beckerman, M.A.	S.A. Blomsma
Dr. C. Çakırlar	S.J. Dresscher, M.A.	S.E. Boersma
Prof. R.T.J. Cappers	T.M. Dijkstra, M.A.	E. Bolhuis
Prof. H.A. Groenendijk	T.F.G. Farrell	R. Hofman
Prof. L. Hacquebord	H.R. de Haas	J.M.C. Delpierre
Prof. A.F.L. van Holk	A.M. Hansen, MSc	F. Geubel
Dr. L. de Jong	F.B.J. Heinrich, M.A.	A.M. Hansen, MSc
Prof. Dr. P.D. Jordan	F. Ippolito, M.A.	M.A. Los-Weijns
Prof. G.J. de Langen	O. Jones, M.A.	Drs. G.J.M. van Oortmerssen
Dr. P.M. van Leusen	M. de Jong	R.M. Palfenier-Vegter
Dr. E. van 't Lindenhout	V. Kalenderian, MSc	Drs. M.G. Peters
Dr. M.J.J.E. Loonen	F. Kruse, M.A.	K. van der Ploeg
Dr. J.A.W. Nicolay	Drs. T. van Loon	F. Possel
Dr. A.J. Nijboer	Drs. W. de Neef	F.T. Sandmann-Cornelis
Dr. J.H.M. Peeters	G.R. Nobles, MSc	Dr. A.J.M. Scheepstra
Prof. D.C.M. Raemaekers	E. Panagiotopoulou, MSc	S. Tiebackx
Ing. F. Steenhuisen	Y. van Popta, M.A.	Drs. L.S. de Vries
Prof. S. Voutsaki	D. Postma, M.A.	Dr. S.L. Willemsen
	M. Schepers, M.A.	
Associate members		Postdocs
Dr. R.M. Bekker	J.F. Seubers, M.A.	Dr. K.L. Armstrong
Dr. B. Hürmüzlü	Drs. T.K. Terpstra	Dr. Barbara Borgers
Dr. J.K. Jacobsen	T. Varwijk, M.A.	Dr. B. Belelli Marchesini
Prof. Dr. J. van der Plicht	W.B. Waldus	Dr. G.W. Tol
Prof. J. Sevink		Dr. T.C.A. de Haas
		Dr. C.W. Wiersma

Funding

Name	Grant	Amount
Expedition Edgeoya Spitsbergen	NWO	€163.000,-
From sweet to salt	NWO Top talent	€211.000,-
The Agricultural Economy of Islamic Jordan	NWO Top talent	€211.000,-
The Avellino Event	NWO Vrije Competitie	€748.000,-
Excavation Wartena	Province of Friesland	€15.000,-
Additional research at Terp Wommels	Province of Friesland	€7.000,-
Terpen & Wierdenland	Waddenfonds	€583.000,-
EU-Polarnet	European Union	€104.000,-
Verbreiding verwachtingskaart uiterwaarden	Rijksdienst Cultureel Erfgoed	€20.000,-
Kasteelterrein Zuidlaren	Waterschap Hunze en Aa's	€17.000,-
Rapport veldkartering Grote Houw & Schouw	Rijksdienst Cultureel Erfgoed	€14.000,-
Noorderstern-Project	Crowdfunding	€13.000,-
Datacollection Arctic Station	Norwegian Polar Institute	€5.000,-

PhD Projects

PhD Enrolment

Starting year	Male	Female	Total
2006	0	2	2
2007	3	3	6
2008	0	2	2
2009	4	2	6
2010	0	3	3
2011	2	2	4
2012	1	3	4
2013	2	0	2
2014	3	4	7

PhD Success rates

Starting year	Graduated in year 4 or earlier $D \leq 4$ (≤ 48 months)		Graduated in year 5 $4 < D \leq 5$ (49-60 months)		Graduated in year 6 $5 < D \leq 6$ (61-72 months)		Graduated in year 7 $6 < D \leq 7$ (73-84 months)	
	#	%	#	%	#	%	#	%
2006	0	0%	0	0%	0	0%	0	0%
2007	0	0%	0	0%	0	0%	0	0%
2008	0	0%	2	50%	2	50%	0	0%
2009	1	16,70%	0	0%	0	0%	0	0%
2010	1	33,30%	0	0%	0	0%	0	0%

Starting year	not yet finished		discontinued	
	#	%	#	%
2006	2	100%	0	0%
2007	4	66,7%	2	33,3%
2008	0	0%	0	0%
2009	3	50%	2	33,3%
2010	2	66,7%	0	0%

PhD Defences in 2014

10 April, Rik Feiken

Dealing with biases. Three geo-archaeological approaches to the hidden landscapes of Italy

Promotor: Prof. Dr. P.A.J. Attema, Prof. Dr. J. Sevink, Co-promotor: Dr. P.M. van Leusen

17 April, Sarah Willemsen

Into the light. A study of the changing burial customs at Crustumerium in the 7th and 6th centuries BC.

Promotor: Prof. Dr. P.A.J. Attema, Co-promotor: Dr. A.J. Nijboer, Dr. F. di Gennaro

15 May, Mans Schepers

Reconstructing vegetation diversity in coastal landscapes

Promotores: Prof. Dr. R.T.J. Cappers, Prof. Dr. D.C.M. Raemaekers, Co-promotor: Dr. R.M. Bekker

Current PhD Projects

Prehistory and Protohistory of Northwest Europe

Bakker, M. (Wadden Academy : University Campus Fryslân, University of Groningen/Groningen Institute of Archaeology, 2013-2017)

The Frisian peat reclamations of the Late Iron Age and Roman Iron Age

Promotores: Prof. Dr. G.J. de Langen. Prof. Dr. D.C.M. Raemaekers, and Prof. Dr. ir. M. Spek. Co-promotor: Dr. J.A.W. Nicolay.

Beckerman, S.M. (NWO, 2009-2014)

Ceramic analysis of Late Neolithic settlements in the province of Noord-Holland (The Netherlands) and interregional comparison

Promotor: Prof. Dr. D.C.M. Raemaekers. Co-promotor: Dr. S. Arnoldussen.

Drenth, E.

The Beaker Cultures in Northwest Europe

Promotor: Prof. Dr. D.C.M. Raemaekers.

Krol, T.N.

Anglo-Saxon pottery of the Northern Netherlands in a regional and cultural context

Promotor: Prof. Dr. G.J. de Langen. Co-promotores: Prof. Dr. D.C.M. Raemaekers, Drs. A. Nieuwhof.

Matthews, S.G.

Techniques and Society: A use-wear analysis of the metalwork from the Middle Bronze Age of North-western Europe

Promotor: Prof. Dr. D.C.M. Raemaekers. Co-promotores: Prof. Dr. S. Hamilton, Dr. S. Arnoldussen.

Niekus, M.J.L.Th.

Stone Age Occupation of the northern Netherlands, Time, Space, Location and Subsistence

Promotor: Prof. Dr. D.C.M. Raemaekers.

Nobles, G.R.

Spatial analysis of Late Neolithic settlements in the province of Noord-Holland (The Netherlands) and interregional comparison

Promotor: Prof. Dr. D.C.M. Raemaekers. Co-promotor: Dr. J.H.M. Peeters.

Overmeer, A.B.M.

Dutch clinker-built ships in the 15th and 16th centuries

Promotors: Prof. Dr. D.C.M. Raemaekers, Prof. Dr. H.R. Reinders, Prof. A.F.L. van Holk.

Popta, Y.T. van (NWO, 2014-2018)

From sweet to salt: dynamics of the maritime cultural landscape of the Northeastern Zuiderzee between 1100 and 1400 AD. An interdisciplinary and spatial approach

Promotores: A.F.L. van Holk, D.C.M. Raemaekers. Supervisor: M. Spek.

Postma, D. (University of Groningen/Groningen Institute of Archaeology, 2011-2015)

Lost building traditions: turf construction and early medieval architecture in the southern North Sea area

Promotor: Prof. Dr. G.J. de Langen.

Varwijk, T.W. (Province of Fryslân, Municipality of Súdwest-Fryslân, Municipality of Littenseradiel, University of Groningen/Groningen Institute of Archaeology, Vereniging voor Terpenonderzoek, 2013-2017)

Settlement development of Frisian Terp sites from the Early Iron Age to the Late Middle Ages

Promotores: Prof. Dr. G.J. de Langen, Prof. Dr. D.C.M. Raemaekers. Co-promotor: Dr. J.A.W. Nicolay.

Waldus, W.B. (Erfgoedcentrum Nieuwland, 2014-2016)

De Zuiderzee als verkeersplein, de rol van de binnenvaart bij de economische ontwikkeling van de Lage Landen (1550-1900)

Promotores: Prof. Dr. A.F.L. van Holk. Co-promotor: Prof. Dr. D.C.M. Raemaekers.

Woltinge, I.

What lies beneath? The value of buried Stone Age landscapes

Promotor: Prof. Dr. D.C.M. Raemaekers.

Classical and Mediterranean Archaeology

Klein Goldewijk, G.M.

Standard of living in the Roman Empire

Promotor: Prof. Dr. P.A.J. Attema. Co-promotores: Dr. W.M. Jongman, Dr. J.P.A.M. Jacobs.

Hansen, A.M. (NWO, 2014-2018)

The agricultural economy of Islamic Jordan, from the Arab conquest tot the Ottoman period.

Promotor: Prof. Dr. R.T.J. Cappers. Co-promotores: Dr. B.J. Walker, Dr. W.M. Jongman.

Heinrich, F.B.J. (NWO, 2012-2016)

Productive Landscapes: An interdisciplinary inquiry into the productivity of crop husbandry

Promotores: Prof. Dr. R.T.J. Cappers, Prof. Dr. P.A.J. Attema. Co-promotor: Dr. W. M. Jongman.

Ippolito, F. (University of Groningen/Groningen Institute of Archaeology, 2009-2014)

Settlement dynamics in the hinterland of the Sibaritide (Calabria, Italy)

Promotores: Prof. Dr. P.A.J. Attema, Prof. Dr. M. Pacciarelli.

Loon, T. van (NWO, 2010-2015)

Defining the ritual, analyzing society. The social significance of material culture in pre-Roman cult places of central Italy (ca. 900-400 BC)

Promotor: Prof. Dr. P.A.J. Attema.

Masci, M.F. (self-funded)

The production of Oinotrian geometric pottery in southern Italy (Calabria, Basilicata and Campania) during the Iron Age: a comparative study on technological aspects

Promotor: Prof. Dr. P.A.J. Attema. Co-promotor: Dr. A.J. Nijboer.

Neef, W. de (NWO, 2010-2015)

Rural life in Protohistoric Italy: relating sub-surface remains to archaeological survey data

Promotor: Prof. Dr. P.A.J. Attema. Co-promotor: Dr. P.M. van Leusen.

Oome, N.

Hellenistisch aardewerk en Hellenitische sites in de Sibaritide

Promotor: Prof. Dr. P.A.J. Attema.

Satijn, O.

A socio-economic and political landscape archaeology of transition: southern Lazio from the Late Roman period to incastellamento

Promotor: Prof. Dr. P.A.J. Attema.

Seubers J.F. (NWO, 2011-2015)

The Settlement of Crustumium and its hinterland (800-450 BC)

Promotor: Prof. Dr. P.A.J. Attema.

Weistra, E.

Archaic terracotta votive offerings from the Athenaion in Francavilla Marittima (Calabria, Italy)

Promotor: Prof. Dr. P.A.J. Attema.

Greek Archaeology

Dijkstra, T. (NWO, 2012-2016)

Civic and Cultural Identities in a Changing World: Analyzing the mortuary practices of the postclassical Peloponnese

Promotores: Prof. Dr. S. Voutsaki, Prof. Dr. O.M. van Nijf.

Jones, O. (University of Groningen/Groningen Institute of Archaeology, 2012-2016)

Mycenaean Burial Traditions of Achaea: An Anthropological and Bioarchaeological Approach

Promotor: Prof. Dr. S. Voutsaki.

Kalenderian, V. (Rosalind Franklin Fellowship, 2014-2018)

Osteological Analyses and an evaluation of mortuary Practices and cultural exchange

Promotor: Prof. Dr. S. Voutsaki.

Milka, E.

Mortuary differentiation and social structure in the Middle Helladic Argolid

Promotor: Prof. Dr. S. Voutsaki.

Panagiotopoulou, E. (University of Groningen/Groningen Institute of Archaeology, 2012-2016)

The transition from the Bronze Age to the Iron Age in Greece: isotopic analysis of skeletal remains from sites of Central Greece

Promoters: Prof. Dr. S. Voutsaki, Prof. Dr. H. van der Plicht. Supervisor: Dr. A. Papathanasiou.

Arctic and Antarctic Studies

Comis, S.

Het textiel van Spitsbergen

Promotor: Prof. Dr. L. Hacquebord.

Dresscher, S.J. (University of Groningen, 2014-2017)

Surviving off the land and sea: understanding the expansion of European commercial hunting systems into the High Arctic - a case-study of Pomors on Spitsbergen (18th-first half 19th century).

Promotor: Prof. Dr. P.J. Jordan

Farrell, T.F.G. (University of Groningen, 2014 (stopped))

Archaeological analysis of Arctic ceramic technology

Promotor: Prof. Dr. P.J. Jordan

Gustafsson, U.I.

The exploitation of natural resources by the early 20th century whaling industry; its impact on the environment and the geo-political situation in the Polar Regions

Promotor: Prof. Dr. L. Hacquebord. Co-promotor: Dr. D. Avango.

Haas, H.R. de

The coal exploitation of the Dutch Spitsbergen Coal Company (NESPICO) Green Harbour in its national and international context

Promotor: Prof. Dr. L. Hacquebord. Co-promotor: Dr. J.W. Veluwenkamp.

Jong, M.E. de (NWO, 2014-2018)

From historical data to a prediction of the future for geese on Arctic tundra

Promotor: Prof. Dr. P.J. Jordan. Supervisor: Dr. M.J.J.E. Loonen.

Terpstra, T.K.

Transnational ties, urban networks and identity formation among Inuit migrants in Southern Canada and Denmark

Promotor: Prof. Dr. L. Hacquebord, Prof. Dr. M. Nutell (University of Alberta Edmonton).

Steenhuisen, F. (Extern, University of Groningen)

A GIS model of Mercury emission and deposition in the World.

Promotor: Prof. Dr. L. Hacquebord.

Cornelisse M. (Extern, School voor Toerisme Breda)

Betekenis van duurzaam en experienced-based toerisme voor Ylläs, Finland.

Promotor: Prof. Dr. L. Hacquebord.

Steenbeek, S.

De Friese schippers in de Sontvaart en de Nederlandse markt voor maritime transport (1550-1800).

Promotor: Prof. Dr. L. Hacquebord. Co-promotor: Dr. J.W. Veluwenkamp.

Sandström, C.A.M. (University of Groningen, Faculty of Science, 2010-2014)

Health and immunology of Arctic breeding birds

Promotor: Prof. Dr. A.G.J. Buma, Prof. Dr. L. Hacquebord. Co-promotor: Dr. M.J.J.E. Loonen.

Overview funded PhD projects 2008-2014

Name	Financed	2008	2009	2010	2011	2012	2013	2014
Aalders, Y.I.	NWO				1-8 E			
Abbink, B.P.	NWO		26-11 D					
Bakker, M.	UCF						1-6 B	
Beckerman, S.M.	DPB		1-11 B					
Devriendt, I.I.J.A.L.M.	RUG	1-9 E					14-11 D	
Dijkstra, T.M.	NWO					1-1 B		
Dresscher, S.J.	RUG							1-4 B
Farrell, T.F.G.	RUG							1-2 B, 31-10 S
Feiken, H.	NWO			31-3 E				10-4 D
Gustafsson, U.I.	NWO				1-8 E			
Haas, H.R. de	NWO				16-9 E			
Haas, T.C.A. de	RUG			28-2 E	1-12 D			
Hansen, A.M.	NWO							1-10 B
Hao Qi	CS		1-9 B		1-6 S			
Heinrich, F.B.J.	NWO					1-10 B		
Ippolito, F.	RUG				1-1 B			
Jones, O.A.	RUG					1-9 B		
Jong, M.E. de	NWO							1-7 B
Kalenderian, V.	RF							16-1 B
Klein Goldewijk, G.M.	NWOt				28-9 E			
Kruining, M.E. van	DPB		01-12 B			1-7 S		
Kruse, F.	UE	1-6 B				1-6 E	19-12 D	
Loon, T. van	NWOt			1-9 B				
Matthews, S.G.	UE				1-9 E			
Milka, E.	NWO							
Neef, W. de	NWO			01-10B				
Nieuwhof, A.	RUG		31-3 E					
Nobles, G.R.	NWO		1-11 B					
Panagiotopoulou, E.	RUG					16-1 B		
Popta, Y.T. van	NWO							1-10 B
Postma-Saan, F.B.	NLE				1-4 B		1-7 S	
Postma, D.	RUG				1-9 B			
Ratliff, M.L.	UE			31-12 S				
Roura, R.M.	UE		28-2 E		28-4 D			
Schepers, M.	DPB		1-9 B				1-9 E	15-5 D
Seubers, J.F.	NWO				1-2 B			
Smit, B.I.	NWO			20-5 D				
Terpstra, T.K.	RUG		1-1 B				1-8 E	
Thilderqvist, J.G.M.	UE		31-8 E				23-5 D	
Varwijk, T.W.	PFR						1-5 S	

Waldus, W.B.	NLE							1-1 B
Wiersma, C.W.	RUG			1-11 B		1-11 E	17-10 D	
Willemsen, S.L.	DPB	1-9 B					1-9 E	17-4 D
Woltinge, I.	NWO				1-1 E			

RUG = Employed PhD student

DPB = Dutch PhD Bursary

UE = Ubbo Emmius bursary

NWO = Dutch Research Council

B = Begin contract

E = End contract

S = Stopped

D = Defence

CS = Chinese Scholarship

NLE = Nieuw Land Erfgoed

UCF = University Campus Fryslân

PFR = Provincie Friesland

RF = Rosalind Franklin PhD

Publicity

Algemeen Dagblad over vastgelopen expeditiechip

3-Jan-2014

Maarten Loonen

Na anderhalve week van vastgelopen expeditiechip geplukt

Algemeen Dagblad, 3-Jan-2014

<http://www.maartenloonen.nl/pers/p20140103.htm>

Press clipping: Expert Comment

An embrace lasting for centuries

22-Jan-2014

Sofia Voutsaki

Unifocus film on burial of couple in tight embrace found in prehistoric cemetery in Ayios Vasilios.

Zodenhuis herbouwd met geld provincie

29-Jan-2014

Daniël Postma

Algemeen Dagblad

Radio interview

1-Feb-2014

Daniël Postma

Radio Eenhoorn (regarding the plans to rebuild the turf house reconstruction in Firdgum)

Vroegmiddeleeuws zodenhuis in Firdgum wordt hersteld

6-Feb-2014

Daniël Postma

University of Groningen press release

Wroeten in de Waddenzee

8-Feb-2014

André van Holk

Dagblad van het Noorden. Article on project inventory 'Buitendijks Erfgoed in de oostelijke Waddenzee'.

Reportage boomstamboot. Robot geeft zicht op middeleeuwen.

17-Feb-2014

André van Holk

Dagblad van het Noorden

Interview over the phone after lecture on Wijnaldum

28-Feb-2014

Annet Nieuwhof

Omrop Fryslân

Sofia Voutsaki. The persistent archaeologist.

15-Mar-2014

Sofia Voutsaki

Interview at Greek newspaper TA NEA.

Prossima fermata Forum Appii

15-Apr-2014

Tymon de Haas

Article on research published in *Il Chinino*

Gans is een taaie tegenstander

30-May-2014

Maarten Loonen

Article on problematic goose population in *Het Parool*.

<http://www.maartenloonen.nl/pers/p20140530.htm>

Archeologen graven naar resten veenterp

31-May-2014

Marco Bakker

Short article in *Leeuwarder Courant* announcing the terp-excavation in June.

Bysûndere earmbân fûn yn Snits

17-Jun-2014

Marco Bakker

Article about the find of a bronze bracelet during the excavation of Sneek-Harinxmaland on Omrop Fryslân.

<http://www.omropfryslan.nl/nijs/opgravings-snits>

Zeldzame armband in oud veenterpje

17-Jun-2014

Marco Bakker

Internet article about the find of a bronze bracelet during the excavation of Sneek-Harinxmaland in *Leeuwarder Courant*.

<http://www.lc.nl/friesland/zeldzame-armband-in-oud-veenterpje-17256683.html>

Armband uit 100 v. Chr.

18-Jun-2014

Marco Bakker

Newspaper article about the find of a bronze bracelet during the excavation of Sneek-Harinxmaland in *De Telegraaf*.

Zeldzame armband in oud veenterpje

18-Jun-2014

Marco Bakker

Newspaper article about the find of a bronze bracelet during the excavation of Sneek-Harinxmaland in *Leeuwarder Courant*.

Opgraving voordat het te laat is

18-Jun-2014

André van Holk

Flevopost. Aankondiging opgraving scheepswrak OR 49.

Opgraven schip spannend avontuur

18-Jun-2014

André van Holk

Aankondiging opgraving scheepswrak kavel OR 49

De goudkust langs de Noordzee, Dagblad van het Noorden

21-Jun-2014

Johan Nicolay

Goudkust langs de Noordzee, Leeuwarder Courant

21-Jun-2014

Johan Nicolay

Radio interview by Henk Binnendijk

23-Jun-2014

Annet Nieuwhof

RTV Noord

Interview door Mannus van der Laan, "Van Giffen voor het eerst compleet"

25-Jun-2014

Annet Nieuwhof

Dagblad van het Noorden

Bionieuws: Biologen zijn gek van vogels

5-Jul-2014

Maarten Loonen

<http://www.maartenloonen.nl/pers/p20140705.htm>

Terpzoelopgraving te Wommels

7-Jul-2014

Theun Varwijk

Op 'e Skille

Archeologisch onderzoek bij Stapert in Wommels

9-Jul-2014

Theun Varwijk

Bolswards Nieuwsblad

Sloop van het zodenhuis in Firdgum

17-Jul-2014

Daniël Postma

Leeuwarder Courant

Nieuw zodenhuis in Firdgum steunt veilig op houten palen

17-Jul-2014

Daniël Postma

Leeuwarder Courant

Onderzoek naar oudste terpentijd

21-Jul-2014

Theun Varwijk

Leeuwarder Courant

Zodenhuis wordt herbouwd in plaats van hersteld

24-Jul-2014

Daniël Postma

Friesch Dagblad

Herbouw vroegmiddeleeuws zodenhuis van start

25-Jul-2014

Daniël Postma

University of Groningen press release

News item on regional radio and television

27-Jul-2014

Daniël Postma

Omrop Fryslân (regarding the rebuild of the turf house in Firdgum)

Ûndersyk nei terp Stapert begûn

5-Aug-2014

Theun Varwijk

Bolswards Nieuwsblad

Weer opgravingen in Wommels

5-Aug-2014

Theun Varwijk

Omrop Fryslân (tv)

Nieuwe vrijwilligers gezocht!

5-Aug-2014

Daniël Postma

Stienser Omroeper

Archeologie Wommels

6-Aug-2014

Theun Varwijk

Franeker Courant

Wrak geeft vele geheimen moeizaam prijs

6-Aug-2014

André van Holk

Stentor. Report excavation shipwreck OR 49.

Start herbouw zodenhuis Firdgum

6-Aug-2014

Daniël Postma

Franeker Courant

Herbouw vroegmiddeleeuws zodenhuis Firdgum gestart

6-Aug-2014

Daniël Postma

Bildtse Post

Marmoren kan har skylden

8-Aug-2014

Frigga Kruse

Description of archaeological fieldwork on Spitsbergen appearing in the local paper, Svalbardposten

Shipwreck excavation OR 49 Dronten

9-Aug-2014

Yftinus van Popta

Interview of prof. dr. A.F.L. van Holk and drs. Y.T. van Popta concerning the excavation of a shipwreck near Dronten (province of Flevoland).

TROS Nieuwsshow Radio 1

Vraag en antwoord André van Holk

18-Aug-2014

André van Holk

Dagblad van het Noorden. Verslag scheepsopgraving OR 49.

Succesvolle expeditie medogenloos eiland Jan Mayen

20-Aug-2014

Maarten Loonen

<http://www.nu.nl/wetenschap/3856641/succesvolle-expeditie-meedogenloos-eiland-jan-mayen-.html>

Polder groot openluchtmuseum onder de grond

20-Aug-2014

André van Holk

Flevopost. Report excavation shipwreck OR 49.

Wroeten in de zool van terp Stapert

22-Aug-2014

Theun Varwijk

lc.nl

Archeologie in de zool van een Oerterp

23-Aug-2014

Theun Varwijk

Leeuwarder Courant

Monnikenwerk

23-Aug-2014

André van Holk

Telegraaf. Verslag scheepsopgraving OR 49.

Bijzondere vondsten bij opgraving terpzool Stapert

26-Aug-2014

Theun Varwijk

Op 'e Skille

Opgavingen trekken veel bekijks. Massaal toegestroomd publiek wil alles weten over scheepswrak in een weiland bij Dronten.

26-Aug-2014

André van Holk

Stentor. Report excavation shipwreck OR 49.

Bijna duizend bezoekers opgraving Dronten

26-Aug-2014

André van Holk

Website Province of Flevoland. Report Open Day excavation shipwreck OR49.

Herbouwd zodenhuis krijgt minder zwaar dak met stro

26-Aug-2014

Daniël Postma

Leeuwarder Courant

Opgraving wekt nieuwsgierigheid

27-Aug-2014

André van Holk

Flevopost, ed. Dronten. Verslag scheepsopgraving OR 49.

Verslag hoorzitting Noord Holland Ganzenproblematiek

11-Sep-2014

Maarten Loonen

Impressie hoorzitting ganzenproblematiek

Haarlem

Brochure, 11-Sep-2014

<http://www.noord-holland.nl/web/Actueel/Nieuws/Artikel/Impressie-van-de-Hoorzitting-Ganzen.htm>

Ingestort zodenhuis krijgt nieuwe dakconstructie

18-Sep-2014

Daniël Postma

Cobouw

Gefaseerde opgraving in Dronten

1-Oct-2014

André van Holk

Article in *Monumentaal* on the excavation of the shipwreck near Dronten by the IFMAF.

Grootste droge kerkhof van scheepswrakken ter wereld

4-Oct-2014

André van Holk

The article (in the Stentor) is about education and research in maritime archaeology at the University of Groningen and the excavation of shipwrecks in the province of Flevoland.

Een omhelzing die al 3.500 jaar lang duurt

15-Oct-2014

Sofia Voutsaki

Article in NRC on burial of couple in tight embrace.

De Dynamiek van het Friese klei- en veenlandschap

3-Nov-2014

Marco Bakker

Short article about Bakker's research in *Verbindt* (University Campus Fryslân (UCF)).

http://ucf.nl/website2013/user_content/documents/UCF_tabloid_2014_nr3_herfst_los_Def.pdf

Op zoek naar het verhaal van Firdgum. Een grootschalig project om zowel bewoners als toeristen meer bij terp- en wierdedorpen te betrekken start vanavond in Firdgum

4-Nov-2014

Gilles de Langen

Dagblad van het Noorden

Het warme noorden

16-Nov-2014

Maarten Loonen

VPRO gids, 16-Nov-2014

<http://www.maartenloonen.nl/pers/p20141116.htm>

Renovatie middeleeuws zodenhuis beleeft mijlpaal

16-Nov-2014

Daniël Postma

Franeker Courant

News item on regional television

18-Nov-2014

Daniël Postma

Omrop Fryslân (regarding placing the roof trusses on the turf house reconstruction in Firdgum)

Zodenhuis stapje dichterbij voltooiing

19-Nov-2014

Daniël Postma

Friesch Dagblad

Herbouw zodenhuis Firdgum ligt op schema

19-Nov-2014

Daniël Postma

Bildtse Post

Zodenhuis 2.0 schiet de hoogte in

20-Nov-2014

Daniël Postma

Leeuwarder Courant

Kinderen krijgen college over hunebedden

24-Nov-2014

Daan Raemaekers

Website of local television (Oog tv) on lectures for Kinderuniversiteit.

Eerste dakspant op zodenhuis Firdgum

26-Nov-2014

Daniël Postma

Harlinger Courant

Kinderen leren alles over hunebedden

27-Nov-2014

Daan Raemaekers

In local Groningen newspaper 'Gezinsbode' on lecture for Kinderuniversiteit.

Ronde kapvorm voltooid bij herbouw zodenhuis

2-Dec-2014

Daniël Postma

Van Wad tot Stad

'Frisia bestond uit verschillende rijkjes', Leeuwarder Courant

3-Dec-2014

Johan Nicolay

TV and radio Omrop Fryslan, about "The splendour of power"

3-Dec-2014

Johan Nicolay

Magna Frisia, koninkrijk der fabelen, Leeuwarder Courant

6-Dec-2014

Johan Nicolay

Prachtboek zet Friese koninkrijken internationaal op de kaart, Friesch Dagblad

8-Dec-2014

Johan Nicolay

Magna Frisia, een fabel ontzenuwd, Dagblad van het Noorden

15-Dec-2014

Johan Nicolay

Research results

Prehistoric and Protohistoric Archaeology of North-west Europe

The development of cultural landscapes

Celtic field research (S. Arnoldussen)

This year the long-term research project into the Dutch Celtic fields reached several milestones. Final excavation reports for two sites were published (Herkenbosch and Wekerom) and two more sites were subjected to fieldwork. The site of Westeinde - Noormansveld was investigated as part of the first year archaeology students' field school. The site of Someren - De Hoenderboom had already been subjected to coring and test-trenching in 2013, but was now excavated with detailed attention to sampling.

Coring for terps (M. Bakker)

Several surveys were carried out in the clay-on-peat area of Fryslân to find an Iron age or Roman Age dwelling mound (terp) to excavate in the summer. With the help of local amateurs, the AHN (LIDAR) and aerial photographs, several mounds were located between Dokkum, Burdaard and Aldtsjerk. These included new ones, not earlier known. The most likely candidates were visited for a coring survey. The located dwelling mounds between Burdaard and Aldtsjerk did not turn out to be suitable. Some were largely eroded, whereas others seem to have only contained medieval occupation as traces of occupation in the Iron Age or Roman Age could not be detected with certainty. Eventually a suitable terp was found in another region of Fryslân; located north of Sneek, in the region of Harinxmaland.

Terp research Sneek-Harinxmaland (M. Bakker)

During June and the first week of July, the GIA excavated a small dwelling mound in the Harinxmaland region, north of Sneek. Several excavation trenches were dug across the mound and in the land surrounding the terp. The trenches across the mound provided information about the earliest occupation and the current conservation of the terp site. The trenches in the land surrounding the terp provided data about the land use by the first inhabitants. Preliminary results indicate that habitation occurred on this site from the Late Iron Age until the Roman Age. Besides finds of pottery and other artefacts, including a large bronze arm ring, a large complex of ash layers was uncovered and sampled for further research.

Terp Zooarchaeology (C. Çakırlar)

The GIA zooarchaeology unit is actively involved in the study of animal husbandry and exploitation of wild resources in the terp region. The preliminary study of the faunal material from Dronrijp South and North is completed with the participation of BA and MA students. These two locations produced interesting results including further evidence for ritual burying of horses, the use of whale bones as tools, and the lack or scarcity of pig/boar at terp sites. We are currently investigating recently excavated (by GIA terp archaeologists) deposits at other sites in Frisia.

The Onlanden research project (J.A.W. Nicolay)

In 2011, at about 70 supposed medieval farmsteads in the peat and clay-on-peat area north of Roderwolde, called 'De Onlanden', a small test trench was dug to establish their internal structure, dating and conservation. At ten of these sites larger trenches were dug in order to understand their stratigraphy in more detail. This year's

research focussed on producing a catalogue of all sites, and on studying the typology and chronology of the different types of farmsteads and the development of the landscape before and during habitation. The present data indicate two phases of habitation, one on floors of moraine sods in a peat landscape (11th century), and a second on floors of clay or higher, man-made dwelling mounds in a clay-on-peat landscape (12th-14th centuries). Few sites continued to be inhabited until the area became too wet and was finally abandoned in the 19th century.

The habitation history of Ezinge (A. Nieuwhof)

On October 1st, a new research project started, aimed at examining the habitation history of the terp settlement of Ezinge in the province of Groningen. Ezinge was excavated by A.E. van Giffen during the 1920s and 1930s, and is well-known for its many well-preserved house remains. The results of these excavations were only published summarily at the time. This new project is a continuation of two earlier studies. The first of these is an NWO-Odysee-project, aimed at the finds from the excavations; the results of this project were published this year. The second is a PhD-research project on the remains of rituals in the terp region, in which Ezinge serves as a case-study. This new project intends to describe the habitation history of Ezinge from the start in the 5th century BC.

Lost building traditions (D. Postma)

Building on last year's work on the early medieval turf houses alone, focus now also lay on more accurately defining the applied research methodology. This method was termed 'functional typology', as it aims to outline and explain the functioning of building tradition in its widest sense (e.g. technical, cognitive and within its greater contexts). Furthermore, a reconstruction model was developed to establish the roof design of turf buildings, mostly through studying closely related timber buildings from ca. 400-1400 AD. This resulted in a new 3D development model for early medieval farm buildings from the northern Netherlands, contrasting sharply with existing interpretations. The process has highlighted priorities for the final stages of the PhD and helps to identify important topics for subsequent research.

Turf House Project (D. Postma)

In mid-July a start was made restoring the partially collapsed turf house reconstruction from 2012-2013. Leading up to this, the design of the turf walls had been improved on the basis of insights already gained from this experiment. A cooperation was set up with the NHL University of Applied Sciences in Leeuwarden to improve the technical reliability of the design. Technical considerations led to the decision to fully rebuild the structure, rather than reusing the remaining byre. The need to lighten the weight of the roof (for safety reasons) provided an opportunity to redesign the timber trusses according to new insights from the PhD research which this experiment is part of (see 'Lost building traditions'). The turf walls and timber roof structure were finished mid-December and await thatching next year.

Note: The project was closely supervised and coordinated by Prof. Dr. G.J. de Langen. Work in the field was conducted under the supervision of T. Sibma (MA Student) and subsequently by J. van Gent and R. Rollingswier (external). Funding for the project was provided mainly by the Province of Fryslân, with staff costs supplemented by the University of Groningen. See the Fieldwork section of this year's report for more information.

Botany Saksenoord (M. Schepers)

For the PhD-project by Theun Varwijk, Mans Schepers studied several samples from the excavation at the terp site of Saksenoord. The most remarkable result was the striking difference between two samples in particular, one of which was definitely saline, as testified by substantial numbers of foraminiferae and Ostracodae, whereas the other sample was purely fresh, as testified by large numbers of bryozoan statoblasts.

Terpen- en Wierdenland: een verhaal in ontwikkeling (M. Schepers)

This new project started in October 2014. The project is a cooperation between the GIA, Landschapsbeheer Groningen, Landschapsbeheer Friesland, Museum Wierdenland and the Kenniscentrum Landschap. The project strives to use new archaeological and historical research to improve liveability in villages near the Wadden Sea. First results from Firdgum show that there was no permanent habitation north of the present village.

Terp research Wommels-Stapert (T.W. Varwijk)

During the course of seven weeks in the late summer of 2014 the remainder of the former terp Wommels-Stapert (the so-called 'terpzool') was researched as part of the 'Terpenproject Terpzolenonderzoek Fryslân 2012-2016', which is in turn related to a PhD-project researching the spatial development of settlements in the Frisian terp region. Habitation started in the Early Iron Age and continued until the first century AD. From this point onwards the terp was not inhabited, but presumably used for agriculture. It was not until the 9th or 10th century that farm was established again on this part of the terp.

Stone Age society: pattern and process

The North Holland Single Grave Culture project (S.M. Beckerman)

In the province of Noord-Holland a group of settlement sites have been found of which the majority is related to the of Single Grave, or Corded Ware, Culture (SGC) (c. 2900–2500 cal BC). This culture is found in large parts of Europe, stretching from Russia to the Netherlands and from south Scandinavia to Switzerland. Settlements have only sparsely been found and most research has always been devoted to the graves, both in the Netherlands and internationally. This research projects therefore focusses on the well-preserved remains of the settlement sites found in the province of Noord-Holland and aims to enhance our understanding of the inhabitants of this tidal area and their daily life and culture.

The PhD project by Beckerman focusses on the analysis of ceramics as a means to gain a better understanding of the chronology, technology, subsistence, economy, social organisation, religion and ideology of the inhabitants of this region and the Single Grave, or Corded Ware, Culture. In 2014 a third and last monograph was published; this book presents the results of the analysis at the settlement of Zeewijk, containing the results of the ceramic analysis and a reconstruction of the community dwelling at the site partly based on the ceramic analysis. Furthermore Beckerman submitted her Ph.D. thesis in 2014. The manuscripts was approved of by Prof. Dr. D.C.M. Raemaekers and Dr. S. Arnoldussen and was sent off to the reading committee for assessment.

Domestic Animals in Brandwijk (C. Çakırlar, D.C.M. Raemaekers, R. Breider)

Brandwijk has been cited as an early site for the occurrence of domestic sheep/goat in the Netherlands. This perception is based on a zooarchaeological study of the site in the late 1980s and has ramifications for the understanding of the Neolithization

process in the low countries. In 2014 we started the re-analysis of the faunal remains from the site at GIA. We found out that specimens identified as sheep or goat from the earliest layers of the site represent pig/boar. We are currently conducting an osteometric study of the pig/boar remains from the site. Preliminary results indicate that the presence of domestic pig at Brandwijk is questionable. Work will continue in 2015.

Hunter-gatherers in the eastern Netherlands (J.H.M. Peeters, P. Hoebe)

The discovery of artefacts belonging to the Late Palaeolithic Hamburgian culture at Epse-Olthof (Deventer) during excavations conducted by the municipality of Deventer and Saxion Hogeschool (see Annual Report 2012 and 2013) urged the re-assessment of lithics excavated in earlier years. This resulted in the identification of further Hamburgian artefacts. It appears that a scatter of Hamburgian lithics is present over the entire sand ridge. Based on the limited quantities and typological/technological characteristics it is likely that this landscape zone was occasionally visited by Hamburgian hunters for short stays, during which (fresh) hides were worked and hunting gear was repaired.

Uncertainty and computational modelling of hunter-gatherer landscape use (J.H.M. Peeters, J.W. Romeijn, (University of Groningen, Department of Philosophy))

Computational modelling of human landscape use has become a rather common research approach, especially where it concerns prehistoric hunter-gatherers. This is largely due to the availability of powerful GIS tools and desktop computers. However, an important aspect that is hardly ever dealt with concerns the uncertainty in modelled systems. Uncertainty is introduced at each level in any model, but often difficult to assess. Statistical approaches to (mostly) posterior model validation and calibration (e.g. sensitivity analysis) on the basis of archaeological data seem to be of limited use due to severe biases in this very record. This project aims at the development of a theoretical and practical framework for exploratory computational modelling in archaeology that deals with the problem of uncertainty at the front end of model building. This will aid in the exploratory (in contrast to predictive) application of 'formal models' to enlarge our understanding of the use of dynamic landscapes by prehistoric hunter-gatherers.

The Swifterbant project (D.C.M. Raemaekers, M. Schepers, R.T.J. Cappers, J. Geuverink, I. Woltinge, J. van der Laan, A. Maurer, E.E. Scheele, T. Sibma, D.J. Huisman)

The research on the prehistoric sites near Swifterbant resulted in four publications. Schepers (2014) analysed all available archaeo-environmental data to determine the vegetation characteristics of the Swifterbant region and its exploitation potential. He concluded that the landscape had a riverine character and was therefore more-suited for crop cultivation than previously thought. Huisman and Raemaekers (2014) analysed the thin-section from the levee sites Swifterbant-S2 and Swifterbant-S4 and conclude that evidence for crop cultivation is abundant. Huisman et al. (2014) analysed a small section of the culture layer from Swifterbant-S4 using a micro CT scan. This analysis provides evidence of the smallest of fish remains, too small and fragile to study otherwise.

The publication by Raemaekers et al. (2014) presented the results of the excavation at Swifterbant-S25, carried out in 2008-2010. They conclude that this river dune site had a special place within the regional occupation history. While all other known sites are primarily settlement sites, S25 seems to have been primarily a burial ground. Much of the cultural debris found may have been related to burial ritual.

***The Dutch Hunebedden* (D.C.M. Raemaekers, A.L. Brindley, L. Smits (University of Amsterdam), N. Mink, R. Rap (student), N. de Vries (student))**

Finds and documentation of most of the excavations of the Dutch megalithic tombs (hunebedden) are kept in our archives and prove to be a treasure chest for new research. In 2014 research focused on various find categories from the hunebedden and their excavation histories.

De Vries and Smits analysed the human cremated bones from the tombs, some 7 kg in total. Their analysis aims to determine the minimum number of individuals per tomb. Subsequent 14C dating of these individuals gives - for the first time - an overview of gender and age patterns in relation to the date of the cremations. This work in progress has now made clear that cremations occurred from Drouwen TRB onwards and continued into the Late Neolithic. Cremated individuals include men, women and children. This work is to be combined with an inventory by Rap of all post-TRB ceramic finds from the tombs. She concludes that most evidence relates to the Late Neolithic.

A project of longer duration is that of a complete and standardised overview of all excavations carried out at the Dutch hunebedden. To this end, all original field documentation has been scanned and is digitised by Mink to produce a standard publication format. While this project is far from complete, it is clear that it provides new insights into restoration histories, historical developments in excavation strategies and tomb typology. An example of a re-interpretation of tomb D12-Eexterres has been published (Raemaekers & Jansen 2013).

Maritime archaeology

***The maritime archaeology of shipping on the Almere and Zuiderzee* (A.F.L. van Holk)**

The aim of this research programme is to find out in which way the Almere and Zuiderzee functioned as a highway for transport and how this development is related to the local and world-wide economic developments especially in the Golden Age. Until now seven shipwrecks have been excavated dating from the 14th until the 18th century. Shipping seems to be mostly local in character. As to be expected, it focussed on the Hanze in the 14th century (Kampen; two cog-like vessels) and in the 16th century a switch to the upcoming centre of Amsterdam and the first possibly international orientation, in this case to the Baltic.

***Voedsel of verpakkingsmateriaal? Botanische resten in scheepswrak OL 79 (Flevoland)* (Y.T. van Popta, S. Filatova)**

This research focuses on the botanical remains of shipwreck OL 79, a freighter that sank on the Zuiderzee in 1796. The goal of the study is to prove that a study on plant remains from a shipwreck site can help understand and reconstruct life on board of a ship (consumption, cargo), learn more on the construction of ships (chaulking) and to understand wreck formation processes. Based on the results, a more systematic approach of botanical sampling should be adopted in order to provide a better dataset for future comparative studies.

Archaeological heritage management

***Project - Culture-historical information Dutch floodplains* (Y.T. van Popta, S. Arnoldussen)**

This year, a follow-up project to the predictive archaeological map of the Dutch embanked floodplain commenced. In this project, all available culture-historical

information for the Dutch embanked floodplain will be digitized to be used in heritage management.

Archaeology and Society (H.A. Groenendijk)

Public involvement in regional archaeology is a main concern in present day Dutch society. This means sustaining a dialogue between archaeologists, land-owners and amateur-archaeologists. Using participatory projects as a vehicle, this should lead to a joint responsibility. At the same time the development of expertise among the local community should be taken more serious. A Groningen model is developed to ensure the continuity of public engagement. Participation projects carried out or continued in 2014 are: The History of the Noordlaarderbos, The Gartshuizen church, Land der Entdeckungen/Land van ontdekkingen.

New archaeological predictive map (UIKAV) for the embanked floodplains of the Dutch river area (K. Cohen (UU), S. Arnoldussen, G. Erkens (Deltares), Y. van Popta, L. Taal (UU))

This year the innovative new predictive archaeological map for the embanked floodplains of the Dutch river areas was completed. Together with researchers from Utrecht University and Deltares, a new methodology for predictive mapping in Holocene dynamic environments was created. The project 'Predictive Archaeological Map Dutch floodbasin areas (Archeologische verwachtingskaart uiterwaarden rivierengebied)' was initiated as a joint project by the National Cultural Heritage Agency (RCE), and Rijkswaterstaat.

The final product is a series of archaeological predictive maps for various time-depths. This involved a multi-staged approach of (i) compiling palaeo-morphogenetical base maps to underlie archaeological predictive models, (ii) specifying and applying archaeological predictive models for floodbasin usage in various periods of time along the Dutch rivers, and (iii) designing and executing a GIS-database environment capable of delivering the output required whilst maintaining transparency towards the sources used.

This methodology ensures the potential of the map to undergo updates and refinements, as well as to critically examine its underlying premises. Both in terms of its physical-geographical models (ages of palaeo-landscapes, palaeo-genesis and dynamics of river systems) as well as its archaeological methodology (long-term change of landscape use patterns, pragmatism in determining archaeological predictions), it offers a transparent product.

The project has resulted in various important maps accessible through the main publication (Cohen et al. 2014) report or through national websites

(<http://archeologiein nederland.nl/bronnen-en-kaarten/verwachtingskaart-uiterwaarden-rivierengebied>).

Zooarchaeology

Data Sharing Project about the Westward Spread of Domestic Animals across Neolithic Turkey (C. Çakırlar, H. Buitenhuis, A. Arbuckle (University of North Carolina at Chapel Hill, USA), S. Witcher Kansa (Alexandria Archive Institute, USA), K. Kansa (D-Lab, University of California, USA), D. Orton (UCL, London), L. Martin (UCL,

London), L. Gourichon (Université Nice Sophia-Antipolis, France), L. Atici (University of Nevada Las Vegas, USA), A. Galik (University of Veterinary Medicine, Austria))

This was a major data integration project bringing together primary archaeozoological data for over 200,000 faunal specimens excavated from seventeen sites in Turkey spanning the Epipaleolithic through Chalcolithic periods, c. 18,000-4,000 cal BC, in order to document the initial westward spread of domestic livestock across Neolithic central and western Turkey. From these shared datasets the project demonstrated that the westward expansion of Neolithic subsistence technologies combined multiple routes and pulses but did not involve a set 'package' comprising all four livestock species including sheep, goat, cattle and pig. Instead, Neolithic animal economies in the study regions are shown to be more diverse than deduced previously using quantitatively more limited datasets. Moreover, during the transition to agro-pastoral economies interactions between domestic stock and local wild fauna continued. We published the datasets with Open Context (opencontext.org). The results emphasize the benefits of data sharing and web-based dissemination of large primary data sets for exploring major questions in archaeology.

Ancient Fisheries Project (C. Çakırlar, N. Demirel (Istanbul University), P.I. Verplanke, F. Slim)

AFP is a project about ancient fisheries in the eastern Mediterranean. The project tests the hypothesis that human exploitation of Mediterranean fisheries began to have an impact on fisheries ecology of the region early in the Holocene, not with the recent modernization of fishing techniques as is commonly assumed. It also tests the hypothesis that the eastern Mediterranean was never an important resource base for the human communities who lived around it, because it is unproductive by nature. Currently, this project explores these questions primarily through a case study (Kinet Höyük) that reveals information about four millennia of Mid to Late Holocene (ca. 3000 BC to 1400 AD) fishing and fisheries in the Eastern Mediterranean, based on archaeological fish bone samples. This year, Verplanke finished a MA thesis in which she reconstructed the individual body size of groupers from this site, as a proxy for the scale and methods of exploitation. Results indicate that no major changes took place throughout millennia in grouper exploitation; mostly large fishes were targeted, but sexually immature fish were not excluded entirely. Landings of sexually immature fish has no visible impact on fisheries. Slim is currently working on refining the chronology of the dataset this preliminary interpretation is based on.

Note: The project is partly funded by the Marine Conservation Institute's Mia Tegner Award in historical marine ecology. We hope to expand our project in the future towards wider chronological and geographic applications. As part of the project's efforts we have added 11 fish specimens to the GIA osteoarchaeological reference collection.

The project's public outreach page is

<https://www.facebook.com/ancientfisheries/timeline>.

Tracing sheep and goat mobility through oxygen isotopic analysis in the Mediterranean (C. Çakırlar, M. van Leusen, M. Post (independent scholar), S. Pilaar Birch (University of Georgia), M. Buckley (Manchester University))

This project tests the applications of high-resolution oxygen isotopic analysis of sheep goat tooth enamel in understanding mobility and climate change in pre- and protohistoric Mediterranean. This year, Post finished a MA thesis in which she tested different models of transhumance in southern Italy by examining the oxygen isotopic compositions of sheep and goat enamel from Bronze and Iron Age Francavilla

Marittima. Despite discrepancies in the results due to procedural (mass spec only) complexities, high variation in the oxygen isotopic compositions among different individuals and along incremental growth implied high level of mobility in some individuals. At least two (most likely three) of the molars analysed belonged to animals moved up and down the landscape and were thus transhumant animals. The second part of this project involves the investigation of sheep and goat tooth enamel from Neolithic (7000-5600 BC) Ulucak in western Anatolia in order to gain an understanding of the evolution of herding with changing climatic conditions. In order to evaluate seasonal mobility of herds and derive proxy data for climate reconstruction during the Neolithic and Chalcolithic at the site of Ulucak, Turkey, stable isotope analysis was used to complement the zooarchaeological research. We selected twenty-one teeth (2nd and 3rd molars) representing 13 individuals from levels IV, V, and VI for stable isotope analysis of $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$. It has been shown that 3-4 intra-tooth samples will capture the maximum extent of isotopic variability within a tooth with 95% confidence. At least ten sub-samples were drilled from each tooth and analysed on an IRMS in the Department of Geology at Brown University (USA) to ascertain a seasonal pattern, and at least five samples per tooth provided a successful result, allowing for interpretation of both seasonal mobility and an averaged climate signal for each period at the site. Because of the difficulties of distinguishing sheep and goat macroscopically, even with recently refined methods, we are currently trying a recent application of protein fingerprinting using mass spectrometry on zooarchaeological material that allows distinguishing genera. This part of the work is carried out in collaboration with Manchester University.

From broad-spectrum hunting to sheep management at Aşıklı Höyük, Turkey (H. Buitenhuis, M. Stiner (University of Arizona))

Aşıklı Höyük is the earliest known preceramic Neolithic mound site in Central Anatolia. The oldest Levels, 4 and 5, spanning 8,200 to approximately 9,000 cal B.C., associate with round-house architecture and arguably represent the birth of the Pre-Pottery Neolithic in the region. Results from upper Level 4, reported here, indicate a broad meat diet that consisted of diverse wild ungulate and small animal species. The meat diet shifted gradually over just a few centuries to an exceptional emphasis on caprines (mainly sheep). Age-sex distributions of the caprines in upper Level 4 indicate selective manipulation by humans by or before 8,200 cal B.C. Primary dung accumulations between the structures demonstrate that ruminants were held captive inside the settlement at this time. Taken together, the zooarchaeological and geoarchaeological evidence demonstrate an emergent process of caprine management that was highly experimental in nature and oriented to quick returns. Stabling was one of the early mechanisms of caprine population isolation, a precondition to domestication.

Provisioning an urban center on the Syro-Anatolian border during the Bronze Age (C. Çakırlar)

The effects of foreign military interventions on production and distribution systems in occupied lands are commonly assessed through the study of textual sources and pottery typologies in the Bronze Age archaeology and historiography. In this study, we explored the zooarchaeological record of the recently uncovered Late Bronze IIA deposits at Alalakh (Tell Atchana) in the Amuq Valley to test whether the Hittite intrusion into Syria had any effect on the economic organization of local polities. The quantitative analysis of taxonomic compositions, mortality profiles and body part distributions suggested that while slight modifications occurred in the distribution of

provisions, the inhabitants of Alalakh did not go through drastic changes under Hittite rule.

***Origins of Dutch Livestock* (C. Çakırlar, D.C.M. Raemaekers, Y. van den Hurk, D. Bradley (Trinity College, Dublin))**

This research combines cutting-edge genetics and palaeoanthropology to learn about the origins and relationships of livestock. Mesolithic to Medieval cattle remains from various sites in the Netherlands are analysed. So far, we have been able to 'read' excellent aDNA signatures from terp deposits, mostly of Roman Age. Relatively younger age of these specimens and "excellent preservation conditions" at terp sites are proving most useful to reconstruct long DNA sequences.

***Zooarchaeology of Neolithic Yenikapi* (C. Çakırlar, Z. Kiziltan (Istanbul Archaeological Museums), G. Larson (Oxford University))**

The zooarchaeological study of the submerged Neolithic site of Yenikapi on the historic peninsula of Yenikapi continued this year focusing on molecular-level analysis. Three articulated (partial) skeletons from the site were radio-carbon dated at the Center for Isotope Research of the RUG. These provided the first reliable radiocarbon dates for this important locus of early Neolithisation of Europe. The dates span between the second half of the seventh millennium BC and the first half of the sixth millennium BC. Nitrogen and carbon stable isotopic compositions of the radiocarbon samples from these skeletons indicate that we should expect no significant marine or freshwater reservoir effect on these dates. The first aDNA analysis of pig/boar remains from the site indicates that the pig/boar at Yenikapi belonged to the local western Anatolian lineage, which is a separate lineage from the Near Eastern suids, but ancestral to European domestic pigs.

***Neolithic Human-Suid Interactions at the Gates of Europe* (C. Çakırlar)**

This project is embedded in the context of archaeological research into the origins and dispersal of farming. The project breaks new ground in these debates by investigating a previously unidentified process of pig domestication through the study of archaeological animal remains (zooarchaeology) from western Turkey and Bulgaria, a region which lays outside of the commonly accepted ancestral homeland of European farm animals. Until recently, this region has been considered as a mere bridge transmitting animal husbandry technologies from the Fertile Crescent to Europe, reflecting a theoretical framework set out by Gordon Childe in his enormously influential *Dawn of European Civilization* (1925), which traces all aspects of European farming to the Near East. Alternative views did not find support because archaeological evidence from the region's prehistory was simply lacking. Now, radiocarbon dated evidence from a large number of prehistoric excavations conducted in the region over the past years demonstrate that farming life flourished and diversified in this region for about a millennium before reaching the Danube. The ancient DNA and zooarchaeological analyses of pig bones from a few of these excavations indicate that the domesticated pigs from western Turkey were ancestors of the first domesticated pigs of Europe. Western Turkish pigs belonged to a separate lineage from the boars and pigs of the Near East and became domesticated before or around the same time as pigs were domesticated in the Near East. This means that an unmatched opportunity is put before us to unravel a unique process with great ramifications for understanding domestication and the spread of farming, and examine the previously unrecognized interrelationship between them. This year we started to document this process through the study of a large number of pig bones from at least fifteen early farming sites using an array of state-of-the-art

zooarchaeological methods from plotting their metric dimensions in order to observe how their size and shape change as a result of domestication, to analysing their chemistry to detect the physiological and dietary changes boars started to undergo before the physical signatures of domestication became visible. Emerging patterns will be anchored by direct radiocarbon dating of the bones in Groningen. Second, the project assesses the results in the framework of Human Niche Construction Theory (H-NCT), a promising recent theory that views humans', especially farmers' capacity to engineer ecosystems as the main driver of bio-cultural co-evolution. This theory is particularly fit to explore the phenomenon this project tackles, because it is highly likely that the anthropogenic niche built by the farming activities of incipient sheep-goat-cattle herding crop-raising communities who entered a new ecological zone already similar to temperate Europe, rather than humans' deliberate choices played the bigger role in the domestication of pigs in western Turkey. This was an experiment from the viewpoint of both pigs and farmers, with evolutionary consequences for both. Preliminary results compel us to reconceptualise how domestication events occurred, to redefine the loci of fundamental early farming innovations, and rethink the roles we have assigned to understudied regions in the spread of farming.

Terp zooarchaeology (W. Prummel, C. Çakırlar)

Prummel studied the faunal remains from the 1932-34 excavations by A.E. van Giffen in the terp Ezinge (Gr.) in cooperation with Susanne C.J. Manuel and M. Post. The faunal remains are from the period Iron Age through Late Middle Ages and were collected non-randomly. Tools and tool making waste, and cattle metapodia preponderate. Notable finds are the combs made from cattle horn and the many antler tillage implements. The metapodia made clear that 77% of the adult cattle in the herd were cows, 15% were steers and 8% were bulls.

Prummel studied the skeleton of a late Iron Age/early Roman period mare (*Equus caballus*) from a terp, probably in the province of Friesland, in cooperation with E. Knol, A. Nieuwhof & H. van der Plicht. The mare had a height at the withers of 137 cm. Her age at death was 22-23 years. She was not butchered. Two other mare skeletons of comparable size, one from the Middle-Roman period and one undated, were found in the province of Groningen. These mares attained ages of about 12 years old. Terp inhabitants obviously had reasons not to skin and butcher these mares, but to bury them.

Çakırlar and BA students currently study the faunal material from the GIA 2012 excavations Dronrijp Noord and Zuid and Saxenoord, excavated in summer 2013 by Theun Varwijk (GIA, PhD).

Archaeobotany

Digital Plant Atlas project (R.T.J. Cappers)

Field trips have been made to Crete, Iraq and India to document traditional agricultural practices and food preparation and to collect Ayurvedic plants. Documentation includes descriptions, photos and movies and the sampling of plant material for the reference collection. This documentation is incorporated in two new volumes of the Digital Plant Atlas.

Geomagnetic survey of the dug-away terp Wommels-Stapert (T.W. Varwijk, M. Mennenga (Niedersächsischen Institut für Historische Küstenforschung))

In the summer of 2014, the remainder and vicinity of the dug-away Wommels-Stapert was researched with geomagnetic equipment from the Niedersächsischen Institut für Historische Küstenforschung. In the course of three days a total of 5 ha was surveyed. In the natural soil on the location of the former terp several disturbances were observed. More interestingly a large gully south of the terp was visible, that did not known from old maps or had an apparent relation with known gulleys.

Classical and Mediterranean Archaeology

Landscape, settlement, ritual and society in protohistoric and Roman Italy

Crustumerium project (P.A.J. Attema, A.J. Nijboer, B. Belelli Marchesini)

In 2014 the summer campaign at Crustumerium was directed at further investigations of the "fossato group" of the Monte Del Bufalo burial ground in collaboration with SSBAR (Soprintendenza Speciale per i Beni Archeologici di Roma). Several Iron Age and Archaic burial complexes were excavated among which an exceptionally interesting orientalisising rich female chamber tomb. Trenches were dug to reveal the nature of the anomalies found in the gradiometry of mound 'Quilici O' bordering on the fossato group. This mound proved to be covered with tuff stone debris, possibly proof of an Archaic fortification, while in the mound itself mudbrick debris was attested. Lower in the mound, burials were discovered, indicating that we probably deal with a monumental collective Iron Age burial mound reused in later periods as part of the Archaic fortification. Research into 'Quilici O' will require a long term fieldwork strategy. During the campaign time was also invested in post-excavation work, conservation and restoration. Peer-reviewed publications on Crustumerium were published in the Supplement Series of the leading Journal of Roman Archaeology and in the "Bolletino Comunale di Roma" as well as an edited volume by the project staff in the Caeculus series (Peeters, Leuven) on pre-Roman burial grounds. In GIA's laboratory objects from tombs were restored by Van Oortmerssen and drawn by GIA's draughtsmen for cataloguing.

For the NWO project "The People and the State" the mid-term report was drawn up and accepted by NWO. PhD J.F. Seubers, who is now in the writing phase, made excellent progress with his research and is submitting chapters according to a tight schedule. The manuscript is due 2015. Sarah Willemsen obtained her PhD degree on a dissertation dedicated to the late orientalisising and Archaic tombs at Crustumerium and organised a workshop on that day. Post-doc Belelli prepared excavation reports and is now working on the synthesis on the funerary aspects of the project. Attema and Nijboer drew up a publication plan for the project synthesis (edited volume). Plans for an international exhibition on Crustumerium in Copenhagen, Amsterdam and Rome gained momentum. An application for new PhD research in the project centred on remote sensing was submitted with NWO but not granted.

Note: The annual Crustumerium campaigns are carried out with a team of 2nd year GIA students, senior GIA students and support staff in close collaboration with staff and workmen furnished by the SSBAR

Satricum III publication project (P.A.J. Attema, E. van 't Lindenhout, S. Willemsen, R. Bronkhorst (student), R. Brandhoff (student assistant))

Several meetings were held to discuss progress on realization of the third book publication of the concluded Satricum excavation. An inventory was made of pottery currently in GIA's storeroom at Vopel in anticipation of the analysis of excavation

contexts to be published. Further preparations for the final publication of the Satricum excavations concentrated on the digital processing of field drawings (Sander Tiebacks) and the photo slides (Remco Bronkhorst). Analyses of field data have been subdivided: Willemsen deals with the so called Volscian graves on the acropolis and Van 't Lindenhout deals with a hut complex, referred to as zone "C12", displaying a very complex stratigraphy, dating from the Archaic period to the early Iron Age.

Campoverde Project (P.A.J. Attema, T. van Loon (PhD), F. di Mario (Soprintendenza per i Beni Archeologici di Lazio))

This project aims at the publication with SBAL of the artefact complex from the lake of Monsignore in the form of a catalogue. It is at the same time part of the PhD thesis of Van Loon who made very good progress in cataloguing the many finds together with the GIA draughtsmen. Publication of the catalogue is due in 2015.

Regional Developments and supra-regional processes in archaeological landscapes, A landscape archaeological study of the Pontine Region (Italy) from the Bronze Age to the Early Middle Ages, based on the Pontine Region Project (1987-2006) (P.A.J. Attema)

This project, which will result in a monograph, progresses slowly but steadily. In 2014 chapters 6 and 7 were written and these are now being edited and translated. The final two chapters are due in 2015 as well as the editing of illustrations. It is hoped to finish the book in 2016 to be published in the Amsterdam Archaeological Series of Amsterdam University Press.

Pontine Region Project (P.A.J. Attema (director), T.C.A. de Haas (post-doc), G.W Tol (post-doc))

Work on the Pontine Region Project consisted of the elaboration of data from the 1994 Sezze survey for final publication in *Palaeohistoria* (published December 2014 with De Haas and Tol). Furthermore Peter Attema prepared a paper for the edited volume on 'Rural communities in a globalizing world' by G.W. Tol and T.C.A. de Haas, participated in the scientific meetings concerning progress of this NWO project resorting under the Pontine Region Project and acted as co-author in various publications. In the peer-reviewed journal *Babesch* a paper appeared incorporating results from the project co-written with K. Walsh (University of York) and T.C.A. de Haas. Evelien Witmer continued entry of legacy data into the Pontine Region Project database under supervision of De Haas and Tol. De Haas and Tol performed a re-analysis of the Sezze survey data, which resulted in the publication of a site catalogue in *Palaeohistoria* co-authored with Attema. Attema, De Haas, Seubers and Tol prepared a publication on the PRP results with regard to Archaic settlement, while De Haas also prepared a publication on Archaic colonization in the Pontine region.

The Avellino Event (P.M. van Leusen, P.A.J. Attema, M. Field (University of Leiden))

Substantial research time was used by Van Leusen in the first half of the year (seven meetings, two of which in Leiden) to complete the preparation (with Attema) of a funding application under the NWO Free Competition program call, concerning the Bronze Age eruption of Vesuvius and its effects on the population of central Italy. Full title: "The Avellino Event, cultural and demographic effects of the great Bronze Age eruption of Mount Vesuvius". This application was granted on 18 December and the project will start in early 2015. The grant amounts to €750.000), securing another five years of research within the Pontine Region Project.

Raganello Archaeological Project (P.A.J. Attema, P.M. van Leusen, W. de Neef, F. Ippolito)

Attema and Ippolito presented the Raganello Archaeological Project on a Conference in Naples in January and prepared the resulting paper for publication (The Raganello Archaeological Project, long term settlement development in the hinterland of the Sibaritide). Attema supervised Ippolito's PhD closely as the manuscript is due in spring 2015 and read and commented on reports written by PhD W. de Neef that will be part of her PhD within the framework of the NWO project "Rural Life in Protohistoric Italy" directed by Van Leusen. Work on the introduction to the site catalogue of the Raganello Archaeological Project (with van Leusen) was suspended by the responsible authors as the catalogue is still unfinished.

Raganello Archaeological Project (P.M. van Leusen, P.A.J. Attema)

NWO project "Rural Life in protohistoric Italy" (director P.M. van Leusen)

In June-July Van Leusen directed a field campaign in Calabria (Italy) which was wholly dedicated to a series of experiments aiming to investigate the quality of earlier GIA survey work in the Raganello Basin. To this end, one week of experimental lithics survey was conducted (continuing a similar experiment in 2012, with drs. Pizziolo and Romagnoli), and two weeks of experimental pottery survey (with research assistant E. Witmer). The lithics experiment confirmed the absence of lithics of all types and sizes in areas away from the major streams, and will be prepared for publication by Van Leusen and Romagnoli in 2015. The pottery survey experiments produced a large dataset which was consolidated by Witmer, De Neef and Van Leusen, and prepared for analysis in 2015 (a preliminary analysis was shown at the LAC conference in Rome). An additional one-day pottery characterization experiment using pXRF equipment to establish the feasibility of studying the information potential of undiagnostic survey pottery was conducted with the help of Drs Tykot and Vianello; this is being prepared for publication in 2015.

At the start of the year the final editing cycle of the PhD thesis by H. Feiken took place, following comments from the promotion committee. The successful defence took place on 10 April, and Feiken then took a job in the RCE research department. Van Leusen further continued his review of the site entries for the RAP sites catalogue, which is to be the fourth volume in the Raganello Basin series of technical reports.

Before the Iron Age: the oldest settlement in the hinterland of the Sibaritide (Calabria, Italy) (F. Ippolito)

The pottery drawn in 2013 has been studied, dated, catalogued in ID cards and inserted in tables and plates. New finds from Timpone della Motta and Area Rovitti (Francavilla Marittima) and reassessed materials from the caves of S. Angelo (Cassano Jonio) required a detailed typological analysis, because of the very relevant chronological and cultural information they provided. Chapters 1 and 2 have been edited, the first version of chapters 3 and 4 has been handed in, chapter 5 is in preparation, as well as the editing of plates and bibliography.

Francavilla Project (P.A.J. Attema, J. Jacobsen)

Two external PhD's, M. Crudo and M. Masci were hosted by the GIA to carry out their research on the excavations and materials within the Francavilla project (and beyond) and made good progress. Masci's dissertation on matt-painted pottery is due end of 2015 (co-supervised by A.J. Nijboer). Both Masci and Crudo will return to GIA in 2015. Ippolito, Jacobsen and Attema worked on a chapter on stratigraphy of the

Timpone della Motta for a book publication on the excavation. A proposal for a paper by Attema and Ippolito for the next volume in honour of R. Peroni was accepted (to be prepared in spring 2015).

Urbanization and Architecture in Protohistoric and Early Republican Central Italy (E. van 't Lindenhout)

This year two different subjects have been studied and subsequently prepared for publication. The first is the interpretation of changes in building practices occurring around 600 BC in Central Italy. From that moment on, more monumental stone founded houses have been built, instead of more perishable building forms, commonly described as huts. The other subject concerned the research into different types of houses and the question whether a royal residence could be discerned in the archaeological data. This question has to be answered negatively.

Campoverde project (T. van Loon)

Within the Campoverde project T. van Loon studied the materials (11.401 objects) of a votive deposit. Besides working on the material publication of this sanctuary, Van Loon finished one of the four articles of her PhD-thesis. In this article she performed a comparative study of the locally produced miniature and full-sized pottery. An in-depth analysis of the miniature pottery provided valuable insights in the various functions miniatures may have fulfilled, including offerings and cult equipment. Moreover, the composition of the miniature pottery – compared with the full-sized impasto vessels - excluded their interpretation as cheap dedications and suggests, at least for the miniatures which are replicas of full-sized vessels, a strong symbolic importance.

Crustumerium project (A.J. Nijboer, P.A.J. Attema, B. Belelli Marchesini (postdoc), J.F. Seubers (PhD student), S.L. Willemsen (PhD student))

Various projects were carried out within the framework of the NWO project 'The People and the State. Material culture, social structure and political centralization in central Italy (800–450 BC)'. A fieldcampaign was conducted during the summer (excavations of the Monte del Bufalo cemetery, of the defence system and material studies of the settlement finds)

Collaboration with the prospecting company Eastern Atlas from Berlin and the SSBAR; Soprintendenza Speciale per i Beni Archeologici di Roma). The fieldwork this year yielded valuable data for the project such as the defensive system and the presence of the earliest type of terracotta's decorated with White-on-red motives, which are extremely rare so far in central Italy. A third project consisted of the conservation and restoration at GIA's laboratory of objects from tombs excavated by the GIA in the campaign of 2013.

Nijboer, Attema, Seubers and Willemsen edited volume 8 of *Caecvlvs*, entitled "Research into Pre-Roman burial grounds in Italy" (232 pages). This volume is published by Peeters, Leuven.

Methods and approaches of archaeological detection in Mediterranean landscapes

Rural Life in Protohistoric Italy (W. de Neef, P.M. van Leusen)

De Neef was active in this project until the end of her contract in June. Activities for those six months were focused on finishing laboratory work on soil samples collected in 2013, and finalising our reporting and publication obligations.

***Rural Life Project* (P.M. van Leusen, K.L. Armstrong, W. de Neef, A. Schmidt, J. Sevink (University of Amsterdam))**

In 2014 a final material campaign of the RLP was conducted by De Neef to close off the field phase, and laboratory geophysical, archaeobotanical, and radiocarbon analyses were almost completed. Armstrong, De Neef and Sevink completed first versions of, respectively, the geophysical, archaeological and geopedological technical reports, with Van Leusen acting as general editor. Armstrong's research contract ended in July; Schmidt was contracted in the second half of the year for the specialist modelling of geophysical anomalies.

De Neef has begun writing analytical sections of her PhD thesis, due for completion in 2015.

***Rural Life in Protohistoric Italy* (W. de Neef)**

A large part of 2014 was spent on finishing the technical report on the archaeological fieldwork of the Rural Life project. This included finishing the report on the 2013-2 campaign and integrating the separate year reports (2011, 2012, and 2013) into one large work, which will be published (in 2015). Alongside this, the digital fieldwork data were processed into integrated files which can be used for the final publication. A literature study of specific issues raised in the technical report was conducted during a 3-week stay at the Royal Dutch Institute in Rome (10-31 March 2014). Loose ends of the 2013 fieldwork were tied up: the section at site T115a (Terra Masseta) was fully documented and soil samples were taken for botanical analysis and c14 dating. The test pit at site T73 was re-opened to finish the documentation of the south section.

Botanical samples were processed in Groningen by A. Maurer MA.

The second half of the year was dedicated to the analysis of the data and to writing the methodological chapter of the PhD thesis.

***The International Francavilla Project* (A.J. Nijboer, P.A.J. Attema)**

Attema and Nijboer discussed PhD texts with external PhD students M. Fasanelli Masci on the production of matt-painted ceramics in the Sibaritide and M. Crudo on the relationship between Greeks and indigenous populations in South Italy.

Economy and living standards in the Roman World

***The Minor Centres Project* (T.C.A. de Haas, G.W. Tol, K. Armstrong, B. Borgers, P.A.J. Attema, J. Sevink)**

2014 was the third full year of the project (in full: *Fora, stationes and sanctuaries: the role of minor centres in the economy of Roman central Italy*). Three field campaigns (March, July and October) were conducted, in which on-site surveys at the site of Forum Appii, extensive rural surveys around Ad medias and Forum Appii were carried out. The on-site surveys revealed a very different development between the two minor centres, with Ad Medias being a very small centre with a restricted chronology, whereas Forum Appii grew into a sizable settlement with a much longer chronology, incorporating a wide range of functions both as a central place for its immediate hinterland and as a hub in regional trade networks.

The extensive surveys showed a dense pattern of small and short-lived Republican sites around Ad Medias; settlement around Forum Appii comprises fewer sites (although sedimentation processes may partly account for this) that have a more diverse chronology.

Geophysical prospections Forum Appii and Ad Medias complemented the field surveys. At Forum Appii these investigations aided in establishing the extent of the site and identifying a ceramic workshop on the north side of the settlement. At Ad Medias a large circular anomaly of unknown date and interpretation was further mapped. Magnetometer surveys on three rural sites were conducted to assess the presence of archaeological remains under the ploughsoil. Whereas on one site negative results were obtained, the other two clearly show the presence of in-situ remains. Also, De Haas, Sevink and Borgers conducted a program of coring, to check on various anomalies recorded in the geophysical prospections and cartographic sources.

Tol undertook additional ceramic studies, which provided the basis for establishing the chronology and function of recorded sites. In total ca. 25.000 sherds were processed. Borgers continued the program of thin section analyses on ceramic waster fragments from Forum Appii, Ad Medias, Astura and rural production sites (including tiles, cover tiles, dolia, amphorae and various coarse wares). The preliminary results of the ceramic petrographic analysis suggest that the pottery from each of the production sites is characterised by a distinct petrographic 'signature', which can be used to identify the pottery in consumption contexts. Borgers also selected samples of well-dated fine ware (bowls in Black Gloss) and coarse ware (two types of ollae) from consumption sites, with the aim of establishing their petrographic variability.

With Sevink, Borgers also undertook a program of clay sourcing, which confirmed that the region provides a particularly good setting for pottery manufacture since a wide range of raw materials are available close to the sites. Clay samples were collected and thin sections prepared from fired briquettes, to be compared with the thin sections from the pottery production sites under study, and to understand whether local clay sources were used for pottery production. The first results suggest that potters exploited the local suitable raw materials, and that they preferred different materials depending upon their technological traditions.

Work on our regional survey, site and artefact database progressed with the help of student assistant Evelien Witmer (see also 'Pontine Region Project'). Valorisation activities included the continued distribution of a project leaflet (by now c. 900 copies distributed among local population), guest teaching at a primary school in Borgo Pasubio and a public lecture in Borgo Faiti. Also, De Haas and Tol acted as guest editors for the archaeological 'glossy' *Forma urbis*, with an article on the project. Before her contract ended in May 2014, Armstrong completed the internal technical reporting (to English Heritage standards) of all geophysical prospections conducted so far and started work on her project deliverable; an article on the geophysical prospections. After her contract ended, additional geophysics were commissioned externally (Eastern Atlas GmbH, Archaeodigit), funding for which was obtained through the Gratama Stichting.

Tol and De Haas worked on the publication of the proceedings of last year's conference (to appear with BRILL in 2016). Project members contributed to various conferences and workshops, while the first project publications appeared.

***The Agricultural Economy of Islamic Jordan, from the Arab Conquest to the Ottoman Period* (A.M. Hansen)**

This PhD project recently started. Fieldwork for this project first began in Spring 2013 and the second season of fieldwork was conducted in Tall Hisban, Jordan this

past May. Together with the excavation's zooarchaeologist and phytolith specialist, the researcher gave a public lecture to the excavation's students and fellow researchers during the excavation's weekly lecture series, entitled "An introduction to Environmental Archaeology". Archaeobotanical materials were sampled from a variety of domestic contexts dating from the Byzantine to Ottoman periods in order to assess the range of crop and wild species present. Additionally, the researcher designed a floatation machine that was engineered and manufactured by a local craftsman and smith in Madaba, Jordan. The researcher has engaged in coursework complimentary to the project and is currently writing up review articles as well as the preliminary results for the archaeobotanical materials. This project is currently engaged in collaborations with researchers from the University of Bonn, Andrews University, University of Sheffield and the University of Texas at Austin.

Productive Landscapes. An interdisciplinary inquiry into the productivity of crop husbandry in the Roman Empire: 200 B.C. - A.D. 500 (F.B.J. Heinrich)

In 2014 archaeobotanical fieldwork was carried out at Kerma and Hamadab (Meroe - both in the Sudan) with a focus on mudbrick contexts and ethnobotanical research. Results of the former are pending, results of the latter greatly aided the construction of the crop-selection model. Furthermore, the dissertation chapters on Italy and Egypt were completed and meta-regional conclusions were reached. The theoretical and methodological model was largely completed and research on the two remaining regions (Britain, the Netherlands) was commenced. Various presentations were successfully given and several new collaborations (with Cambridge University - on Pompeii botanics, with The Max Planck Institute Tuebingen - on plant genetic research and with the Austrian Academy of Sciences - on archaeobotanical investigations at Sai (Sudan)) were formalized.

Interaction in the margins of the Graeco-Roman World

Dzarylgac Survey Project (DSP), Ukraine (P.A.J. Attema)

As spin-off of this project several lectures were given on the results of this project (Universities of Palermo, Leiden, Groningen) and a paper was prepared for an edited volume "Repertoires of Rule" edited by T. Stek and B. Düring (Leiden University), as well as a contribution to the guest lectures website of the University of Palermo.

Greek Archaeology

Social change and cultural interaction in the prehistoric and protohistoric Aegean

Middle Helladic Argolid Project (S. Voutsaki, S. Triantaphyllou (Thessaloniki University), A. Ingvarsson-Sundstrom (University of Uppsala), E. Milka (Argolid Directorate))

The publication of the MH Argolid Project has slowed down because of other commitments. S. Triantaphyllou, A. Ingvarsson-Sundstrom and E. Milka are still working on the publication of their analyses. S. Voutsaki has written up an article on social change, based on the results of the project, which will be included in the proceedings of the Greek Archaeology Conference I, to be published by Oxbow (co-edited with C. Wiersma). Another paper, partly based on the project, was presented at the Metaphysis Aegaeum Conference in Vienna.

Argos Tumuli Project (S. Voutsaki, K. Sarri (free-lance pottery specialist), O. Dickinson (Emeritus, University of Durham), S. Triantaphyllou (Thessaloniki University), E. Milka (Argolid Directorate))

The final publication of the Argos Tumuli Project (INSTAP Academic Press) is in preparation. K. Sarri is finishing the chapter on pottery, and S. Voutsaki and E. Milka are completing the chapter on the mortuary practices. The largest part of the Catalogue of Finds and the Plates are ready.

Before Menelaus: Social change in early Mycenaean Ayios Vasilios, Laconia (S. Voutsaki, E. Vika (Attica Directorate, Greek Ministry of Culture), I. Moutafi (University of Sheffield), L. Polymenakos (Geophysics Consultancy Geotomi), P. Karkanas (Palaeoanthropology and Speleology Directorate, Greek Ministry of Culture/Wiener Laboratory, American School of Classical Studies), D. Fallu (University of Boston), V. Hachtmann (University of Heidelberg))

The excavation at the Northern Cemetery, Ayios Vasilios (carried out under the auspices of the Archaeological Society and Athens) have continued for the fifth year. The renewed geophysical prospection has enabled us to define the boundaries of the cemetery with more precision; in addition, experimenting with different methods and comparing their results with the findings at the excavation has helped us select the most appropriate techniques. (For the results of the excavation, see under Fieldwork). We have continued taking samples for soil micromorphology, both from inside tombs in order to reconstruct episodes of use (and re-use), and from the gravel layers in order to understand the processes of deposition and the external appearance of the cemetery. We continue the careful excavation of the tombs and removal of the skeletons in order to make taphonomic observations, especially in the re-used tombs. We started the contextual analysis of the mortuary practices, which already sheds light on variation between age, sex, and kin groups. We have started to design our sampling strategy, and to draft the permit applications, starting with the radiocarbon analysis and the analysis of stable isotopes. The costs of the bioarchaeological analyses are covered by a generous grant by the Ammodo Foundation. The results of the excavation have been presented in the Metaphysis Aegaeum Conference in Vienna and the European Association of Archaeologists Meeting in Istanbul. Several articles are in preparation.

Explaining Change in Aegean Prehistory (C.W. Wiersma, S. Voutsaki)

The Proceedings of the first Groningen Greek Archaeology Conference, which was held in Groningen on 16-17 October 2013, as part of the PhD examination of Corien Wiersma, have been accepted for publication by Oxbow, Oxford. The volume will be edited by C. Wiersma and S. Voutsaki.

Magoúla Pavlína (C.W. Wiersma, H.R. Reinders)

The Mediterranean Archaeological Trust and the Thessalika Erga Foundations have both granted an amount of €1800 to Corien Wiersma towards the study and final publication of the Greek Bronze Age settlement of Pavlina Magula in Thessaly. The study season in 2014 lasted from April 25 to May 26 during which over 300 objects were drawn by draughtsperson Kalliope Theodoropoulou. All objects drawn were catalogued by Corien Wiersma. This included a description of the size, shape, ware, surface colour and treatment, fabric, decoration, date and possible parallels. All catalogued objects were also photographed. In addition, summarizing observations were made about the various ware groups and the assemblage as a whole. The drawings have been digitized by Reinders during the summer and fall. In addition, the texts for final publication are in the process of being edited.

Proceedings on the symposium 'Explaining Change in Aegean Prehistory' (C.W. Wiersma, S. Voutsaki)

The proposed edited volume consists of the proceedings of an International Conference entitled 'Explaining Change in Aegean Prehistory', which was held in Groningen, the Netherlands on 16-17 October 2013. The aim of the conference was to explain processes of social and economic change from the Early Bronze Age III to the Late Bronze Age I period (ca. 2200 - 1600 BC) in the southern Aegean. The beginning of this period (the end of the EBA) witnesses a severe crisis which is followed by social regression (during the early phases of the MBA) and slow recovery and a precipitation of social change in the transition to the LBA. The focus is on the southern mainland, although we adopt a comparative approach and examine parallel (or divergent) processes in the surrounding islands and Crete.

Diet, mobility and society in the prehistoric and protohistoric Aegean

Mycenaean Burial Traditions of Achaea: An Anthropological and Bioarchaeological Approach (O. A. Jones)

Jones's PhD research this year focused on completion of data collection while working at the Wiener Laboratory in Athens Greece. The data collection involved various macroscopic analysis techniques and taking radiographs of particular skeletal elements. The analysis identified over 4,000 human bone fragments and counted and measured an additional 18,000 fragments. Also, the a preliminary study of the results show that while children and infants are under-represented in the case study sites, they are more present than previously thought and a tendency towards chamber tombs as more appropriate during the later period for child and adolescent burials is prevalent.

The transition from the Bronze Age to the Iron Age in Greece: isotopic analysis of skeletal remains from sites of central Greece (E. Panagiotopoulou)

In 2014 the contextual analysis of the mortuary data has been finalized. In addition, the data of the carbon and nitrogen isotopic results for diet reconstruction, have been analysed and studied in correlation to the results of the contextual analysis. The goal is to identify dietary and social differentiation patterns which will lead us to the understanding of the social formation in the Early Iron Age. Two articles are being prepared at the moment, discussing the social formation in various sites based on the integration of stable isotope analysis and contextual analysis of mortuary data. In March 2014, Panagiotopoulou proceeded with the stable sulfur isotope analysis. The focus of this analysis is to identify other dietary sources which will elucidate few "out of range" carbon and nitrogen values. The analysis of sulfur isotopes has been completed and the results of the sulfur analysis are being studied at the moment. Furthermore, in May 2014 Panagiotopoulou collected geological samples from the areas around the excavations. They are needed to set the local strontium isotope signature, in order to study migration acts in Thessaly.

Social change and cultural interaction in the Hellenistic and Roman eastern Mediterranean

Civic and Cultural Identity in a Changing World. Analyzing the Mortuary Practices of the Postclassical Peloponnese (T.M. Dijkstra)

In 2014 research focused on the Late Hellenistic and Early Roman cemetery of Patras. The changes in mortuary practices of the Roman provinces have traditionally been attributed to a process of Romanization. The theoretical debate about

Romanization and cultural change has been carefully studied and during a research trip to Italy several cemetery sites were visited for a comparative analysis of the practices. Two research visits to Athens resulted in the completion of the data collection. An article discussing the changes in the cemetery of Patras in the period 50 BCE - 50 CE has been prepared for the conference proceedings of 'Processes of Integration in the Roman Empire.'

Erbil Plain Archaeological Survey project (L. de Jong, J. Ur (Harvard University))

This project investigates the long-term impact of ancient empires on the rural landscape of North Iraq (Kurdistan) by combining a study of historical satellite and aerial photographs with on the ground survey. The projects hosts various international scholars specialized in the prehistoric, Bronze Age, Iron Age, Sassanian, and Early Islamic periods. The GIA involvement concentrates on the Hellenistic though Roman-Parthian centuries. De Jong gave a lecture on the Hellenistic and Roman/Parthian material during the NINO anniversary conference in December, and is collaborating with a recent Italian PhD to design a research project investigating the Hellenistic phases of several on-going projects in Kurdistan.

North Mesopotamia between Alexander and Djenghis Khan (L. de Jong)

This research project concentrates on the archaeology, history, and environment of North Mesopotamia in the Classical, Byzantine, and Early Islamic era. A study of the visibility of the Roman empire in the North Mesopotamia was presented at a conference on Ancient Empires at the University of Leiden. These results will be published in an edited volume.

Burial and Commemoration in the Roman province (L. de Jong)

This umbrella project consist of several initiatives aimed at the study of burial practices in the Roman provinces, combining archaeological, epigraphic, osteological, and literary evidence. The final report of the Baalbek cemeteries survey directed by Margarete van Ess (DAI) and Klaus Rheidt (Cottbus) was published, as well as a general interest article about mortuary practices in Roman Lebanon. L. de Jong and a research assistant have set up the network Burial and Commemoration in the Roman province. This network intends to mobilize scholars interested in the study of burial customs and funerary practices in the provinces of the Roman Empire. It has an Academia page and an email list for notifications. In 2015, L. de Jong and T. Dijkstra will organize a panel on the topic at the Meeting of the Archaeological Institute of America (AIA). L. de Jong presented two papers discussing tombs in Palmyra at the International Congress on the Archaeology of the Ancient Near East (ICAANE) in Basel and the Freie Universität in Berlin.

Hellenistic-Roman Pisidia (L. de Jong, B. Hürmüzlü (Isparta University), D. van der Linde (independent researcher))

The investigation of Pisidia (Turkey) in the Hellenistic and Roman periods is a collaboration with the University of Isparta. Hürmüzlü and De Jong organized a panel on Pisidia in the Hellenistic and Roman periods at the European Association of Archaeologists Meeting in Istanbul in September. These results will be published in an edited volume. Van der Linde received a Prins Bernhard Cultuurfonds fellowship to study the evidence of Roman tombs in Pisidia (Turkey) and to work in the library of the Dutch Institute in Istanbul. Van der Linde made a blog describing his experiences, and co-presented the result of his research with De Jong at the European Association of Archaeologists Meeting in Istanbul in September. De Jong and Van der Linde and several students from Groningen (Archaeology and Classical

Languages) have collaborated on a database collecting previously published funerary materials (archaeological and textual) from Hellenistic and Roman Pisidia. This initiative is still ongoing.

Attitudes to the past in the present

Ayios Vasilios and Xirokambi: an excavation and the local inhabitants (S. Voutsaki)

The public outreach programme of the Ayios Vasilios excavations (under the direction of Mrs A. Vasilogamvrou and the auspices of the Archaeological Society at Athens) continues. This year a large number of visitors (at times reaching up to 30 people per day) have been shown around the site, and a special tour of the site for the local inhabitants has been organized. In addition, we have had meetings with the municipal authorities, who are offering free accommodation to the excavation team, but also a building which has been repaired and adjusted, so that it can be used as finds processing unit. In addition, there are plans to transform another building into a temporary exhibition space. We have had meetings with local cultural and ecological association in order to discuss further collaboration towards sustainable touristic development which would include both the archaeological sites of the area and the areas of natural beauty. In addition, in collaboration with local primary schools, an educational programme related to the Ayios Vasilios findings is organized. Finally, Filippos Koutsaftis, the film-maker who has received various awards for his documentaries on ancient sites and their perception by the local inhabitants, has started working on a documentary on the Ayios Vasilios excavations.

Arctic and Antarctic Studies

Exploration and resource development in polar areas

Jan Mayen Expedition 2014 (P. Jordan)

This was an international and inter-disciplinary expedition to Jan Mayen Island. GIA staff were involved in ecological surveys and investigation of 17th century Dutch whaling sites.

Strategic Assessment of Development in the Arctic (K.I.M. van Dam, A.J.M. Scheepstra)

The Arctic Centre was part of a consortium that compiled stakeholders' knowledge and perspectives on the scientific information about the development of the Arctic as well as increasing awareness about the Arctic and its changing political, economic and environmental landscape, and the impact of EU policies. Van Dam and Scheepstra were leading the assessment on mining in the European Arctic. Through a literature review, a stakeholders consultation and online questionnaires an overview was made of the current issues in European Arctic mining and the role of the EU in this. At the end critical factors for EU decision-making have been drawn up.

Fieldwork and artefact processing

Prehistoric and Protohistoric Archaeology of North-west Europe

Deventer, 1 January — 31 December. External project on ceramics analysis.

Director : -
Staff : G.J. van Oortmerssen (LCM)
Participants : A.J. Nijboer, B. Borgers
Cooperation : S. Bloo (BAAC)
Note : Fabric analysis on ceramics from Deventer: fresh sections and thin sections

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Dronrijp, 1 January — 31 December. Conservation and restoration of finds from the excavation.

Director : M. Bakker
Staff : G.J. van Oortmerssen (LCM)

Onlanden, 1 January — 31 December. Conservation and restoration of finds from the excavation.

Director : J.A.W. Nicolay
Staff : G.J. van Oortmerssen (LCM)
Participants : M. Meddeler (UvA)
Note : M. Meddeler is an intern from the University of Amsterdam (Research Master, discipline Conservation and Restoration, specialisation Ancient and Historic Metals).

Northeast-Fryslân, 28 January. Coring survey on several dwelling mounds.

Director : M. Bakker
Staff : None
Participants : A. Kaspers (student)
Cooperation : None

Garsthuizen, 28 January — 19 February. Community archaeology project with excavation of medieval church mound.

Director : A. Zagkotsis, L. Jetten, P. Lunshof
Staff : H.A. Groenendijk
Participants : R. Rap, J. Rap, N. de Vries, P. Hoebe, M. Nijboer, A. v.d. Heuvel, T. Steenwijk, R. van Bodegom (students)
Cooperation : P. Breukink (St. Oude Groninger Kerken), M.L. Gregoire (St. Restauratie Kerk Garsthuizen), P. Prins (mun. of Loppersum), J. Stöver (RCE), J. Hylkema (RAAP), volunteers from the village of Garsthuizen
Note : The disused and crumbling church of Garsthuizen in the epicentre of the Groningen earthquake region is to be replaced by a regional information centre on church history. Archaeology served as a vehicle to guide the farewell process of the local residents in their sense of loss for their cherished church.

Sneek-Harinxmaland, 12 February. Coring survey north of Sneek.

Director : M. Bakker
Staff : T.W. Varwijk
Participants : None
Cooperation : None

Onner es, 6 — 7 March. Coring of megalith site G4.

Director : H. A. Groenendijk
Staff : H.A.Groenendijk
Participants : R. Rap, T. Trienen, J. van der Velden (students)
Cooperation : T. ten Anscher (RAAP)
Note : Coring the presumed site of the demolished megalith tomb G4 (Onner es) was carried out with the prospect of finding granite particles and ceramics in order to pinpoint the location of the tomb. Indeed an area of 12 x 25 m, coinciding with earlier surface finds, was determined to be the former hunebed site.

Westeinde, 15 May — 15 June. Fieldschool - Training excavation of the Celtic field of Westeinde - Noormansveld.

Director : S. Arnoldussen
Staff : R. Rap, N. de Vries
Participants : Groningen First year archaeology students
Cooperation : M. Nieuwenhuis (Gem. Westeinde), R. Popken (Natuurmonumenten), W.A.B. van der Sanden (prov. Drenthe)

Zuidlaren - Burgvoort/Sansum/Kastelenakkers, 15 May — 15 June. Archaeological prospection (coring) for possible medieval castles sites near Zuidlaren.

Director : D.C.M. Raemaekers
Staff : S. Arnoldussen, A.G.M. Spiekhout, Y.T. van Popta, R. Rap, N. de Vries
Participants : A. Brinksma, L. Medendorp, J. van Ommen, J. van Dijk, T. Westera, E. Zwijnenburg, K. Kleine Koerkamp, A. Postma, C. Pruim, B. van Wijk, K. Kuipers, J. Röring, L. Kieskamp, M. Bos, R. Broekroelof, M. Meijer, G. Cnossen (students)
Cooperation : K. Armstrong (University of Groningen), E. Galetzka (Waterschap Hunze en Aas), G. Meijers (Prov. Drenthe), W.A.B. van der Sanden (prov. Drenthe), M. Huisman (Gem. Zuidlaren), A. Mars (Prov. Drenthe)

Sneek-Harinxmaland, 2 June — 5 July. Excavation of the Iron Age and Roman Age dwelling mound Sneek-Harinxmaland I.

Director : M. Bakker
Staff : T.W. Varwijk, J.A.W. Nicolay, S. Tiebackx, E. Bolhuis
Participants : S. Thasing, A. Kaspers, Y. van Deun, M. Haandrikman, T. Sibma

(students), L. Spoelstra, M. Bannink, L. Lycklama a Nijeholt, E. Scheele, J. van Gent (volunteers), A. Visser, H. Baron, R. Visser (volunteers AWF), N. Casolin, G. Hofstra (volunteers ASP)
Cooperation : P.C. Vos (Deltares), G. Aalbersberg (AGEA advies), S.J. van der Burg (Van der Wiel BV)

Wommels-Stapert, Wommels, 24 — 26 June. Geomagnetic survey of a dug-away terp site.

Director : T.W. Varwijk
Staff : T.W. Varwijk
Participants : S. Thasing (student)
Cooperation : M. Mennenga (NIhK)

Someren - De hoenderboom, 14 July — 1 August. Excavation of the Celtic field of Someren - De Hoenderboom.

Director : S. Arnoldussen
Staff : S. Arnoldussen
Participants : R. Rap, N. de Vries, J. Top, K.M. de Vries, P. Hoeben, J.W. de Kort (RCE), W. Jong (RCE)
Cooperation : J.W. de Kort (RCE), W. Jong (RCE), O. Brinkkemper (RCE), H. van den Oever (gem. Someren)

Firdgum, 15 July — 25 December. Turf House Project 2.0: rebuild of the archaeological reconstruction of an early medieval turf-walled farm building.

Director : D. Postma
Staff : G. de Langen, J. Nicolay, F. Possel
Participants : Staff fieldwork supervisors: T. Sibma J. van Gent R. Rollingswier. Assisting students: G. Nieuwlaat, J. Top. The fieldwork was furthermore conducted by over ca. 50 volunteers, including local inhabitants, amateur archaeologists and archaeology students. Special thanks go to J. van der Wal and A. Bijlsma for their neighbourly assistance during this fieldwork campaign.
Cooperation : Yeb Hettinga Museum: J. Vonk, C. Hettinga, D. Bosma; It Fryske Gea: A. Wester, J.J. Jongsma, R. Attema (volunteer); Omrop Fryslân: P. Tjeerdsma; NHL University of Applied Sciences: E. Jonker, G. de Jong, C. Ighodaro, N. Bakker; W2N Enigneers: R. Althuis, T.; Glass Inlands Hout: J. and M. van Leersum; ARRE Remaining History: S. Pelsmaeker; Wirotex Kraanverhuur: H. Witte; Bouwbedrijf Jelle Bruinsma: J. and J. Bruinsma, Jorrit de Vries; Kraanverhuur: J. de Vries.
Note : The rebuild of the turf house is funded by the Province of Fryslân, with staff costs supplemented by the University of Groningen.

Dronten, 4 — 28 August. Excavation of seventeenth century cargo vessel.

Director : A.F.L. van Holk
Staff : L. Koehler, G. Schreurs
Participants : Gerrit Dijkstra (University of Amsterdam), Dorien Otten, Joëlle

Joritsma, Wietse Stelingwerf (University of Leiden), Nicole Schoute, Robert de Hoop, Wander Huffstadt (Hogeschool Saxion), Morvenna van Rijn, Mariska van der Velde, Erik Wijshake, Peter Lunshof, Yftinus van Popta, Koen Blok, Jildou Bruinsma, Merel van den Hoek (University of Groningen), Sarah Madden (University of Southern Denmark). AWN Flevoland: Hugo Teerds, Annegret Meijboom, Alwina Meijboom, Ellen van Galen-Last, Saskia Thijsse, Archie Ermans and Maarten Streefkerk

Cooperation : L. Koehler, G. Schreurs (State Service Cultural Heritage - department Maritime Archaeology), M. Afanasyev (PhD TU Delft)

Note : The excavation will be continued in 2015.

Slochteren, 27 August — 15 October. Sampling fossil oaks and peat layer in a nature development project (Ecologische Hoofd Structuur).

Director : None

Staff : H.A. Groenendijk

Participants : H. Woldring

Cooperation : W. Hoek (University of Utrecht), A. van Klinken (Provincie Groningen), B.J. Prak (Dienst Landelijk Gebied)

Note : The development of an Atlantic wetland at the foot of a cover sand elevation with late-palaeolithic to neolithic occupation has been investigated.

Wommels-Stapert, Wommels, 4 August — 22 September. Excavation of terp site, Early Iron Age to medieval period.

Director : T.W. Varwijk

Staff : M. Bakker, J.A.W. Nicolay, S. Tiebackx, T.W. Varwijk, G.J. de Langen

Participants : A. Kaspers, S. Thasing, M. Scholte-Lubberink, A. Heemskerk, H. Kamstra, S. Looper, J. Pannen, P. Schrijver, E. Zwijnenburg, B. van Wijk, M. Haandrikman (students), N. Casolin, G. Hofstra, R. Visser, H. Baron, A. Visser, E. Scheele, G. Aalbersberg, M. Eikelenboom, P. Bouma, T. Menting, J. de Boer, S. , M. Bannink, L. Everts, E. de Boer (volunteers)

Cooperation : S. van den Burg (Van der Wiel Holding BV), P. Vos (Deltares)

Wommels-Stapert, Wommels, 1 November — 31 December. Conservation and restoration of finds from the excavation.

Director : T.W. Varwijk

Staff : G.J. van Oortmerssen (LCM)

Classical and Mediterranean Archaeology

Kerma, 5 — 23 January. Archaeobotanical Investigations of the Deffuffa at Kerma (Kerma culture / Kushite).

Director : C. Bonnett

Staff : F.B.J. Heinrich, P.W. van Pelt, R.T.J. Cappers
Participants : F.B.J. Heinrich, R.T.J. Cappers, P.W. van Pelt (University of Cambridge)
Cooperation : C. Bonnet, University of Geneva

Sibari, Italy, 24 February — 4 April. Selection, drawing, description of pottery from sites Timpone della Motta, Timpone delle Fave, S. Angelo.

Director : P.A.J. Attema
Staff : F. Ippolito
Participants : S. Boersma, M. Crudo
Cooperation : J. Jacobsen

Pontine Region, Central Italy, 8 — 19 March. Geophysical and Field Surveys around Ad Medias (Mesa) and Forum Appii (Borgo Faiti), and processing of archaeological materials collected during fieldwork of the Minor Centers project.

Director : T.C.A. de Haas, G.W. Tol
Staff : T.C.A. de Haas, G.W. Tol, B. Borgers, J. Sevink
Participants : Filmo Verhagen, Evelien Witmer, Remco Bronkhorst, Roelien Rap, Menno Nijboer, Jord Hilbrants (students), M. Mandich (University of Leicester), L. Weekers (Ghent University), Jasmin Hangartner (University of Bern), Aafje Wamsteeker, John Wamsteeker
Cooperation : C. Anastasia (local liaison), N. Cassieri (soprintendenza per i beni archeologici del Lazio)
Note : Organized by The Minor Centers project.

Nettuno, Italy, 5 May — 30 June 2015. Material study Minor Centres project.

Director : G.W. Tol
Staff : None
Participants : None
Cooperation : None

Hisban, Jordan, 23 May — 16 June. Tall Hisban Excavations.

Director : O. LaBianca and B. Walker
Staff : A.M. Hansen
Participants : Students from Andrews University and Missouri State University (MSU).
Cooperation : Dr. C. Corbino (University of Sheffield), S. Lapiradou (University of Texas at Austin)

Nettuno, Italy, 28 — 31 May. Geophysical survey at site Piccarreta 32.

Director : T.C.A. de Haas & G.W. Tol
Staff : None
Participants : E. Bolhuis, S. Tiebackx, J. Wubs, T. Trienen
Cooperation : None

Calabria, Italy, 2 June — 12 July. Material studies of artefacts found during previous Rural Life campaigns.

Director : P.M. van Leusen
Staff : W. de Neef
Participants : A. van den Dorpel (volunteer), E. Witmer (student)
Cooperation : Dr. L. Alessandri, dr. M. D'Andrea
Note : Finishing the sections documentation at Terra Masseta, including soil samples for macro-remains and c14 dates. Re-opening the test pit at T73, to finish the documentation of the southern section, and taking soil samples for macro-remains and c14 dating.

Raganello Basin, Calabria (IT), 14 June — 19 July. Rural Life Project material campaign and RAP field experiments.

Director : P.M. van Leusen
Staff : W. de Neef, E. Witmer
Participants : A. Leijenaar, J. Bruinsma, M. van den Berg (students), A. van den Dorpel (volunteer), A. Verleysen, H. van Hoecke (University of Ghent), C. Tessaro (University of Florence)
Cooperation : Dr F. Romagnoli, Dr G. Pizziolo (University of Siena), Dr M. d'Andrea (University of Calabria), Dr L. Alessandri (independent), Dr R. Tykot (University of Miami), Dr. A. Vianello (University College London)

Calabria, Italy, 23 — 28 June. Lithics survey.

Director : P.M. van Leusen
Staff : W. de Neef
Participants : Dr G. Pizziolo (University of Siena), Dr F. Romagnoli (University of Tarragona), C. Tessaro MA (University of Siena), A. van den Dorpel MA, E. Witmer (student)
Cooperation : None

Crustumerium, Italy, 1 July — 1 August. Excavation at Crustumerium.

Director : P.A.J. Attema, A.J. Nijboer
Staff : B. Belelli Marchesini (post-doc), S. Boersma (draughtsman), G.J. van Oortmerssen (LCM), J.F. Seubers (PhD)
Participants : 2nd year students, senior students, alumni
Cooperation : Soprintendenza Speciale per i Beni Archeologici di Roma (SSBAR)

Crustumerium, Italy, 13 July — 2 August. Conservation and restoration of finds from the excavation of tombs at the Monte Del Bufalo cemetery

Director : P.A.J. Attema, A.J. Nijboer
Staff : G.J. van Oortmerssen (LCM)
Participants : C. Barreaud
Cooperation : Soprintendenza Speciale per i Beni Archeologici di Roma (SSBAR)
Note : C. Barreaud participated as an intern while in the master phase of her study at l'Ecole de Conde, Paris (education institute for ceramics restoration).

Rome, 10 — 15 July. Processing survey finds of the Tenuta Barberini.

Director : P.A.J. Attema
Staff : J.F. Seubers
Participants : J.F. Seubers
Cooperation : GIA

Nettuno, Italy, 28 — 30 July. Geophysical prospections on the poligono militare di Nettuno.

Director : T.C.A. de Haas & G.W. Tol
Staff : E. Bolhuis, S. Tiebackx
Participants : J. Wubs, T. Trienen (Archaeodigit)
Cooperation : S. Megna (poligono militare di Nettuno), A. Zarattini
(Sorpintendenza per i Beni Archeologici del Lazio)

Pontine region, Central Italy, 4 October — 10 November. Geophysical and Field Surveys around Ad Medias (Mesa) and Forum Appii (Borgo Faiti), and processing of archaeological materials collected during fieldwork of the Minor Centers project.

Director : T.C.A. de Haas and G.W. Tol
Staff : T.C.A. de Haas, G.W. Tol, B. Borgers
Participants : K. van den Berghe (University of Ghent), E. Bolhuis (RUG), L. Buzzelli (Universita la Sapienza, Rome), K. de Roest (RUG), S. de Smet (University of Ghent), H. Duinker (RUG), E. Gironi (Universita la Sapienza, Rome), Adeline Hoffelinck (University of Ghent), C. Lenzi (Universita la Sapienza, Rome), M. Mandich (Leicester University), M. Matteazzi (University of Barcelona), L. dal Monte, Leon Theelen (Leiden University), Katrien Van Den Berghe (Univ. of Ghent), F. Verhagen (RUG), A. Verleysen (University of Ghent), E. Witmer (RUG)
Cooperation : C. Anastasia (local liaison), B. Ulrich (+ 2 co-workers; Eastern Atlas GmbH & CO KG); W. de Neef (Eastern Atlas GmbH & CO KG); T. Trienen (ArcheoDigit), N. Cassieri (Soprintendenza per i Beni Archeologici del Lazio)
Note : Organized by The Minor Centers project.

Greek Archaeology

Vancouver, Canada, 26 March — 6 April. Stable sulfur isotopic analysis of skeletal remains.

Director : M.P. Richards
Staff : O. Nehlich, L. Jarvis, R. Macdonald
Participants : E. Panagiotopoulou
Cooperation : Laboratory of Archaeology, Department of Anthropology, University of British Columbia

Thessaly, Greece, 18 — 21 May. Collection of geological samples.

Director : E.Panagiotopoulou

Staff : L. Polimenakos
Participants : none
Cooperation : Groningen Institute of Archaeology

Classical Halos, 26 June — 26 July. Excavation of test trenches at the Magoula Plataniotiki.

Director : V. Stissi (UvA), H.R. Reinders, V. Rondiri (13th EPKA)
Staff : T. M. Dijkstra, D. Efstathiou, E. Heymans, I. Mamaloudi, E. Stamelou
Participants : J. van Rookhuijzen (PhD student Radboud Universiteit Nijmegen), J.S. van der Heul, S. Kamphorst (volunteers), K. Blok, M. Louwes (students)
Cooperation : V. Stissi (Universiteit van Amsterdam), V. Rondiri (13th EPKA)

Ayios Vasilios, 1 — 31 July. Excavation of Northern Cemetery, Ayios Vasilios.

Director : S. Voutsaki
Staff : E. Vika (Attica Directorate, Greek Ministry of Culture), L. Polymenakos (Geophysics Consultancy Geotomi), P. Karkanias (Palaeoanthropology and Speleology Directorate, Greek Ministry of Culture / Wiener Laboratory, American School of Classical Studies), D. Fallu (University of Boston), I. Moutafi (University of Sheffield), V. Hachtmann (University of Heidelberg), A. Balitsari (University of Athens), E. Panagiotopoulou.
Participants : I. Rom, T. Verlaan (REMA students, Groningen), C. Vergidou (REMA student, Leiden)
Cooperation : Archaeological Society at Athens, 5th Directorate of Prehistoric and Classical Antiquities, Sparta; Geophysics Consultancy Geotomi; Wiener Laboratory, American School of Classical Studies.

Diros, Greece, 5 — 18 July. Excavation of a Mycenaean ossuary in a Neolithic settlement.

Director : G. Papathanasopoulos
Staff : Dr. Anastasia Papathanasiou, Ephorate of Paleoanthropology and Speleology of southern Greece
Participants : E. Panagiotopoulou
Cooperation : Ephorate of Paleoanthropology and Speleology of southern Greece
Field Museum in Chicago

Ayios Vasilios, Greece, 14 — 21 July. Exploratory visit in preparation of the survey.

Director : Mrs. A. Vasilogamvrou and Prof S. Voutsaki
Staff : Dr. C.W. Wiersma
Participants : -
Cooperation : Archaeological Society at Athens; 5th Directorate of Prehistoric and Classical Antiquities, Sparta; Geophysics Consultancy Geotomi
Note : Corien Wiersma paid a short visit to Ayios Vasilios to explore the area for survey suitability and to assess sherd densities and access to

the fields.

Ayios Vasilios, Greece, 18 — 30 July. Excavation of a Bronze Age cemetery in Laconia.

Director : S. Voutsaki
Staff : E. Vika
Participants : E. Panagiotopoulou
Cooperation : Groningen Institute of Archaeology, Archaeological Service of Sparta

Arctic and Antarctic Studies

Svalbard, 7 — 16 June. Metal detecting on Arctic islands.

Director : F. Kruse
Staff : F. Kruse
Participants : F. Kruse
Cooperation : F. Kruse (Arctic Centre, RUG)

Longuearbyen, 10 — 25 July. Processing find material Kokerineset.

Director : S. Dresscher
Staff : S. Dresscher
Participants : S. Dresscher
Cooperation : T. Hutlgreen (Svalbard Museum), S. Solness (Svalbard Museum)

Svalbard, 7 — 25 July. Survey of mining settlements.

Director : F. Kruse
Staff : F. Kruse
Participants : F. Kruse, B. Koster (RWTH Aachen), S. Dresscher, I. Sjoebakk (Svalbard Museum)
Cooperation : B. Koster (RWTH Aachen), I. Sjoebakk (Svalbard Museum)

Jan Mayen, 13 — 26 August. Inter-disciplinary field surveys of 17th-century whaling stations (archaeology and ecology); pollution monitoring.

Director : M.J.J.E. Loonen
Staff : P. Jordan, F. Steenhuisen, F. Kruse, L. Hacquebord
Participants : M. Koeweiden (student)
Cooperation : Willem Barents Polar Institute (WBPI), Royal Dutch Navy
Note : This was an inter-disciplinary expedition to Jan Mayen Island involving the Willem Barentz Polar Institute and the Royal Dutch Navy.

United Kingdom, 28 August — 21 September. Archival research throughout the UK.

Director : F. Kruse
Staff : F. Kruse
Participants : F. Kruse

Cooperation : F. Kruse (RUG)

Svalbard, Norway**United Kingdom**, 28 August — 21 September. Archival research throughout the UK.

Director : F. Kruse
Staff : F. Kruse
Participants : F. Kruse
Cooperation : F. Kruse (RUG)

Zooarchaeology

Gordion, Turkey, 14 — 19 June. Archaeozoological Field Study of Late Bronze Age-Medieval tell site of Gordion/Yassihöyük.

Director : C. Çakırlar
Staff : C. Çakırlar
Participants : R. Breider (ReMA student)
Cooperation : B. Rose (University of Pennsylvania and Museum), J. Marston (Boston University)
Note : This year we completed the study of a sufficient sample of Roman period animal remains for the analysis of sustainable agricultural methods in the Roman times together with the site's archaeobotanists. We also made a quick archaeozoological assessment of the Late Bronze Age-Iron deposits unearthed during the 2014 season. Moreover, we started to study the animal burials found in Tumulus E by G. Young in mid-20th century.

Kaymakçı, Gygaia, Manisa, Turkey, 3 — 10 June. Archaeozoological Field Study of Bronze Age site of Kaymakçı.

Director : C. Çakırlar
Staff : C. Çakırlar
Participants : C. Çakırlar
Cooperation : C. Roosevelt (Boston University, USA), S. Ünlüsoy (Yaşar University, Turkey)
Note : Kaymakçı is a fortified hilltop settlement dating to the Bronze Age. Excavations at the site, which started in 2014, gives GIA archaeozoologists (staff + students) the opportunity to study a unique protohistoric assemblage with new archaeozoological methods for the first time in western Turkey from the start of an archaeological fieldwork project.

Aşıklı Höyük, Turkey, 10 July — 10 August. Archaeozoological Field Study of Epi-Palaeolithic/Neolithic site of Aşıklı Höyük.

Director : H. Buitenhuis
Staff : M. Özbaşaran (Istanbul University)
Participants : H. Buitenhuis
Cooperation : M. Stiner (University of Arizona) G. Duru (independent researcher)
Note : In the summer of 2014 archaeozoological work was undertaken on the site of Asikli Hoyuk in the period between 10 July and 10 August.

In the past a large amount of animal remains have been analysed from a standpoint of diachronic changes between the period 7950-7350 cal BC. This summer the material from the south part of the settlement was partly analysed.

Klazomenai, 26 July – 21 August. Archaeozoological study of Iron Age coastal city.

Director : C. Çakırlar
Staff : C. Çakırlar
Participants : R. Breider (ReMA student)
Cooperation : Y. Ersoy(Hitit University)

Activities

Editorial activity

Archaeological Dialogues

Sofia Voutsaki (Editorial board member), Greek Archaeology
Advisory Board member, Archaeological Dialogues (2009-2014)

Archeologie

Hans Peeters (Editor), Pre- and Protohistory

Ardea

Maarten Loonen (Editorial board member), Arctic and Antarctic studies
webmaster <http://ardea.nou.nu>

FORMA URBIS. Itinerari nascosti di Roma antica.

Tymon de Haas (Guest editor), Classical and Mediterranean Archaeology

Past Landscapes. Questioning function and meaning

Daan Raemaekers (Editor), Pre- and Protohistory
Editor of book containing 10 papers by Research Master students.

Journal of Archaeology in the Low Countries

Stijn Arnoldussen (Editor), Pre- and Protohistory

Levant

Canan Çakırlar (Guest editor), Pre- and Protohistory

Limosa

Maarten Loonen (Editor), Arctic and Antarctic studies
Webmaster <http://limosa.nou.nu>

Nederlandse Ornithologische Unie

Maarten Loonen (Editor), Arctic and Antarctic studies
Webmaster <http://www.nou.nu>

Netherlands Journal of Geosciences

Hans Peeters (Editorial board member, Guest editor), Pre- and Protohistory
Special issue on North Sea Submerged Landscapes and Prehistory, co-edited with K.M. Cohen

Open Quaternary

Canan Çakırlar (Editorial board member), Pre- and Protohistory

Palaeohistoria

Peter Attema (Editorial board member), Classical and Mediterranean Archaeology
Erwin Bolhuis (Editorial board member)
Reinier Cappers (Editorial board member), Pre- and Protohistory
Annette Hansen (Editorial board member)
Miriam Los-Weijns (Editorial board member)
Hans Peeters (Editorial board member), Pre- and Protohistory
Wietske Prummel (Editorial board member), Pre- and Protohistory
Daan Raemaekers (Editorial board member), Pre- and Protohistory
Sofia Voutsaki (Editorial board member), Greek Archaeology

Paleo-aktueel

Stijn Arnoldussen (Editorial board member), Pre- and Protohistory
Annette Hansen (Editorial board member)
Hans Peeters (Editorial board member), Pre- and Protohistory
Daan Raemaekers (Editorial board member), Pre- and Protohistory
André van Holk (Editorial board member), Pre- and Protohistory
Reinier Cappers (Editorial board member), Pre- and Protohistory
Johan Nicolay (Editorial board member), Pre- and Protohistory

Daniël Postma (Editorial board member), Pre- and Protohistory
Albertus Nijboer (Editorial board member), Classical and Mediterranean Archaeology
Martijn van Leusen (Editorial board member), Classical and Mediterranean Archaeology
Peter Attema (Editorial board member), Classical and Mediterranean Archaeology
Elisabeth van 't Lindenhout (Editorial board member), Classical and Mediterranean Archaeology
Sarah Willemsen (Editorial board member), Groningen Institute of Archeology
Tymon de Haas (Editorial board member), Classical and Mediterranean Archaeology

Pharos. Journal of the Netherlands Institute at Athens

Sofia Voutsaki (Editorial board member), Greek Archaeology
Member of Advisory Board (2011- 2015)

Nieuwe Encyclopedie van Fryslân

Gilles de Langen (Editorial board member), Pre- and Protohistory

Tijdschrift voor Mediterrane Archeologie

Sarah Willemsen (Editorial board member) (2005-2014)
Tamara Dijkstra (Editorial board member), Greek Archaeology (2012-2014)
Jorn Seubers (Editorial board member), Classical and Mediterranean Archaeology (2011-2014)

Publication peer-review

Antiquity

Peter Attema (Peer reviewer), Classical and Mediterranean Archaeology

Environmental Archaeology

Hans Peeters (Peer reviewer), Pre- and Protohistory

Journal of Quaternary Science

Hans Peeters (Peer reviewer), Pre- and Protohistory

Public lecture/debate/seminar

De Romeinse Tijd

Annet Nieuwhof (Lecturer), Pre- and Protohistory
External organisation: AWN course archaeology
Date: 23-Jan-2014

Introduction fieldwork Sneek-Harinxmaland

Marco Bakker (Presenter), Pre- and Protohistory
Introduction course for students and volunteers about the research and fieldwork in 2014.
Date: 13-Feb-2014

De levenden en de doden. Het grafritueel in het terpen- en wierdengebied, 600 v.C.-300 n.C.

Annet Nieuwhof (Speaker), Pre- and Protohistory
External organisation: Historische kring Wijnaldum
Date: 28-Feb-2014

Lecture on geese

Maarten Loonen (Presenter), Arctic and Antarctic studies
External organisation: IVN instituut voor natuureducatie en duurzaamheid
Date: 4-Mar-2014

Wonen in een dynamisch landschap. De terpbewoners van oostelijk Friesland

Annet Nieuwhof (Speaker), Pre- and Protohistory
External organisation: Lezingen De Schierstins Veenwouden
Date: 7-Mar-2014

Foro Appio: le ricerche archeologiche dell'Università di Groningen (Olanda) a Borgo Faiti.

Tymon de Haas (Speaker), Classical and Mediterranean Archaeology
External organisation: Parocchio di Borgo Faiti
Date: 17-Mar-2014

Openbaar Slotsymposium Land van Ontdekkingen

Annet Nieuwhof (Organiser), Pre- and Protohistory
Event: Programma Land van Ontdekkingen
Date: 22-Mar-2014

Talk at Vriendendag Stichting Vrienden van het KNIR

Tymon de Haas (Speaker), Classical and Mediterranean Archaeology
Van Appius Claudius tot Mussolini: archeologisch onderzoek naar de ontginningsgeschiedenis van de Pontijnse moerassen
Date: 12-Apr-2014

Lecture on geese for Vogelwerkgroep Alkmaar

Maarten Loonen (Presenter), Arctic and Antarctic studies
External organisation: Vogelwerkgroep Alkmaar
Date: 16-Apr-2014

De Zodenboerderij van Firdgum. Vroegmiddeleeuwse huizenbouw in het Friese kustgebied.

Daniël Postma (Speaker), Pre- and Protohistory
External organisation: Boerderijstichting Fryslân
Date: 25-Apr-2014

Television program: Bynt

Marco Bakker (Interviewee), Pre- and Protohistory
External organisation: Omrop Fryslân
Date: 17-Jun-2014

Ezinge, de eerste 800 jaar. De resultaten van het onderzoek van het vondstmateriaal

Annet Nieuwhof (Invited speaker), Pre- and Protohistory
Event: 12 Provinciën lezing
Date: 27-Jun-2014

Open Dag teropgraving Sneek-Harinxmaland

Marco Bakker (Organiser), Pre- and Protohistory
Event: Open day: excavation Sneek-Harinxmaland
Date: 28-Jun-2014

Open Day. Ayios Vasilios excavations

Sofia Voutsaki (Speaker), Greek Archaeology
Event: Open Day, Ayios Vasilios excavations
Date: 26-Jul-2014

Open Dag opgraving Wommels-Stapert 2014

Theun Varwijk (Organiser), Pre- and Protohistory
Event: Open Dag opgraving Wommels-Stapert 2014
Date: 30-Aug-2014

Open Dag opgraving Wommels-Stapert 2014

Theun Varwijk (Speaker), Pre- and Protohistory
Open Dag opgraving Wommels-Stapert 2014
Event: Open Dag opgraving Wommels-Stapert 2014
Date: 30-Aug-2014

Lecture on geese for Faunabescherming

Maarten Loonen (Presenter), Arctic and Antarctic studies
External organisation: Faunabescherming jaarvergadering
Date: 1-Sep-2014

Public lecture

Frigga Kruse (Host), Arctic and Antarctic studies
"Was machst Du denn jetzt eigentlich? Eine Möreler Polarforscherin packt aus"
Event: Polarnacht in Mörel

Date: 19-Sep-2014

Book presentation: En dan in hun geheel. De vondsten uit de opgravingen in de wierde Ezinge

Annet Nieuwhof (Speaker), Pre- and Protohistory

Event: Dag van de Groninger Geschiedenis

Date: 4-Oct-2014

Lecture Alumni Day Ubbo Emmius Fonds

Maarten Loonen (Presenter), Arctic and Antarctic studies

Event: Alumnidag Ubbo Emmius Fonds

Date: 4-Oct-2014

Veldwerk op twee Romeinse wegstations langs de Via Appia: voorlopige resultaten van het Minor Centres-project.

Gijs Tol (Speaker), Classical and Mediterranean Archaeology

Lecture for Boreas (student organization Classics Department, University of Groningen)

External organisation: Boreas (student organisation Classics Department, University of Groningen)

Date: 13-Nov-2014

Lecture about geese in Epe

Maarten Loonen (Presenter), Arctic and Antarctic studies

External organisation: KNNV Koninklijke Nederlandse Natuurhistorische Vereniging

Date: 27-Nov-2014

Media article or participation

Science Shops -400 Vragen

Canan Çakirlar (Interviewee)

Pre- and Protohistory

External organisation: Groningen University 400 year celebrations

Date: 2014

<http://www.rug.nl/science-and-society/science-shops/vraag-5-beta>

NTR Buitendienst van nieuws uit de natuur: ganzen

Maarten Loonen (Interviewee)

Arctic and Antarctic studies

External organisation: NTR Buitendienst van Nieuws uit de Natuur

Date: 14-Nov-2014

<http://www.nieuwsuitdenatuur.nl/afleveringen/ganzen/>

Radio interview on waterschepen and beurtschip

André van Holk (Interviewee)

Pre- and Protohistory

Radio interview on waterschepen and beurtschip

External organisation: NTR-Academie

Date: 17-Mar-2014

Archaeologist Canan Cakirlar's Music Playlist

Canan Çakirlar (Interviewee)

Pre- and Protohistory

External organisation: Universiteitskrant

Date: 23-Apr-2014

<http://www.ukrant.nl/cultuur/what-music-does-archaeologist-canan-cakirlar-listen-to.html>

Radio interview excavation shipwreck OR 49

André van Holk (Interviewee)

Pre- and Protohistory

Radio interview excavation shipwreck OR 49

External organisation: Tros radio

Date: 9-Aug-2014

The birth of Britain

Hans Peeters (Contributor)

Pre- and Protohistory

Interview on the submergence and prehistoric occupation of the North Sea basin for a film in the science film series Horizon

External organisation: BBC

Date: 20-Nov-2014

Work on advisory panels for social community and cultural engagement

Scientific advisor

Annet Nieuwhof (Member)

Pre- and Protohistory

External organisation: Drents Prehistorische Vereniging

Date: 1-Oct-2014 → ...

Schools engagement

Guest lesson Scuola Elementare Borgo Pasubio

Tymon de Haas (Speaker)

Classical and Mediterranean Archaeology

Date: 13-Mar-2014

Guided tour and talk for elementary school pupils from 'O.B.S. De Springplank' of Siddeburen

Gert van Oortmerssen (Speaker)

Groningen Institute of Archeology

Gert van Oortmerssen gave a tour of the Laboratory and taught the pupils about his work and the importance of archaeological restoration and conservation.

Date: 14-Apr-2014

Guided tour and talk for elementary school pupils from 'O.B.S. De Springplank' of Siddeburen

Sarah Willemsen (Organiser)

Classical and Mediterranean Archaeology

Date: 14-Apr-2014

Lecture on research at Willem Lodewijk Gymnasium

Maarten Loonen (Presenter)

Arctic and Antarctic studies

External organisation: Willem Lodewijk Gymnasium, Groningen

Date: 6-May-2014

Beroepskeuze Bioloog

Maarten Loonen (Speaker)

Arctic and Antarctic studies

External organisation: Augustinus College

Date: 17-Nov-2014

Lecture 'De Nederlandse hunebedden' given to three groups of 250 children aged 10-11 years, as part of the UoG programme 'Kinderuniversiteit'

Daan Raemaekers (Lecturer)

Pre- and Protohistory

Event: Kinderuniversiteit University of Groningen

Date: 24-Nov-2014

Festival/Exhibition

APECS Netherlands poster presentations

Frigga Kruse (Organiser)

Arctic and Antarctic studies

APECS Netherlands poster presentations

Event: Pool tot Pool Publieksdag

Date: 15-Mar-2014

Prize (including medals and awards)

Grant for proposal 'Bedreigd erfgoed: de archeologische kartering van Forum Appii (Lazio, Centraal-Italië)'

Tymon de Haas (Recipient)
Classical and Mediterranean Archaeology
External organisation: Gratama Stichting
Date: 2014

Early Iron Age society: isotopic analysis of human remains from Pharsalus, Greece

Eleni Panagiotopoulou (Recipient)
Greek Archaeology
External organisation: The Institute for Aegean Prehistory
Date: 2014

The transition from the Bronze Age to the Iron Age in Greece: isotopic analysis of skeletal remains from sites of central Greece

Eleni Panagiotopoulou (Recipient)
Greek Archaeology
External organisation: Stichting Philologisch Studiefonds Utrecht
Date: 2014

The beginning of the Early Iron Age: isotopic analysis of skeletal remains from the cemetery of Voulokaliva, ancient Halos, Greece

Eleni Panagiotopoulou (Recipient)
Greek Archaeology
External organisation: The Institute for Aegean Prehistory
Date: 2014

Cum laude PhD

Mans Schepers (Recipient)
Pre- and Protohistory
Event: PhD Defense 26/06/2014
Date: 15-May-2014

Election to learned society

Member of the Norwegian Scientific Academy for Polar Research

Maarten Loonen (Recipient)
Arctic and Antarctic studies
External organisation: Norwegian Scientific Academy for Polar Research
Date: 6-Jan-2014

Fellowship awarded competitively

NIA Ontwikkelingsbeurs 2014

Tamara Dijkstra (Recipient)
Greek Archaeology
External organisation: Netherlands Institute Athens
Date: 2014

Stichting Philologisch Studiefonds Utrecht Stipendium 2014

Tamara Dijkstra (Recipient)
Greek Archaeology
External organisation: Stichting Philologisch Studiefonds Utrecht
Date: 2014

Thessalika Erga Travel Grant for Archaeological Fieldwork 2014

Tamara Dijkstra (Recipient)

Greek Archaeology
External organisation: Thessalika Erga
Date: 2014

Associate Lab Fellowship

Olivia Jones (Recipient)
Greek Archaeology
External organisation: Wiener Laboratory of the American School of Classical Studies at Athens
Date: 15-Aug-2014 → 15-Dec-2014

Awarded Conference Subsidy

Olivia Jones (Recipient)
Greek Archaeology
External organisation: ARCHON-Research School of Archaeology
Date: 24-Apr-2014

Other distinction

Grant of the Curtiss T. & Mary G. Brennan Foundation

Corien Wiersma (Recipient)
Greek Archaeology
External organisation: Curtiss T. & Mary G. Brennan Foundation
Date: 2014

Membership of public/government advisory/policy group or panel

ACAWA Council Deputy Member

Eleni Panagiotopoulou (Member)
Greek Archaeology
Date: 2013 → 2014
External organisation: Association of Conservators of Antiquities and Works of Art

Board Member Stichting Vrienden van het KNIR

Tymon de Haas (Member)
Classical and Mediterranean Archaeology
Date: 2014
External organisation: Stichting Vrienden van het KNIR

BSA Sporadic Member

Eleni Panagiotopoulou (Member)
Greek Archaeology
Date: 2012 → 2014
External organisation: British School at Athens

Diocesane Commissie voor Kerkinrichting en Kerkelijk Kunstbezit van het Bisdom Groningen-Leeuwarden (DCKKK)

Albertus Nijboer (Member)
Classical and Mediterranean Archaeology
Date: 2014 → ...
External organisation: Diocesane Commissie voor Kerkinrichting en Kerkelijk Kunstbezit van het Bisdom Groningen-Leeuwarden

ICOM Member

Eleni Panagiotopoulou (Member)
Greek Archaeology
Date: 2014 → ...
External organisation: International Committee of Museums (ICOM)

PhD Council Member

Eleni Panagiotopoulou (Member)
Greek Archaeology

Date: 2014 → ...

External organisation: PhD Council of the Graduate School for the Humanities

Wetenschappelijke begeleidingscommissie Vogelbescherming

Maarten Loonen (Member)

Arctic and Antarctic studies

Date: 2014

External organisation: Vogelbescherming Nederland

Hosting of external, non-academic visitor

Bespreking Arne O'Donoghue, NL ambassade Oslo

Maarten Loonen (Member)

Arctic and Antarctic studies

Date: 13-Mar-2014

External organisation: Noorse ambassade

Meeting with Arctic oil drilling group

Maarten Loonen (Host)

Arctic and Antarctic studies

Date: 19-May-2014

External organisation: Shell Int Ltd

Joint or sponsored appointments or secondments with industry or commerce

Specialist advice on medieval house plans from Ureterp-De Mersken (Fr.)

Daniël Postma (Advisor)

Pre- and Protohistory

Date: 16-May-2014

External organisation: RAAP Noord Nederland

Consultancy (in kind)

Specialist advice on early medieval buildings

Daniël Postma (Advisor)

Pre- and Protohistory

Date: 8-Oct-2014

External organisation: Mennens Archeo Advies

Participation in conference

Across the North Sea. North Sea Connections from 400 AD into the Viking Age. Second Interdisciplinary Symposium on Runes and Related topics in Frisia

Johan Nicolay (Speaker)

Pre- and Protohistory

Power and identity in the southern North Sea area

Date: 7-Jun-2014

American Geophysical Union

Peter Jordan (Chair)

Arctic and Antarctic studies

We are running a session on Culture and Arctic Climate Change using IASC funds

Date: 15-Dec-2014

Annual Meeting of the Archaeological Institute of America

Olivia Jones (Speaker)

Greek Archaeology

Gave short presentation of PhD proposal in the Lightning session.

Date: 9-Jan-2014

Annual meeting of the Society for American Archaeology

Hans Peeters (Organiser)
Pre- and Protohistory
Discussion forum on Error, sensitivity analysis and uncertainty in archaeological computational modeling.
Date: 23-Apr-2014 → 26-Apr-2014

Olivia Jones (Invited speaker)
Greek Archaeology
Invited and gave a full presentation on an aspect of my PhD research.
Date: 24-Apr-2014

APECS Netherlands Symposium Den Haag

Margje de Jong (Speaker)
Arctic and Antarctic studies
Talk: Are barnacle geese (*Branta leucopsis*) too successful for their own good?
Date: 4-Nov-2014

Archaeological questions, isotopic answers?

Eleni Panagiotopoulou (Speaker)
Greek Archaeology
Date: 30-Jan-2014 → 31-Jan-2014
<http://www.archonline.nl/news/30-31-january-2014-archaeological-questions-isotopic-answers>

Archaeology Today: challenges, approaches, ethics

Daan Raemaekers (Speaker)
Pre- and Protohistory
The Pitfall of Dutch Archaeology Re-establishing the societal relevance of archaeology in the Netherlands
Date: 22-Apr-2014

ARCHON Day

Yftinus van Popta (Invited speaker)
Pre- and Protohistory
Date: 8-Apr-2014

Arctic Frontiers Conference 2014

Frigga Kruse (Member of programme committee)
Arctic and Antarctic studies
APECS representative on the Scientific Steering Committee
Date: 19-Jan-2014 → 24-Jan-2014

Beyond Archaeology. Sharing responsibility for a communal interest

Daan Raemaekers (Organiser)
Pre- and Protohistory
Date: 29-Oct-2014

Daan Raemaekers (Speaker)
Pre- and Protohistory
Date: 29-Oct-2014

Boeren vanaf de prehistorie. Ontwikkeling van het boerenbedrijf door de eeuwen heen. Studiedag Noord-Brabants Archeologisch Genootschap

Stijn Arnoldussen (Speaker)
Pre- and Protohistory
Van Ard en Akker: de akkerbouw van de Nederlandse Metaaltijden
Date: 6-Apr-2014

Book presentation

Gilles de Langen (Organiser)
Pre- and Protohistory
Book presentation Johan Nicolay
Date: 2-Dec-2014

Johan Nicolay (Speaker)
Pre- and Protohistory
Book presentation Johan Nicolay
Date: 2-Dec-2014

Building Ancient Lives : COLLOQUIUM 2014

Stijn Arnoldussen (Invited speaker)
Pre- and Protohistory
I'm not leaving this mud! Bronze Age habitation of the Dutch river area
Date: 6-Oct-2014

CAA third joint chapter meeting

Yftinus van Popta (Invited speaker)
Pre- and Protohistory
Date: 4-Oct-2014

Conference in honour of Anthony Snodgrass

Sofia Voutsaki (Chair)
Greek Archaeology
Chair at conference session. Conference in honour of Anthony Snodgrass
Date: 7-Nov-2014

Convegno Centri fortificati indigeni della Calabria dalla Protostoria all'età Ellenistica

Francesca Ippolito (Speaker)
Classical and Mediterranean Archaeology
The Raganello Archeological Project. Long term settlement development in the hinterland of the Sibaritide
Date: 16-Jan-2014 → 17-Jan-2014

Current Research in Egyptology XV: Ancient Egypt in a Global World

Frits Heinrich (Speaker)
Classical and Mediterranean Archaeology
Title: The Farming Regimes of Egypt: Agricultural strategies and crop selection
Date: 9-Apr-2014 → 12-Apr-2014

Deutsche Ornithologische Gesellschaft Gaense tagung

Maarten Loonen (Invited speaker)
Arctic and Antarctic studies
Date: 18-Oct-2014

Dutch Research in the Mediterranean and the Near East

Sofia Voutsaki (Invited speaker)
Greek Archaeology
Paper entitled: Ayios Vasilios: the palace, the cemetery and the financial crisis
Date: 31-Jan-2014

Ecology of infectious diseases in natural populations

Maarten Loonen (Invited speaker)
Arctic and Antarctic studies
Iezing Parasitic infections and host consequences: a study in barnacle geese
Date: 7-Oct-2014

European Association of Archaeologists Annual Meeting

Chairs

Tymon de Haas
Classical and Mediterranean Archaeology
Chair (with Kevin Walsh and Anthony Brown) of Session entitled "Human environment interfaces: assessing the use of palaeoenvironmental information in mediterranean landscape archaeology"
Date: 13-Sep-2014

Lidewijde de Jong
Greek Archaeology
Chair and co-organizer with B. Hürmüzü (Isparta) of panel 'The impact of Empire: memory and interaction in Hellenistic and Roman Pisidia'
Date: 10-Sep-2014 → 13-Sep-2014

Speakers

Tymon de Haas
Classical and Mediterranean Archaeology
Man - environment interaction and wetland exploitation in Roman Italy: towards an integrated approach.
Date: 13-Sep-2014

Olivia Jones
Greek Archaeology
Date: 13-Sep-2014

Lidewijde de Jong
Greek Archaeology
'Global/local identities: funerary practices and commemoration in Roman Pisidia', co-presentation with Dies van der Linde
Date: 11-Sep-2014

Expertmeeting Leemtenlijst Drentse Geschiedenis

Daan Raemaekers (Invited speaker)
Pre- and Protohistory
Van kennisleemten naar kennisnetwerk: de toekomst van de Drentse archeologie
Date: 13-Jun-2014

GIA Research Day (12-Dec-2014)

Organisers

Martijn van Leusen
Classical and Mediterranean Archaeology
Johan Nicolay
Pre- and Protohistory

Speakers

Peter Attema
Classical and Mediterranean Archaeology
Introduction "Beyond Borders"
Marco Bakker
Pre- and Protohistory
Grootschalige ontginningen omstreeks het begin van de jaartelling rond Wartena (Fr.).
Sarah Dresscher (Speaker)
Arctic and Antarctic studies
Surviving off the land and sea: understanding the expansion of European commercial hunting systems into the High Arctic
Tymon de Haas
Classical and Mediterranean Archaeology
Het 'Minor Centers Project': een tussenbalans.
Martijn van Leusen
Classical and Mediterranean Archaeology
with Wieke de Neef : Steekproef uit de Bronstijd. Onderzoek naar verborgen archeologische landschappen in Zuid-Italië.
Wieke de Neef
Classical and Mediterranean Archaeology
Steekproef uit de Bronstijd. Onderzoek naar verborgen archeologische landschappen in Zuid-Italië
Yftinus van Popta
Pre- and Protohistory
Gijs Tol

Classical and Mediterranean Archaeology
Het Minor Centers project: een tussenbalans
Theun Varwijk
Pre- and Protohistory
Opgraving Wommels-Stapert 2014 en de ruimtelijke ontwikkeling van terpen in het Fries-Groningse kweldergebied

International Congress on the Archaeology of the Ancient Near East (ICAANE)

Lidewijde de Jong (Speaker)
Greek Archaeology
Empires and Palmyra: a view from the tombs
Date: 10-Jun-2014

International Mediterranean Survey Workshop

Martijn van Leusen (Organiser)
Classical and Mediterranean Archaeology
Date: 21-Nov-2014 → 22-Nov-2014

Peter Attema (Chair)
Classical and Mediterranean Archaeology
Date: 20-Nov-2014

Wieke de Neef (Speaker)
Classical and Mediterranean Archaeology
The Rural Life project fieldwork 2011-2014: overview and preliminary results
Date: 22-Nov-2014

Kroon-Voordracht

André van Holk (Keynote/plenary speaker)
Pre- and Protohistory
Kroon lezing, lecture about maritime archaeology in the Netherlands.
Date: 14-Mar-2014

Landscape Archaeology Conference (18-Sep-2014)

Speakers

Peter Attema
Classical and Mediterranean Archaeology
Results of Integrated landscape Surveys at Ancient Crustumium
Tymon de Haas and Gijs Tol
Classical and Mediterranean Archaeology
An integrated approach to the socio-economic development of the Pontine Region (Lazio, Central Italy) in the Roman period
Jorn Seubers
Classical and Mediterranean Archaeology
Results of Integrated Landscape Surveys at Ancient Crustumium

Lazio e Sabina

Tymon de Haas and Gijs Tol (Speakers)
Classical and Mediterranean Archaeology
Ricerche archeologiche non-invasive nella pianura pontina. I casi di Forum Appii ed Ad Medias.
Date: 6-Jun-2014

Metaaltijdendag

Stijn Arnoldussen (Organiser)
Pre- and Protohistory
Date: 18-Oct-2014
<http://www.metaaltijden.nl> (Website Stichting Metaaltijdenonderzoek Nederland)
Stijn Arnoldussen (Speaker)
Pre- and Protohistory

Het Celtic field van Someren - De Hoenderboom
Date: 18-Oct-2014

Metaphysis. Ritual, Myth and Symbolism in the Aegean Bronze Age

Sofia Voutsaki (Chair)
Greek Archaeology
Participnat and Chair.
Date: 22-Apr-2014 → 24-Apr-2014

Sofia Voutsaki (Speaker)
Greek Archaeology
Speaker and Chair.
Date: 22-Apr-2014 → 24-Apr-2014

NINO-Jubileum Congres - Zagros

Lidewijde de Jong (Invited speaker)
Greek Archaeology
Imperial landscapes in the Erbil Plain: the Hellenistic and Parthian/Roman periods
Date: 1-Dec-2014

NPAP Final Conference

Peter Attema (Invited speaker)
Classical and Mediterranean Archaeology
Why survey projects cannot do without pottery specialists
Date: 13-Dec-2014

Promovendi in de polder

André van Holk (Organiser)
Pre- and Protohistory
An overview of a selection of PhD research going on in the province of Flevoland
Date: 27-Nov-2014

Yftinus van Popta (Invited speaker)
Pre- and Protohistory
Date: 27-Nov-2014

Rei Cretariae Romanae Fautores

Tymon de Haas and Gijs Tol (Speakers)
Classical and Mediterranean Archaeology
Fora, Stationes and Sanctuaries: the Role of Minor Centres in the Economy of Roman Central Italy. Local Pottery Production in the Pontine region' : Local Pottery Production in the Pontine Region, Central Italy.
Date: 26-Sep-2014

Repertoires of Rule (ERC Workshop)

Peter Attema (Invited speaker)
Classical and Mediterranean Archaeology
The 'Distant chora of Chersonessos
Date: 30-Apr-2014

Reuwendagen

Stijn Arnoldussen (Speaker)
Pre- and Protohistory
Archeologische verwachtingskaart uiterwaarden rivierengebied
Date: 30-Nov-2014

Roman Archaeology Conference

Tymon de Haas (Speaker)
Classical and Mediterranean Archaeology
Surveying South Lazio: approaches, results and debates
Date: 2014

Martijn van Leusen (Speaker)
Classical and Mediterranean Archaeology
Hidden Landscapes of South Lazio. In session: Early Latium: a theoretical and methodological laboratory for excavation, survey, and material culture analysis
Date: 28-Mar-2014

Schluss Symposium Land der Entdeckungen

Daan Raemaekers (Invited speaker)
Pre- and Protohistory
Begraven in een hunebed. De omgang met doden ongeveer 5000 jaar geleden
Date: 22-Mar-2014

Hendrik Groenendijk (Speaker)
Pre- and Protohistory
Die Suche nach dem verschollenen Großsteingrab G4 auf dem Onner Esch
Date: 22-Mar-2014

Second Dorestad Congress. The early-medieval Netherlands in an international Framework

Johan Nicolay (Speaker)
Pre- and Protohistory
Royalty in Frisia
Date: 4-Jul-2014

Symposium: 'A theoretical approach to ancient housing'

Elisabeth van 't Lindenhout (Speaker)
Classical and Mediterranean Archaeology
From Huts to Houses: Changes in architecture and social organization
Date: 24-Apr-2014

Symposium Romeinse tijd ten noorden van de Limes

Marco Bakker (Invited speaker)
Pre- and Protohistory
I presented a lecture called: De vroegste veenontginningen in Friesland
Date: 14-Nov-2014
<https://www.youtube.com/watch?v=el6PB3Nk-6I> (Public video of the presentation)
<http://archeologiein nederland.nl/agenda/symposium-romeinse-tijd-ten-noorden-van-de-limes> (Program of the symposium)

The Archaeology of Empires Repertoires of Rule

Lidewijde de Jong (Invited speaker)
Greek Archaeology
'Living on the Edge: the Roman Empire in the North Mesopotamian Steppe'
Date: 12-Apr-2014

TMA / Digital Archaeology symposium

Jorn Seubers (Organiser)
Classical and Mediterranean Archaeology
Date: 19-Dec-2014

UISPP (1-Sep-2014 → 7-Sep-2014)

Chair

Wieke de Neef
Classical and Mediterranean Archaeology
Detecting the Landscape(s) - Remote Sensing Techniques from Research to Heritage Management

Speakers

Hans Peeters
Pre- and Protohistory

Twenty metres deep! The Mesolithic period at the site Yangtze Harbour in the Rotterdam Maasvlakte, the Netherlands. Early Holocene landscape development and habitation

Martijn van Leusen

Classical and Mediterranean Archaeology

The CALEROS erosion simulation pilot (with Hendrik Feiken and Rens van Beek). In session B4: Climate change and social change during the Late Holocene.

Martijn van Leusen

Classical and Mediterranean Archaeology

Research Tools for Regional Quality Assessment and Protection. In session A15b: Management and use of science data from preventive archaeology: quality control.

Martijn van Leusen

Classical and Mediterranean Archaeology

Site Detection in the Apennines: two case studies with methodological implications. In session A6a: Human occupation in mountain environments.

Martijn van Leusen

Classical and Mediterranean Archaeology

Towards 3D GIS. Report on the status quo with respect to fully three-dimensional GIS representations in archaeological GIS (with Serge van Gessel). In session A4b: The scientific value of 3D archaeology.

Martijn van Leusen and Wieke de Neef

Classical and Mediterranean Archaeology

Devilish : Fine-tuning survey techniques for ephemeral sites. In session A12: Detecting the landscape(s): Remote Sensing Techniques from Research to Heritage Management.

Martijn van Leusen and Wieke de Neef

Classical and Mediterranean Archaeology

Archaeological field survey goes interdisciplinary! In session B9: Staring at the ground: archaeological survey in the 21st century.

Walvisvaart Symposium

Frigga Kruse (Invited speaker)

Arctic and Antarctic studies

Verslag van de Jan Mayen expeditie 2014

Date: 31-Oct-2014

XVII International Congress of Prehistoric and Protohistoric Sciences

Francesca Ippolito (Speaker)

Classical and Mediterranean Archaeology

Contextualization of funerary evidence from the cave Sant'Angelo IV, Northeastern Calabria, Italy

Date: 2014

20th Meeting of European Association of Archaeologists

Canan Çakırlar (Speaker)

Pre- and Protohistory

Talk: Of tunas and cockles: Aquatic foraging as maritime engagement in prehistoric Aegean (with Ç. Çilingiroglu)

In Session: Who is on Board? Maritime Perspectives on the Prehistoric Aegean.

Date: 2014

Sofia Voutsaki (Speaker)

Greek Archaeology

Paper entitled: Commingles burials and shifting notions of the self at the onset of the Mycenaean era (1700-1600 BC): the case of Ayios Vasilios northern cemetery; Laconia

Date: 10-Sep-2014 → 14-Sep-2014

Sofia Voutsaki (Speaker)

Greek Archaeology

Paper entitled: Special burials, deviant burials and changing norms: a case-study from Mycenaean Greece, 1600 BC

Date: 10-Sep-2014 → 14-Sep-2014

21st Annual Meeting of the European Association of Archaeologists

Daniël Postma (Organiser)

Pre- and Protohistory

Organising a session titled: Raising the roof: reconstructing timber architecture from archaeological evidence.

Date: Oct-2014 → Sep-2015

3rd Landscape Archaeology Conference

Martijn van Leusen (Member of programme committee)

Classical and Mediterranean Archaeology

Member of Scientific Board and chair of the Student Poster Prize committee

Date: 16-Sep-2014 → 20-Sep-2014

9. International Congress of Archaeology of the Ancient Near East (ICAANE)

Canan Çakırlar (Chair)

Pre- and Protohistory

Workshop: Artefacts made out of bone and related materials: Manufacture, typology and use (with Hermann Genz).

Date: Jun-2014

Canan Çakırlar (Speaker)

Pre- and Protohistory

Talk: Elephants of Syria and their relationship to ivory in the LBA

Date: Jun-2014

Participation in workshop, seminar, course

Acceptance of first copy of 'Ezinge. IJkpunt in de Nederlandse archeologie

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 6-Nov-2014

AIV Adviesraad Internationale Vraagstukken Arctisch

Maarten Loonen (Participant)

Arctic and Antarctic studies

Date: 28-Nov-2014

AMAP Working Group Meeting WG28

Frits Steenhuisen (Participant)

Arctic and Antarctic studies

Date: 16-Sep-2014 → 18-Sep-2014

ARCHON Board meeting

Daan Raemaekers (Chair)

Pre- and Protohistory

Date: 10-Sep-2014

ARCHON - How to become a PhD

Yftinus van Popta (Invited speaker)

Pre- and Protohistory

This day is organized with the aim to offer information about different PhD-trajectories to RMA-students.

Questions such as what kind of PhD-positions there are, how to apply for these and how to write an application will be discussed.

Date: 1-Dec-2014

ARCHON Day

Frigga Kruse (Invited speaker)

Arctic and Antarctic studies

Developments at the Arctic Centre of Groningen

Date: 8-Apr-2014

ARCHON Workshop

Frigga Kruse (Speaker)

Arctic and Antarctic studies
At World's End: the archaeology of mineral exploration in an Arctic resource frontier region
Date: 3-Apr-2014

Arctic Science Summit Week (ASSW)

Peter Jordan (Participant)
Arctic and Antarctic studies
Date: 4-Feb-2014

Atelier Erfgoedbeleid provincie Flevoland

André van Holk (Participant)
Pre- and Protohistory
Developing Cultural Heritage policy for Flevoland
Date: 2014

AWI scientific planning conference 2014

Maarten Loonen (Speaker)
Arctic and Antarctic studies
Date: 5-Mar-2014

Baikal Hokkaido Archaeology Project (BHAP) Workshop

Peter Jordan (Invited speaker)
Arctic and Antarctic studies
Date: 5-May-2014

Building Ancient Lives

Daniël Postma (Invited speaker)
Pre- and Protohistory
Archaeologists at The University of Edinburgh's are seeking to address issues of sustainability for the built environment, both past and present. This closed workshop was organised as a first step in developing a research project to gather insight into ancient constructions and materials and to find inspiration for sustainable building today. It brought together leading international academics, commercial archaeologists, archaeological scientists, architects and engineers. Planners and local authority archaeologists and heritage managers from Historic Scotland and The National Trust for Scotland also attended.
Date: 25-Apr-2014

CAFF Arctic Migratory Bird Initiative

Maarten Loonen (Participant)
Arctic and Antarctic studies
Date: 9-Feb-2014

CAFF CBIRD group meeting

Maarten Loonen (Participant)
Arctic and Antarctic studies
CAFF CBIRD group meeting
Date: 10-Mar-2014 → 16-Mar-2014

CEES day

Margje de Jong (Participant)
Arctic and Antarctic studies
Centre of Ecological and Evolutionary studies yearly day
Date: 9-Oct-2014

Course: Didactic skills

Tanja van Loon (Participant)
Classical and Mediterranean Archaeology
Organised by the Graduate School for the Humanities, RuG
Date: 15-Jan-2014 → 22-Jan-2014

Course: Didactic skills

Eleni Panagiotopoulou (Participant)

Greek Archaeology
Date: 15-Jan-2014 → 22-Feb-2014

Course: Managing your PhD

Margje de Jong (Participant)
Arctic and Antarctic studies
Date: 30-Oct-2014

Course: Materiaal Practicum (Ba3)

Marco Bakker (Invited speaker)
Pre- and Protohistory
Lecture given to students about handmade pottery from the northern Netherlands
Date: 17-Apr-2014

Course: Materiaal Practicum (Ba3)

Tanja van Loon (Speaker)
Classical and Mediterranean Archaeology
Introduction on pottery studies as guest lecturer in the course "Materiaal Practicum (Ba3)"
Date: 3-Feb-2014

Course: Molecular methods in Ecology & Evolution

Margje de Jong (Participant)
Arctic and Antarctic studies
Date: 3-Nov-2014 → 20-Dec-2014

Course on Laboratory Animal Science

Margje de Jong (Participant)
Arctic and Antarctic studies
The course leads to the legal authority ex. Article 9 of the Law on animal experiments.
Date: 15-Sep-2014 → 3-Oct-2014

CRASIS Ancient World Seminar

Tamara Dijkstra (Organiser)
Greek Archaeology
Date: 2012 → 2015

CRASIS Annual meeting

Tamara Dijkstra (Organiser)
Greek Archaeology
Date: 13-Feb-2014 → 14-Feb-2014

Culture and Arctic Climate Change

Peter Jordan (Invited speaker)
Arctic and Antarctic studies
Date: 13-May-2014

De Twaalf Provinciën Lezingen

Daan Raemaekers (Invited speaker)
Pre- and Protohistory
Het Nieuwe Swifterbant Project
Date: 27-Feb-2014

Dealing with Biases: Geo-archaeological approaches to the Hidden Landscapes of Italy

Peter Attema (Organiser)
Classical and Mediterranean Archaeology
Date: 10-Apr-2014

Digital Humanities Day

Jorn Seubers (Speaker)
Classical and Mediterranean Archaeology
From pick axe to pixel. Enriching archaeological data with processed digital photography

Date: 31-Oct-2014

EDR Historikertreffen

Hendrik Groenendijk (Invited speaker)

Pre- and Protohistory

Archaeological research and community archaeology in the province of Groningen

Date: 14-Nov-2014

Eén-dag-student

André van Holk (Speaker)

Pre- and Protohistory

introduction to maritime archaeology for would-be students

Date: 17-Apr-2014

Expert meeting Cemetery Studies (25-Sep-2014 → 26-Sep-2014)

Organiser

Sofia Voutsaki

Greek Archaeology

Expert meeting Cemetery Studies

Participants

Lidewijde de Jong

Greek Archaeology

Hendrik Groenendijk

Pre- and Protohistory

Daan Raemaekers

Pre- and Protohistory

Faculty of Arts/GSH Introduction

Margje de Jong (Participant)

Arctic and Antarctic studies

Date: 11-Sep-2014

GIA Research Seminar

Jorn Seubers (Participant)

Classical and Mediterranean Archaeology

The urbanisation and ruralisation of Crustumerium, will the real archaeological landscape please stand up?

Date: 6-May-2014

Glenshee Archaeology Project

Daniël Postma (Participant)

Pre- and Protohistory

Working visit to the Perth and Kinross Heritage Trust and Northlight Heritage excavation of early medieval turf-walled buildings at the Spittal of Glenshee in Schotland.

Date: 8-Jun-2014

Handing out first copy of 'The splendour of power'

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 2-Dec-2014

Harvesting the Sea: Aegean Societies and Marine Animals in Context

Canan Çakırlar (Speaker)

Pre- and Protohistory

Talk: The right valve; a synthesis of recent archaeobiological work on the eastern Aegean coast.

Date: 2014

How to make your research a trending topic

Annette Hansen (Participant)

Pre- and Protohistory, English section Language Centre

For Graduate Students

Date: 2014

Humbolt Kolleg Northern Greece and Southeastern Europe during the Neolithic Period: An Interaction Zone

Canan Çakırlar (Speaker)

Pre- and Protohistory

Talk: Intraregional variability in the Izmir area during the Early Neolithic (with Ç. Çilingiroglu)

Date: 2014

InDesign

Eleni Panagiotopoulou (Participant)

Greek Archaeology

Date: 8-Dec-2014

International Mediterranean Survey Workshop (2-May-2014 → 3-May-2014)

Participant

Gijs Tol

Classical and Mediterranean Archaeology

Speakers

Gijs Tol and Tymon de Haas

Classical and Mediterranean Archaeology

The Minor Centres-project: interim results and imminent challenges

International Mediterranean Survey Workshop (21-Nov-2014 → 22-Nov-2014)

Chair

Corien Wiersma

Greek Archaeology

Chair of the session interpretations based on surveyed data

Participant

Gijs Tol

Classical and Mediterranean Archaeology

Speakers

Martijn van Leusen

Classical and Mediterranean Archaeology

with Wieke de Neef: The Rural Life Project fieldwork program 2011-2014:overview and preliminary results

Martijn van Leusen

Classical and Mediterranean Archaeology

with Evelien Witmer: RAP survey experiments 2014: Experimental determination of fieldwalking parameters

Corien Wiersma

Greek Archaeology

Paper: Where Helen of Troy lived. A spatial reconstruction of the palace at Ayios Vasilios

Into the Light: Changing Burial Customs in Central Italy (17-Apr-2014)

Sarah Willemsen (Organiser)

Groningen Institute of Archeology

Peter Attema (Chair)

Classical and Mediterranean Archaeology

Sarah Willemsen (Speaker)

Groningen Institute of Archeology

Date: 17-Apr-2014

Introduction in Adobe Indesign

Tanja van Loon (Participant)

Classical and Mediterranean Archaeology

Date: 8-Dec-2014

Introduction Maritime Archaeology

André van Holk (Speaker)

Pre- and Protohistory

Bachelor course introduction Maritime Archaeology

Date: 2014 → 2015
Introduction of GIA for Saxion students
Daan Raemaekers (Invited speaker)
Pre- and Protohistory
Van Giffen en de Drentse hunebedden
Date: 14-Jan-2014

Invited lecture, University of Belgrade Dept of Archaeology

Canan Çakırlar (Speaker)
Pre- and Protohistory
Neolithisation and earliest livestock in western Turkey
Date: 2014

Invited lecture, University of Belgrade Dept of Archaeology

Daan Raemaekers (Invited speaker)
Pre- and Protohistory
Neolithic Margins? The Swifterbant culture as wetland phenomenon
Date: 24-Jun-2014

Istanbul Archaeological Museums Seminar Series

Canan Çakırlar (Invited speaker)
Pre- and Protohistory
The beginning and development of animal husbandry in western Anatolia: the zooarchaeology of Yenikapi
Date: 2014

Kongsfjorden ecosystem workshop

Maarten Loonen (Participant)
Arctic and Antarctic studies
Kongsfjord ecosystem workshop
Date: 10-Mar-2014 → 16-Mar-2014

Levend Erfgoed. Brainstormsessie

Sofia Voutsaki (Organiser)
Greek Archaeology
Date: 19-Dec-2014

Levend Erfgoed: Dood, rouw, en troost in cultureel perspectief

Sofia Voutsaki (Participant)
Greek Archaeology
Levend Erfgoed Workshop: Dood, rouw, en troost in cultureel perspectief
Date: 20-Jun-2014

MA and Research MA course: Archaeology of Death

Eleni Panagiotopoulou (Speaker)
Greek Archaeology
Date: 2014

MA and Research MA course: Archaeology of Death

Eleni Panagiotopoulou (Participant)
Greek Archaeology
Date: Feb-2014 → May-2014

MA course 'Terps: tells of the north'

Daniël Postma (Invited speaker)
Pre- and Protohistory
Early medieval building traditions in the terp region.
Date: 20-Nov-2014

MA course 'Terps: tells of the north'

Daniël Postma (Participant)
Pre- and Protohistory

Lecture by guest speaker Dr. Olivier Nieuwenhuys (Leiden University) on the excavation of tells in the Near East.
Date: 26-Nov-2014

MA course 'Terps: tells of the north'

Daniël Postma (Participant)

Pre- and Protohistory

Lecture by guest speaker Dr. ir. Hans Huisman (RCE / Cultural Heritage Agency of the Netherlands) on micromorphological research.

Date: 4-Dec-2014

Meer dan archeologie alleen' - (Beyond Archaeology)

Annet Nieuwhof (Participant)

Pre- and Protohistory

Date: 29-Oct-2014

Meeting Advisory Board ADC Archeprojecten

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 30-Jun-2014

Meeting on Dutch archaeology legislation

Mans Schepers (Chair)

Pre- and Protohistory

This national meeting, organised by the Biological Archaeological Platform, consisted of organised discussions in groups on various aspects of new Dutch archaeology legislation, with an emphasis on the role of specialists therein

Date: 14-Oct-2014

Meeting with H. Groenendijk (province of Groningen) and J. Kegler (Ostfriesische Landschaft)

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 2-Sep-2014

Meeting with H. Groenendijk (province of Groningen) and J. Kegler (Ostfriesisches Landschaft)

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 30-Sep-2014

Meeting with H. Groenendijk (province of Groningen) and J. Kegler (Ostfriesisches Landschaft)

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 21-Oct-2014

Meeting with H. Huisman (Dutch State Agency for Cultural Heritage) and N. de Vries (student) on cremated bones from megalithic tombs

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 1-Oct-2014

Meetings of the Terpen Research Group

Daniël Postma (Participant)

Pre- and Protohistory

Date: 2014 → ...

Meetings of the Terpen Research Group

Daniël Postma (Participant)

Pre- and Protohistory

Lecture by guest speaker Dr. Carol van Driel-Murray (Leiden University) titled: Terpenschoenen.

Date: 22-Oct-2014

Middeleeuwen Werkgroep

Theun Varwijk (Speaker)

Pre- and Protohistory
Over Terpen en Wierden
Date: 1-Apr-2014

Theun Varwijk (Participant)
Pre- and Protohistory
Date: 1-Apr-2014

Modelling the potential for submerged Prehistory

Hans Peeters (Invited speaker)
Pre- and Protohistory
Date: 26-Mar-2014

Mortuary Studies Group

Sarah Willemsen and Tanja van Loon (Speakers)
Classical and Mediterranean Archaeology
The use of sumptuary legislation in protohistoric Italic and Greek contexts.
Date: 28-Nov-2014

Neolithic Seminar

Canan Çakırlar (Invited speaker)
Pre- and Protohistory
Milk, mussels, and more in Neolithic northwestern Turkey: Incipient osteoarchaeological, organic residue, radiocarbon and aDNA results from Istanbul-Yenikapı
Date: 2014

Nordic Research School in Archaeology

Peter Jordan (Invited speaker)
Arctic and Antarctic studies
Date: 30-Sep-2014

OIKOS Master Class: The Natural World in Antiquity

Tamara Dijkstra (Speaker)
Greek Archaeology
Date: 13-Jun-2014 → 22-Jun-2014

OIKOS-Oxford PhD Days

Tamara Dijkstra (Speaker)
Greek Archaeology
Date: 26-Sep-2014 → 28-Sep-2014

On the 'multi' and the 'discipline' on polar historical archaeology

Frigga Kruse (Invited speaker)
Arctic and Antarctic studies
On the 'multi' and 'discipline' of polar historical archaeology
Date: 25-Nov-2014

Opening provincial depot

Daan Raemaekers (Participant)
Pre- and Protohistory
Date: 12-Sep-2014

Opstellen en analyseren van gesloten vragen

Gijs Tol (Participant)
Classical and Mediterranean Archaeology
Participation in and completion of the course: 'Opstellen en analyseren van gesloten vragen'.
Date: 1-May-2014 → 1-Nov-2014

'Palaeoecology, grazing and vegetation diversity'

Mans Schepers (Invited speaker)
Pre- and Protohistory

'From vegetation to hay bale to livestock to dung. And back? An experimental study on the relation between standing vegetation and the botanical composition of dung'

Date: 11-Jun-2014

PhD Day 2014 - Besides and Beyond your PhD

Tanja van Loon (Participant)

Classical and Mediterranean Archaeology

Date: 20-Sep-2014

PhD Day 2014 - Besides and Beyond your PhD

Eleni Panagiotopoulou (Participant)

Greek Archaeology

Date: 20-Sep-2014

Practical Research Skills Workshop Series #1 Art of Summarizing

Eleni Panagiotopoulou (Organiser)

Greek Archaeology

Date: 18-Mar-2014

Eleni Panagiotopoulou (Participant)

Greek Archaeology

Date: 18-Mar-2014

Practical Research Skills Workshop Series #3 Publish or Perish?

Eleni Panagiotopoulou (Organiser)

Greek Archaeology

Date: 4-Nov-2014

Annette Hansen (Participant)

Pre- and Protohistory, English section Language Centre

Date: 2014

Eleni Panagiotopoulou (Participant)

Greek Archaeology

Date: 4-Nov-2014

Tanja van Loon (Participant)

Classical and Mediterranean Archaeology

Date: 4-Nov-2014

Preparatory meetings for rebuilding the turf house in Firdgum

Daniël Postma (Participant)

Pre- and Protohistory

Meeting with provincial archaeologist Gilles de Langen, board members of the Yeb Hettinga Museum (Firdgum), students and staff of the NHL University of Applied Sciences and students of the Groningen Institute for Archaeology.

Date: 9-May-2014

Preparatory meetings for rebuilding the turf house in Firdgum

Daniël Postma (Participant)

Pre- and Protohistory

Meeting with provincial archaeologist Gilles de Langen and board members of the Yeb Hettinga Museum (Firdgum).

Date: 17-Mar-2014

Project meeting excavation Well-Aijen

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 17-Apr-2014

Project meeting on 3D scanning and printing

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 22-Oct-2014

Project meeting Prehistoric Flevoland

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 28-Jan-2014

Project meeting Prehistoric Flevoland

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 20-Mar-2014

Project meeting Sumar excavation

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 30-Jan-2014

Project meeting Sumar excavation

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 28-May-2014

Project meeting Sumar excavation

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 4-Nov-2014

Project meeting Swifterbant pottery, with L. Kubiak-Martens (BIAX)

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 18-Jun-2014

Project meeting Well-Aaijen excavation

Daan Raemaekers (Participant)

Pre- and Protohistory

Date: 17-Jun-2014

Promotiesymposium H. Feiken

Martijn van Leusen (Speaker)

Classical and Mediterranean Archaeology

Introduction to the Hidden Landscapes Project, 2005 - 2011

Date: 10-Apr-2014

Provincie Noord Holland ganzenproblematiek

Maarten Loonen (Invited speaker)

Arctic and Antarctic studies

Ganzenproblematiek Noord-Holland

Date: 11-Sep-2014

<http://www.maartenloonen.nl/pers/p20140911.htm> (Video registration presentation)

ReMa CMRS seminar Approaches to Antiquity, the Middle Ages, and the Renaissance

Lidewijde de Jong (Invited speaker)

Greek Archaeology

Guest lecture on Romanization for ReMa CMRS seminar Approaches to Antiquity, the Middle Ages, and the Renaissance

Date: 1-Oct-2014

Reuvsdagen

Hendrik Groenendijk (Invited speaker)
Pre- and Protohistory
Forum discussion 'Hoe krijgt het archeologische verhaal vorm'
Date: 21-Nov-2014

RUG 400 lezing

Gert van Oortmerssen (Speaker)
Classical and Mediterranean Archaeology
Voor de eeuwigheid? Archeologische objecten uit het mediterrane gebied in de collectie van de RUG
Date: 22-Apr-2014

Scheepsbouw Projectgroep

André van Holk (Member of programme committee)
Pre- and Protohistory
Preparation of the building of a replica of an archaeological ship-type called waterschip
Date: 2014

Seminar Institute of Classical Archaeology, Freie Universität Berlin

Lidewijde de Jong (Invited speaker)
Greek Archaeology
Seminar on Mortuary practices in the Near East
Date: 6-May-2014

Seminar on mortuary archaeology

Peter Attema (Participant)
Classical and Mediterranean Archaeology
The cemeteries and settlement of Crustumium during the orientaling and Archaic period, recent research results
Date: 27-Nov-2014

Shell briefing on Oil Spill Response in the Arctic

Margje de Jong (Participant)
Arctic and Antarctic studies
Date: 8-Sep-2014

Shell seminars

Maarten Loonen (Participant)
Arctic and Antarctic studies
Shell seminar Arctic drilling
Date: 8-Sep-2014

SIOS Svalbard Integrated Arctic Earth Observing System

Maarten Loonen (Participant)
Arctic and Antarctic studies
SIOS final meeting Brussels
Date: 24-Sep-2014 → 25-Sep-2014

Startavond Project Terpen- en wierdenland. Een verhaal in ontwikkeling.

Gilles de Langen (Participant)
Pre- and Protohistory
Date: 4-Nov-2014

Startavond Project Terpen- en wierdenland. Een verhaal in ontwikkeling.

Gilles de Langen (Participant)
Pre- and Protohistory
Date: 1-Dec-2014

Summer School Predictivity and Archaeology

Martijn van Leusen (Speaker)
Classical and Mediterranean Archaeology
Prediction and Falsification: how geoarchaeological models and data interact (lecture via skype)

Date: 12-May-2014

The Economic Utility of Olive Workshop

Frits Heinrich (Participant)
Classical and Mediterranean Archaeology
Date: 27-Sep-2014

The ethnohistory and ethnoarchaeology of forager failure

Peter Jordan (Invited speaker)
Arctic and Antarctic studies
An international invitation-only workshop
Date: 5-Feb-2014

TMA / Digital Archaeology symposium

Wieke de Neef (Speaker)
Classical and Mediterranean Archaeology
The Devil is in the : a burnt Bronze Age hut
Date: 18-Dec-2014
<http://archaeology.leiden.edu/agenda/digital-archaeology.html>

Tutorial on Stable Isotope Analysis

Eleni Panagiotopoulou (Speaker)
Greek Archaeology.
Date: Feb-2014 → Jun-2014

U4 Winter School: Between Resistance and Adaptation: Dealing with the Other in the Ancient World

Tamara Dijkstra (Speaker)
Greek Archaeology
Date: 3-Mar-2014 → 9-Mar-2014

Working visit woodland management and timber saw mill

Daniël Postma (Participant)
Pre- and Protohistory
Date: 9-Sep-2014

Working visits for the Turf House Project

Daniël Postma (Participant)
Pre- and Protohistory
Occasional working visits the rebuilding of the turf house in Firdgum.
Date: 15-Jul-2014 → 19-Dec-2014

9th International Conference of Archaeology of the Ancient Near East

Canan Çakırlar (Organiser)
Pre- and Protohistory
Organizer of workshop: Artefacts made of bone and related materials (with H. Genz)
Date: 2014

Contribution to the work of national or international committees and working groups

CAFF CBIRD group member

Maarten Loonen (Member)
Arctic and Antarctic studies
Date: 2014
External organisation: CAFF Conservation Arctic Flora and Fauna

CAFF representative Netherlands

Maarten Loonen (Member)
Arctic and Antarctic studies
Date: 2014

External organisation: CAFF Conservation Arctic Flora and Fauna

Elected Member of International Committee

Canan Çakırlar (Member)

Pre- and Protohistory

Date: 2010 → 2018

External organisation: International Council of Archaeozoology

http://www.alexandriaarchive.org/icaaz/meetings_business.html

Evaluation New Netherlands Polar Programme

Maarten Loonen (Reviewer)

Arctic and Antarctic studies

Date: 1-Oct-2014

External organisation: Nederlandse Wetenschappelijke Organisatie (NWO)

Kaymakci/Gygaia Archaeological Project

Canan Çakırlar (Member)

Pre- and Protohistory

Date: 2014 → ...

External organisation: Boston Univ, Boston University

<http://sites.bu.edu/gygaia/>

NySMAC Ny-Aalesund Science Managers

Maarten Loonen (Member)

Arctic and Antarctic studies

Date: 2014

External organisation: NySMAC Ny-Aalesund Science Managers Organisation

Station manager Netherlands Arctic Station

Maarten Loonen (Chair)

Arctic and Antarctic studies

Date: 2014

Taking care of maritime archaeological affairs in the Netherlands

André van Holk (Chair)

Pre- and Protohistory

organisation of symposia

Date: 2012 → 2014

External organisation: Glavimans Stichting

Membership of peer review panel or committee

Advisory Board Archaeology, RUG

Tymon de Haas (Member)

Classical and Mediterranean Archaeology

Date: 2014

External organisation: Advisory Board Archaeology, RUG

Advisory Board, Shanghai Archaeology Forum

Sofia Voutsaki (Member)

Greek Archaeology

Date: 2013 → 2015

External organisation: Shanghai Archaeology Forum

Coordination of national network of Steunpunten in the Netherlands

André van Holk (Chair)

Pre- and Protohistory

Coördination of national network of Steunpunten in the Netherlands

Date: Jul-2014 → Jul-2015

External organisation: Eigen Overleg Steunpunten

Organisation of International Symposium on Boat and Ship Archaeology

André van Holk (Member)

Pre- and Protohistory

organising symposium

Date: 2012 → 2024

External organisation: International Symposium on Boat and Ship Archaeology

Peer reviewer of Conference Proceedings, Conference 'Island, Mainland, Coastland and Hinterland: ceramic perspectives on ancient connectivity in the Mediterranean'

Sofia Voutsaki (Reviewer)

Greek Archaeology

Date: 1-Jan-2014 → 30-Jan-2014

External organisation: Peer reviewer of Conference Proceedings, Conference 'Island, Mainland, Coastland and Hinterland: ceramic perspectives on ancient connectivity in the Mediterranean'

Peer reviewer, NWO VIDI

Sofia Voutsaki (Reviewer)

Greek Archaeology

Peer reviewer, NWO VIDI

Date: 1-Dec-2014 → 22-Dec-2014

External organisation: Netherlands Org Sci Res NWO

Research Council of KU Leuven

Sofia Voutsaki (Reviewer)

Greek Archaeology

Date: 1-Mar-2014 → 30-Mar-2014

External organisation: Research Council of KU Leuven

Scientific Advisory Board, Netherlands Institute at Athens

Sofia Voutsaki (Member)

Greek Archaeology

Date: 2014 → ...

External organisation: Scientific Advisory Board, Netherlands Institute at Athens

Taking care of cultural heritage in Lelystad

André van Holk (Chair)

Pre- and Protohistory

Taking care of cultural heritage in Lelystad

Date: 2012 → 2018

External organisation: Erfgoed Commissie Lelystad

VENI Committee NWO

Sofia Voutsaki (Member)

Greek Archaeology

Date: 2014

Membership of external research organisation

AMAP Assessment 2015, Radioactivity in the Arctic

Frits Steenhuisen (Contributor)

Arctic and Antarctic studies

Date: 12-Dec-2014 → 14-Dec-2014

External organisation: Staten Strålevern (Norwegian Radiation Protection Authority)

APECS Excom Vice-President 2013/14

Frigga Kruse (Member)

Arctic and Antarctic studies

APECS Excom Vice-President 2013/14

Date: 1-Oct-2013 → 30-Sep-2014

External organisation: APECS

Creating Public Awareness stake-holders Cultural Heritage in the municipality of the Noordoostpolder

André van Holk (Chair)

Pre- and Protohistory

Coordinating project Creating Public Awareness stake-holders Cultural Heritage in the municipality of the Noordoostpolder by the Missing Link

Date: 2014 → 2015

External organisation: Steunpunt Archeologie en jonge Monumenten Flevoland

Stock-taking built heritage in the municipality of Zeewolde

André van Holk (Chair)

Pre- and Protohistory

Coördinating Stock-taking built heritage in the municipality of Zeewolde

Date: 2014 → 2015

External organisation: Steunpunt Archeologie en jonge Monumenten Flevoland

Stock taking Cultural heritage of the eastern Waddenzee

André van Holk (Chair)

Pre- and Protohistory

Coordinating project Stock taking Cultural heritage of the eastern Waddenzee

Date: 2013 → 2015

External organisation: Inventarisatie Buitendijks Erfgoed Oostelijke Waddenzee

SOVON Wetenschappelijke begeleidingscommissie jaarvergadering

Maarten Loonen (Member)

Arctic and Antarctic studies

Date: 30-Jan-2014

Tracing shipwrecks in Flevoland

André van Holk (Chair)

Pre- and Protohistory

Coordinating desk study of periplus-Archeomare Tracing shipwrecks in Flevoland

Date: 2014 → 2015

External organisation: Steunpunt Archeologie en jonge Monumenten Flevoland

Working visit NRPA

Frits Steenhuisen (Contributor)

Arctic and Antarctic studies

AMAP Assessment 2015 (radioactivity) as member of the AMAP Radioactivity Exp. Group UNSCEAR Fukushima spatial analysis work

Date: 2-Jun-2014 → 6-Jun-2014, 20-Oct-2014 → 24-Oct-2014

External organisation: Staten Strålevern (Norwegian Radiation Protection Authority)

Research and Teaching at External Organisation

Archeologia del paesaggio: recenti sviluppi e il lavoro del Pontine Region Project.

Tymon de Haas (Speaker)

Classical and Mediterranean Archaeology

guest lecture

Date: 2014

External organisation: Univ Roma La Sapienza, Sapienza University Rome

Teaching archaeozoology (Erasmus exchange)

Canan Çakırlar (Visitor)

Pre- and Protohistory

Teaching archaeozoology to fourth year BA students of archaeozoology for two-and-a-half days, including lectures on domestication and biogeography, and hands-on practicals.

Date: Apr-2014

External organisation: Ege Univ, Ege University

Invited talk

Annual meeting of Stichting Oude Groninger Kerken

Hendrik Groenendijk (Speaker)

Pre- and Protohistory

Religieus erfgoed ten plattelande - wat draagt de archeologie aan kennis bij?

Date: 19-Feb-2014

External organisation: Stichting Oude Groninger Kerken

Veranstaltung Moorarchäologie

Hendrik Groenendijk (Speaker)

Pre- and Protohistory

Hart auf der Grenze. Eine archäologische Begegnung im Bourtangermoor

Date: 11-Jul-2014 → 12-Jul-2014

External organisation: Niedersächsisches Landesamt für Denkmalpflege

Beyond Archaeology. Sharing responsibility for a communal interest

Hendrik Groenendijk (Speaker)

Pre- and Protohistory

Groningen: sharing responsibility for a communal interest

Date: 29-Oct-2014

External organisation: Provincie Groningen

<http://www.beyondarchaeology.nl>

Annual meeting of Stichting Landgoed Borg Verhildersum

Hendrik Groenendijk (Speaker)

Pre- and Protohistory

Raakt de archeologie nooit op? De situatie in NW Groningen

Date: 18-Dec-2014

External organisation: Stichting Landgoed Borg Verhildersum

Guest Lecture Benaderingen en interpretaties van Landschappen

Tymon de Haas (Speaker)

Classical and Mediterranean Archaeology

Het landschap van midden-Italië: van digitaal naar 'beleefd' landschap

Date: 5-Mar-2014

Guest lecture Università di Roma La Sapienza

Tymon de Haas (Speaker)

Classical and Mediterranean Archaeology

Date: 30-Oct-2014

External organisation: Università di Roma La Sapienza

Kunst en erfgoed in Flevoland

André van Holk (Speaker)

Pre- and Protohistory

Talk about the relation of cultural heritage and art in Flevoland

Date: 6-Jun-2014

External organisation: Genootschap Flevo

Official opening of maritime archaeological monument

André van Holk (Speaker)

Pre- and Protohistory

Sketch of importance of this maritime archaeological monument

Date: 18-Nov-2014

External organisation: Gemeente Urk

Maritieme archeologie

André van Holk (Speaker)

Pre- and Protohistory

Talk to sketch the critical situation maritime archaeology in the Netherlands is in.
Date: 25-Nov-2014

Lecture: Romans, Parthians, and Palmyrenes: a view from the tombs

Lidewijde de Jong (Speaker)
Greek Archaeology
Colloquium lecture
Date: 5-May-2014
External organisation: Institute of Classical Archaeology, Freie Universität Berlin

Seminar NIOO lecture arctic ecology

Maarten Loonen (Speaker)
Arctic and Antarctic studies
Date: 17-Nov-2014
External organisation: Netherlands Inst Ecol, NIOO KNAW

Het geval Ezinge: de (rituele) depositie van voorwerpen in een nederzetting uit de ijzertijd

Annet Nieuwhof (Speaker)
Pre- and Protohistory
Date: 17-Oct-2014
External organisation: Stichting Metaaltijdenonderzoek Nederland

Luxe servies? Het gebruik van terra sigillata in de samenlevingen van het terpengebied in de Romeinse tijd

Annet Nieuwhof (Speaker)
Pre- and Protohistory
Date: 14-Nov-2014

Annual meeting of Groene Alliantie

Mans Schepers (Speaker)
Pre- and Protohistory
Archeobotanisch onderzoek in het terpengebied. Lecture focussing on palaeobotanical research in the Dutch coastal area, with an emphasis on possible implications for nature conservation.
Date: 18-Dec-2014
External organisation: Groene Alliantie. Frisian alliance of organisations involved in landscape and nature management

40 years of Arctic research: The Arctic Centre at the University of Groningen

Frits Steenhuisen (Speaker)
Arctic and Antarctic studies
Date: 28-Jan-2014
External organisation: GasTerra

Dutch Arctic Research Seminar

Frits Steenhuisen (Speaker)
Arctic and Antarctic studies
Global mercury emissions 2010 and their impact on the Polar Regions, The need for a geo-spatially distributed emissions model
Date: 11-Dec-2014
External organisation: Nederlandse Ambassade Oslo (Noorwegen)

Hosting an academic visitor

Prof. dr. Peter Akkermans

Lidewijde de Jong (Member)
Greek Archaeology
Date: 9-Dec-2014
External organisation: Universiteit Leiden

Dr. Hernán A. Burbano

Peter Jordan (Member)

Arctic and Antarctic studies
Date: 28-Oct-2014
External organisation: Max Planck Institute for Developmental Biology, Tübingen

NIOZ director Henk Brinkhuis

Maarten Loonen (Host)
Arctic and Antarctic studies
Date: 24-Feb-2014
External organisation: Royal Netherlands Inst Sea Res NIOZ

Dr. Julia Clark

Peter Jordan (Member)
Arctic and Antarctic studies
Date: 14-May-2014
External organisation: University of Pittsburgh

Dr. Bilge Hürmüzlü (Isparta University)

Sofia Voutsaki (Host), Lidewijde de Jong (Member)
Greek Archaeology
Date: 2014
External organisation: University of Isparta

Dr. Yaroslav Kuzmin

Peter Jordan (Member)
Arctic and Antarctic studies
Date: 14-Oct-2014
External organisation: Sobolev Institute of Geology and Mineralogy

Prof. Mehmet Ozhanli (Isparta University)

Sofia Voutsaki (Host)
Greek Archaeology
Hosting Prof Mehmet Ozhanli, Isparta University
Date: 2014
External organisation: University of Isparta

Dr. Sjoerd Kluiving

Martijn van Leusen (Member)
Classical and Mediterranean Archaeology
Date: 11-Nov-2014
External organisation: Vrije Universiteit

Prof. dr. Ben Krause-Kyora

Canan Çakırlar (Member)
Pre- and Protohistory
Dr. Pilaar Birch is an expert on isotopic analysis applications in zooarchaeology.
Date: 31-Mar-2014
External organisation: Institute of Clinical Molecular Biology

Dr. Olivier Nieuwenhuys

Lidewijde de Jong (Member)
Greek Archaeology
Date: 18-Feb-2014
External organisation: Universiteit Leiden

Dr. Suzanne Pilaar Birch

Canan Çakırlar (Member)
Pre- and Protohistory
Dr. Pilaar Birch is an expert on isotopic analysis applications in zooarchaeology.
Date: Mar-2014
External organisation: Brown Univ, Brown University

Dr. Dominic Powlesland

Martijn van Leusen (Member)
Classical and Mediterranean Archaeology
Date: 2-Dec-2014
External organisation: University of York

Dr. Francesca Romagnoli

Martijn van Leusen (Member)
Classical and Mediterranean Archaeology
Date: 17-Feb-2014
External organisation: Institut Català de Paleoecologia Humana i Evolució Social

Stepan Ruckl

Eleni Panagiotopoulou (Member)
Greek Archaeology
Date: 9-Jun-2014
External organisation: Max Planck Institute for Developmental Biology, Tübingen

Dr. Margreet Steiner

Lidewijde de Jong (Member)
Greek Archaeology
Date: 20-May-2014
External organisation: Independent Researcher

Prof. dr. Bethany J. Walker

Annette Hansen (Member)
Classical and Mediterranean Archaeology
Date: 21-Apr-2014
External organisation: Rheinische Friedrich-Wilhelms-Universität Bonn Germany

Dr. Bruce Walker, foreign specialist on vernacular building traditions

Daniël Postma (Member)
Pre- and Protohistory
Architect and building historian Bruce Walker was invited to advice on the design and method of construction of the rebuilding of the experimental turf house in Firdgum (Netherlands). On the second day of his visit timber finds were studied at the Noordelijk Archeologisch Depot in Nuis to establish their possible use as part of Celtic cuppill-like trusses in early medieval buildings.
Date: 20-Aug-2014 → 21-Aug-2014
External organisation: Dr. Bruce Walker (retired; formerly with Historic Scotland and University of Dundee)

Publications

Prehistory and Protohistory of Northwest Europe

Doctoral Thesis

Schepers, M 2014, 'Reconstructing vegetation diversity in coastal landscapes', Doctor of Philosophy, University of Groningen, [S.l.].

Web publication/site

Arnoldussen, S, www.facebook.com/groups/metaaltijden: peer network for later prehistoric archaeology, 2014, Web publication/site.

Arnoldussen, S, www.raatakker.nl, 2014, Web publication/site.

Postma, D, *Zodenhuis Firdgum Facebook-pagina*, 2014, Web publication/site.

Postma, D, *Zodenhuis Firdgum Twitter-account*, 2014, Web publication/site.

Digital or Visual Products

Postma, D, *It Seaddehûs*, 2014, Digital or Visual Products.

Books

Nicolay, J 2014, *The splendour of power: Early medieval kingship and the use of gold and silver in the southern North Sea area (5th to 7th century AD)*. Groningen Archaeological Series, vol. 28, Barkhuis Publishing, Groningen.

Nieuwhof, A (ed.) 2014, *En dan in hun geheel: De vondsten uit de opgravingen in de wierde Ezinge*. Jaarverslagen van de Vereniging voor Terpenonderzoek, vol. 96, Vereniging voor Terpenonderzoek, Groningen.

Conference contributions

Çakırlar, C 2014, 'Persian Period dog burials in the Levant: new evidence from Tell el-Burak (Lebanon) and a reconsideration of the phenomenon'. in *ASWA IX: Archaeozoology of the Ancient Near East*. Ancient Near Eastern Studies Supplement Series (ANES), Peeters, pp. 243-264.

Van Gijn, AL & Raemaekers, D 2014, 'Choosy about stone: The significance of the colour red in the Dutch Funnel Beaker Culture'. in *Siedlungs- und Küstenforschung im südlichen Nordseegebiet*. vol. 37, Niedersächsisches Institut für historische Küstenforschung, Wilhelmshaven, pp. 195-202.

Entries for encyclopedia/dictionary

Çakırlar, C 2014, 'Molluscs (Invertebrates): Analyses in environmental archaeology'. in *Encyclopedia of Global Archaeology*. Springer-Verlag, pp. 5005-10.

Chapters

Beckerman, S 2014, 'Ceramics'. in EM Theunissen, O Brinkkemper, RCGM Lauwerier, BI Smit & IMM Van der Jagt (eds), *A mosaic of habitation at Zeewijk (The Netherlands): Late Neolithic behavioural variability in a dynamic landscape*. Nederlandse Archeologische Rapporten, vol. 47, Rijksdienst voor het Cultureel Erfgoed, pp. 55-83.

Cappers, R 2014, 'Botanique'. in M-C Bruwier, W Claes & A Quertinmont (eds), *"La description de l'Égypte" de Jaen-Jacques Rifaud (1813-1826)*. Édition Safran, pp. 185-214.

Cappers, R 2014, 'The cultivated and wild plant remains'. in PMMG Akkermans, ML Brüning, HO Huigens & OP Nieuwenhuys (eds), *Excavations at the Neolithic tell Sabi Abyad, Syria: The 1994-1999 seasons*. Brepols Publishers, pp. 233-246.

Heinrich, F, Cappers, R, Kaaijk, S, F, F, Darnell, JC & Manassa, C 2014, 'Barley Revisited: Production of Barley Bread in Umm Mawagir'. in K Accetta, R Fellingner, PL Gonçalves, S Musselwhite & WP van Pelt (eds), *Current Research in Egyptology 2013: Proceedings of the Fourteenth Annual Symposium.*, 5, Oxbow, Oxford, pp. 49-63.

van Holk, AFL 2014, 'Maritime archaeology, mind-set and money, the IFMAF and the Zuiderzee: Education, research, awareness and management'. in WH Metz (ed.), *Maritime archaeology : symposium ter gelegenheid van het 75-jarig bestaan van de Stichting Nederlands Museum voor Anthropologie en Praehistorie in het kader van de zesendertigste Kroon-voordracht*. vol. 36, 1, Amsterdams Archeologisch Centrum van de Universiteit van Amsterdam, Amsterdam, pp. 9-78.

Nicolay, J 2014, 'Terp excavation in the Netherlands'. in *Encyclopedia of Global Archaeology*. Springer/Gabler, pp. 7271-7273.

Nieuwhof, A 2014, 'De geschiedenis van Ezinge in scherven: Handgevormd aardewerk van 500 v.Chr. tot 1500 n.Chr.'. in A Nieuwhof (ed.), *En dan in hun geheel: De vondsten uit de opgravingen in de wierde Ezinge.*, 2, Jaarverslagen van de Vereniging voor Terpenonderzoek, vol. 96, Vereniging voor Terpenonderzoek, pp. 30-128.

Nieuwhof, A 2014, 'De opgravingen in Ezinge en het onderzoek van het vondstmateriaal'. in A Nieuwhof (ed.), *En dan in hun geheel : De vondsten uit de opgravingen in de wierde Ezinge.*, 1, Jaarverslagen van der Vereniging voor Terpenonderzoek, vol. 96, Vereniging voor Terpenonderzoek, Groningen, pp. 11-29.

Nieuwhof, A 2014, 'Ezinge - Kralen van glas, barnsteen en smaragd'. in A Nieuwhof (ed.), *En dan in hun geheel: De vondsten uit de opgravingen in de wierde Ezinge.*, 5, Jaarverslagen van de Vereniging voor Terpenonderzoek, vol. 96, Vereniging voor Terpenonderzoek, Groningen, pp. 163-168.

Nieuwhof, A 2014, 'Graven en botten: Menselijke resten in Ezinge'. in *En dan in hun geheel: De vondsten uit de opgravingen in de wierde Ezinge.*, 9, Jaarverslagen van de Vereniging voor Terpenonderzoek, vol. 96, Vereniging voor Terpenonderzoek, Groningen, pp. 238-255.

Nieuwhof, A, Huisman, H, Johansen, L, Stapert, D & Woltinge, I 2014, 'Van dichtbij en van ver: Het gebruik van natuursteen in Ezinge'. in *En dan in hun geheel: De vondsten uit de opgravingen in de wierde Ezinge.*, 6, Jaarverslagen van de Vereniging voor Terpenonderzoek, vol. 96, Vereniging voor Terpenonderzoek, pp. 169-186.

Peeters, JHM, Brinkhuizen, DC, Cohen, KM, Kooistra, LI, Kubiak-Martens, L, Moree, JM, Niekus, MJLT, Schiltmans, DEA, Verbaas, A, Verbruggen, F, Vos, PC & Zeiler, JT 2014, 'Synthese'. in JM Moree & MM Sier (eds), *Twintig meter diep!: Mesolithicum in de Yangtzehaven-Maasvlakte te Rotterdam*. vol. 523, BOORrapporten, vol. 523, Bureau Oudheidkundig Onderzoek Rotterdam, Rotterdam, pp. 289-321.

Raemaekers, D 2014, 'The persistence of hunting and gathering amongst farmers in prehistory in Neolithic north-west Europe'. in V Cummings, P Jordan & M Zvelebil (eds), *The Oxford handbook of the archaeology and anthropology of hunter-gatherers*. Oxford handbooks series, Oxford University Press, Oxford, pp. 805-823.

Thasing, S & Nieuwhof, A 2014, 'Importaardewerk in Ezinge: Uitwisseling en sociaal-politieke structuur in de Romeinse tijd en de vroege middeleeuwen'. in A Nieuwhof (ed.), *En dan in hun geheel: De vondsten uit de opgravingen in de wierde Ezinge.*, 3, Jaarverslagen van de Vereniging voor Terpenonderzoek, vol. 96, Vereniging voor Terpenonderzoek, Groningen, pp. 129-146.

Theunissen, EM, Beckerman, S, Brinkhuizen, D, Garcia-Diaz, V, Kubiak-Martens, L, Nobles, G, Oudemans, TFM, Zeiler, J, Brinkkemper, O, van der Jagt, IMM, Kleijne, JP, Lauwerier, RCGM, Smit, B, van Gijn, AL, Peeters, H & Raemaekers, D 2014, 'Synthesis: A mosaic of habitation at Zeewijk'. in *A mosaic of habitation at Zeewijk (The Netherlands): Late Neolithic behavioural variability in a dynamic landscape*. Nederlandse Archeologische Rapporten, vol. 47, Rijksdienst voor het Cultureel Erfgoed, Amersfoort, pp. 257-266.

Special issues

Çakırlar, C 2014, 'Urban Animal Economies in Bronze and Iron Age Anatolia' *Journal of Eastern Mediterranean Archaeology and Heritage Studies*, vol 2, no. 4.

Editorials

Çakırlar, C & Marom, N 2014, 'Urban animal economies in Bronze and Iron Ages Anatolia' *Journal of Eastern Mediterranean Archaeology and Heritage Studies*, vol 2, no. 4, pp. 3-6.

Refereed articles

Arbuckle, BS, Whitcher Kansa, S, Kansa, E, Orton, D, Çakırlar, C, Gourichon, L, Atici, L, Galik, A, Marciniak, A, Mulville, J, Buitenhuis, H, Carruthers, D, De Cupere, B, Demiregi, A, Frame, S, Helmer, D, Martin, L, Peters, J, Połłath, N, Pawłowska, K, Russell, N, Twiss, K & Wü rtenberger, D 2014, 'Data Sharing Reveals Complexity in the Westward Spread of Domestic Animals across Neolithic Turkey' *PLoS ONE*, doi:10.1371/journal.pone.0099845

van den Bos, V, Brinkkemper, O, Bull, I, Engels, S, Hakbijl, T, Schepers, M, van Dinter, M, van Reenen, G & Geel, B 2014, 'Roman impact on the landscape near castellum Fectio, The Netherlands' *Vegetation History and Archaeobotany*, vol 23, pp. 277-298.

Çakırlar, C 2014, 'Provisioning an Urban Center under Foreign Occupation: Zooarchaeological Insights into the Hittite Presence in Late Fourteenth-Century BCE Alalakh' *Journal of Eastern Mediterranean Archaeology and Heritage Studies*, vol 2, no. 4, pp. 259-276.

Çakırlar, C & Berthon, R 2014, 'Caravans, camel wrestling and cowrie shells: towards a social zooarchaeology of camel hybridization in Anatolia and adjacent regions' *Anthropozoologica*, vol 49, no. 2, pp. 237., <http://dx.doi.org/10.5252/az2014n2a06>

Çakırlar, C, Ikram, S & Gates, M-H 2014, 'New evidence for fish processing in the ancient Eastern Mediterranean: Formalised Epinephelus butchery in fifth century BC Kinet Höyük, Turkey' *International Journal of Osteoarchaeology*, doi:10.1002/oa.2388

Huisman, DJ, Ngan-Tillard, D, Tensen, MA, Raemaekers, D & Laarman, FJ 2014, 'A question of scales: Studying Neolithic subsistence using micro CT scanning of midden deposits' *Journal of Archaeological Science*, vol 49, pp. 585-594.

Huisman, DJ & Raemaekers, DCM 2014, 'Systematic cultivation of the Swifterbant wetlands (The Netherlands): Evidence from Neolithic tillage marks (c. 4300–4000 cal. BC)' *Journal of Archaeological Science*, vol 49, pp. 572-584., [10.1016/j.jas.2014.05.018](https://doi.org/10.1016/j.jas.2014.05.018)

Linseele, V, Van Neer, W, Thys, S, Philipps, R, Cappers, R, Wendrich, W & Holdaway, S 2014, 'New Archaeozoological Data from the Fayum “Neolithic” with a Critical Assessment of the Evidence for Early Stock Keeping in Egypt' *PLoS ONE*, vol 9, no. 10., [10.1371/journal.pone.0108517](https://doi.org/10.1371/journal.pone.0108517)

Peeters, JHM & Momber, G 2014, 'The southern North Sea and the human occupation of northwest Europe after the Last Glacial Maximum' *Netherlands Journal of Geosciences*, vol 93, no. 1-2, pp. 55-70.

Schepers, M 2014, 'Wet, wealthy worlds: The environment of the Swifterbant river system during the Neolithic occupation (4300-4000 cal BC)' *Journal of Archaeology in the Low Countries*, vol 5, pp. 79-106.

Non-refereed articles

Arnoldussen, S & de Vries, KM 2014, 'Of farms and fields: the Bronze Age and Iron Age settlement and Celtic field at Hijken-Hijkerveld' *Palaeohistoria*, vol 55/56, pp. 85-104.

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