

## CURRICULUM VITAE

Name Sander Ernst VAN DER LEEUW

Address School of Human Evolution and Social Change  
Arizona State University  
PO Box 872402  
Tempe, Arizona 85287-2402  
U.S.A.  
tel/ fax: +1.480.965.6215  
email: vanderle@asu.edu

Present positions Professor of Anthropology and Director of the School of Human Evolution & Social Change,  
Arizona State University  
External Professor, Santa Fe Institute, Santa Fe, NM, USA.

Languages Dutch, English, French, German, Spanish

### Education and qualifications

1957-1963 Secondary education:  
Montessori Lyceum, Amsterdam  
(‘Gymnasium B’: Latin, Greek, English, French, German, Dutch, Geography,  
Biology, Algebra, Trigonometry, Solid geometry, Analytical Geometry,  
Calculus).

1963-1964 Fulbright Exchange Studentship:  
University of Arizona, Tucson, AZ, U.S.A.  
(Courses taken in Cultural Anthropology,, Archaeology, History, Spanish and some  
other subjects)

1964-1968 Kandidaatsexamen (equivalent to B.A.)  
University of Amsterdam  
History, with minors (optional subjects) in prehistory and 16th century Spanish (on  
documents relating to the conquest of the Americas)

1968-1972 Doctoraalexamen (equivalent to ABD/M.Litt)  
University of Amsterdam  
Double degree programme in:  
\* Medieval history (coursework and minors (optional subjects) in Medieval  
Archaeology and Modern History)  
\* Prehistory (coursework, thesis and minors in Medieval History and Medieval  
Archaeology), cum laude

1972-1976 Doctor of Philosophy  
University of Amsterdam  
Thesis: "Studies in the Technology of Ancient Pottery", Amsterdam, 2 vols.

1976-1977 Fulbright Post-Doctoral Research Fellow  
Department of Anthropology, University of Michigan, Ann Arbor, U.S.A.  
Research in Anthropology and Archaeology (Economic Anthropology, Ecology,  
Systems approaches).

1990 Master of Arts  
Cambridge University

## Employment

1969-1972	University of Amsterdam, Graduate Research Assistant.
1972-1976	University of Leiden/Netherlands Organisation for the Advancement of Pure Research (ZWO), Co-investigator in a project researching the technology of ancient pottery in the Euphrates Valley, NW Syria.
1976-1985	University of Amsterdam, Assistant Lecturer and Lecturer ('Wetenschappelijk Medewerker I'), from 1981 with tenure.
1985-1988	Assistant Lecturer, Cambridge University.
1988-1995	Lecturer, Cambridge University (since 1991 with tenure)
1995-present	Professor in the "Archaeology and History of Techniques" at the Université de Paris I (Panthéon-Sorbonne) (on secondment from 2004)
2002-2007	Chair in Archaeology, Institut Universitaire de France, Paris, France
2004-present	Professor of Archaeology and Director of the School of Human Evolution & Social Change, Arizona State University, Tempe, AZ USA

## Temporary positions, etc.

1976-1977	University of Michigan, Ann Arbor, Adjunct Assistant Research Scientist, Department of Anthropology.
1981-1982	Honorary Member, Department of Archaeology, Reading University, Reading, U.K.
1982-1985	Associate in Research, Museum of Anthropology, University of Michigan, Ann Arbor, U.S.A.
1982-1988	Research Associate, Department of Anthropology, University of Alabama, Tuscaloosa, AL, U.S.A.
1983-present	Member, New York Academy of Sciences, U.S.A.
1984	Visiting Fellow, Department of Prehistory, Research School of Pacific Studies, Australian National University, Canberra, A.C.T., Australia
1986-1996	Fellow, Fitzwilliam College, Cambridge
1987	Visiting Lecturer, University of Massachusetts, Amherst
1988	Distinguished Visiting Lecturer, Université de Paris I (Panthéon-Sorbonne)
1988-present	Fellow, Royal Anthropological Institute (UK)
1991-present	Member, American Association for the Advancement of Science, U.S.A.
1992-1996	Chercheur Associé, UPR 7520 of the Centre National de la Recherche Scientifique
1995-present	Corresponding Member, Royal Netherlands Academy of Sciences
1994- 2000	Fellow, McDonald Institute for Archaeological research, Cambridge University
1997-1998	Member, EP 1730 of the Centre National de la Recherche Scientifique
1999-2000	Visiting Scholar, Santa Fe Institute, Santa Fe, New Mexico, U.S.A.
1999-2000	Visiting Professor, Department of Anthropology, Arizona State University, Tempe, AZ, USA.
2000-present	Member, UMR 7041 of the Centre National de la Recherche Scientifique and director (2000-2004) of its 'Environmental Archaeology' research team.
2000-present	Member of the External Faculty of the Santa Fe Institute, Santa Fe, New Mexico, U.S.A.
2001-2003	Rapporteur Général, <i>Conseil national de coordination des Sciences de l'Homme et de la Société</i> , Paris
2002-2006	Chair of Archaeology, <i>Institut universitaire de France</i> , Paris
2002-2003	"Marion R. & Adolph J. Lichtstern Distinguished Research Scholar", University of Chicago, USA.
2003-2004	Deputy Director, Social Sciences Division, <i>Centre national de la recherche Scientifique</i> , Paris, France
2003-2004	Deputy Director, <i>Institut national des Sciences de l'Univers</i> , Paris, France

## Bibliography

### Books in print

- 1.01 1976 *Studies in the Technology of Ancient Pottery*, Amsterdam: University Printing Office, 2 vols.
- 1.02 1981 (ed.) *Archaeological Approaches to the Study of Complexity* Amsterdam: University Printing Office (Cingula VI).
- 1.03 1984 (ed., with A.C. Pritchard) *The Many Dimensions of Pottery: Ceramics in Archaeology and Anthropology*, Amsterdam: University Printing Office (Cingula VII).
- 1.04 1985 (dir.,) *Raakvlakken: Bijdragen aan een studiedag archeologie/anthropologie*, Amsterdam: Institute for Prehistory
- 1.05 1986 (dir., with R.W. Brandt and M.J.A.N. Kooijman) *Gedacht over Assendelft*, Amsterdam: Institute for Prehistory (IPP Working Paper 6).
- 1.06 1987 (dir., with R.W. Brandt and W. Groenman -van Waateringe), *Assendelver Polder Papers, vol I*, Amsterdam: University Printing Office (Cingula X).
- 1.07 1989 (ed., with R. Torrence). *What's New? A closer look at the process of innovation*. London: Hyman & Unwin.
- 1.08 1990 (ed., with J.-L. Fiches) *Archeologie et Espaces*, Antibes: Editions A.P.C.D.A. (Actes du Xe Colloque international d'archéologie et d'histoire d'Antibes).
- 1.09 1993 (ed., with P. Brun & C.R. Whittaker) *Frontières d'Empire, Nature et signification des frontières romaines*, Nemours: Editions A.P.R.A.I.F.
- 1.10 1995 (ed.).— *L'Homme et la dégradation de l'environnement*. Antibes : APDCA (Actes du XVe Colloque international d'archéologie et d'histoire d'Antibes).
- 1.11 1997 *Archaeology: Time, Process and Structural Transformations* (ed., with J. McGlade), Routledge's, London.
- 1.12. 1998 (with D. Pumain et al.) *Des Oppida aux métropoles* Paris : Anthropos (Collection Villes).
- 1.13. 1998 *The Archaeomedes Project - Understanding the natural and anthropogenic causes of land degradation and desertification in the Mediterranean*. Luxemburg: Office for Official Publications of the European Union
- 1.14 2003 (ed., with F. Favory and J.-L. Fiches) *Archéologie et systèmes socio-environnementaux: études multiscalaires sur la vallée du Rhône dans le programme ARCHAOMEDES* Valbonne : CNRS (Monographies du CRA).
- 1.15 2003 (ed., with C. Lévêque), *Quelles natures voulons nous ? Pour une approche socio-écologique du champ de l'environnement*. Paris: Elsevier
- 1.16 2007 (ed. with T. Kohler), *The Model-Based Archaeology of Socio-natural Systems*, Santa Fe, NM: School of Advanced Research

### Books contracted

- 1.17 D. Lane, D. Pumain, S. van der Leeuw and G. West (eds.) *Complexity Perspectives on Innovation and Social Change* Berlin: Springer (Methodos series), to appear late 2008

### Brochure

- 1.17 1997 *International Conference on Mediterranean Desertification: Research Results and Policy Implications*. Brochure publiée par la maison d'édition de la Commission des Communautés Européennes, Luxembourg.

### Books in preparation

- 1.18 [ed., with Dwight D. Read] *Dynamic approaches to long-term history: Proceedings of the Santa Fe and Abisko conferences*
- 1.19 *Environment and society: a long-term perspective on environmental degradation*. London : Gordon & Breach.
- 1.20 *The Archaeomedes Project II – Policy-relevant models of the natural and anthropogenic causes of land degradation and desertification and their spatio-temporal manifestations* Luxemburg: Office for Official Publications of the European Union

**Special issue in journal**

- 1.19 1999 S.E. van der Leeuw et S. Thiébault (eds.). "Environnement et archéologie. Dossier à propos des 'Assises nationales de l'archéologie environnementale'", *Nouvelles de l'Archéologie*, 78, (1999-4), pp. 5-35

**Papers in print**

- 2.1 1970 *De Vikingen in de Lage Landen* (The Vikings in the Low Countries), Working Paper 1, I.P.P., University of Amsterdam (author or co-author of contributions on pp. 73-79, 101-103, 107-113, 114-135, 139-143).
- 2.2 1971 Beknopt verslag van het Oudheidkundig Bodemonderzoek in de Nicolaïkerk te Utrecht (Condensed Report on the Excavations in the Nicolaïchurch in Utrecht), in: *Restauratie vijf hervormde kerken in de binnenstad van Utrecht, jaarverslag 1969-1970*, pp. 33-46 (with H.H. van Regteren Altena).
- 2.3 1974 The methodological debate in archaeology: fundamental questions, scientific procedure and archaeological research. A review article. *Helinium* 14, pp. 174-185.
- 2.4 1974 Sondages a Ta'as, Hadidi et Jebel Aruda, in: *Antiquités de l'Euphrate*, Aleppo, pp. 76-82.
- 2.5 1975 Medieval pottery from Haarlem: a model, in: *Rotterdam Papers* (J.G.N. Renaud, ed.), II, Rotterdam, pp. 67-87.
- 2.6 1976 Neolithic Beakers from the Netherlands: the potter's point of view, in: *Glockenbechersymposium Oberried 1974* (J.N. Lanting and J.D. van der Waals, eds.), Haarlem, pp. 81-140.
- 2.7 1977 Towards a study of the economics of pottery making, in: *Ex Horreo* (B.L. van Beek, R.W. Brandt and W. Groenman-van Waateringe, eds.), Amsterdam, pp. 68-76.
- 2.8 1979 Nieuwe ontwikkelingen in de Archeologie (New developments in Archaeology), *Intermediair* (with A. Voorrips).
- 2.9 1979 Artefactenonderzoek (Artefact Research), *Intermediair*.
- 2.10 1979 De technologische aspecten van het aardewerk uit de Haarlemse oven (The technological aspects of the pottery from the Haarlem kiln), *Haarlems Bodemonderzoek*, 10, pp. 55-126.
- 2.11 1980 Vervaardiging van prehistorisch aardewerk, een voorbeeld van materiaalstudie (Manufacture of prehistoric pottery, an example of research in materials technology), in: *Voltooid Verleden Tijd* (H.T. Waterbolk and M. Chamalaun, eds.), Amsterdam, pp. 103-112.
- 2.12 1980 (with A. Voorrips) Moderne ontwikkelingen in de archeologie (Modern developments in Archaeology), in: *Voltooid Verleden Tijd* (H.T. Waterbolk and M. Chamalaun, eds.), Amsterdam, pp. 213-228.
- 2.13 1980 Keramikproduktion und Keramikhandel. Methodologische Probleme Ihrer Erforschung, *Luebecker Schriften zur Archaeologie und Kulturgeschichte*, 4, pp. 185-206.
- 2.14 1981 Information flows, flow structures and the explanation of change in human institutions, in: *Archaeological Approaches to the Study of Complexity* (S.E. van der Leeuw, ed.), Amsterdam, pp. 230-329.
- 2.15 1981 Ceramic Exchange and Manufacture: a 'flow structure' approach, in: *Production and Distribution: a Ceramic Viewpoint* (H. Howard & E. Morris, eds.), BAR, International Series, 120, pp. 361-385.
- 2.16 1981 Preliminary Report on the analysis of Moundville Phase ceramic technology, *Bulletin of the Southeastern Archaeological Conference*, 24, pp. 105-108.
- 2.17 1982 How objective can we become: some reflections on the relationship between the archaeologist, his data and his interpretations, in: *Theory and Explanation in Archaeology* (A.C. Renfrew, M.J. Rowlands and B. A. Segraves, eds.), New York, pp.431-457.
- 2.18 1983 Analysis of Moundville Phase Ceramic Technology, in: *Prehistoric Agricultural Communities in West-Central Alabama*, vol. II (Studies of the material remains from the Lubbub Creek Archaeological Locality), (C.S. Peebles, ed.), Ann Arbor, pp. 123-132.
- 2.19 1983 Pottery distribution systems in Roman Northwestern Europe and on Contemporary Negros, Philippines, *Archaeological Review from Cambridge*, 2(2), pp. 37-47.
- 2.20 1983 Acculturation as information processing, in: *Roman and Native in the Low Countries* (R.W. Brandt & J. Slofstra, eds.), BAR, International Series, 184, pp. 11-41.

- 2.21 1984 Pottery manufacture: some complications for the study of trade, in: *Pots and Potters: current approaches in ceramic archaeology* (P.M.Rice, ed.), Monograph of the Institute of Archaeology, University of California at Los Angeles, pp. 55-69.
- 2.22 1984 (with R.W.Brandt and L.H. van Wijngaarden-Bakker) Transformations in a dutch estuary: research in a wet landscape, *World Archaeology*, 16(1), pp. 1-17 .
- 2.23 1984 Manufacture, trade and use of pottery on Negros, Philippines, in: *Earthenware in Asia and Africa* (J. Picton, ed.), Colloquies on Art and Archaeology in Asia, 12, Percival David Foundation of Chinese Art, London, pp. 326-364.
- 2.24 1984 Introduction: the many dimensions of pottery, in: *The Many Dimensions of Pottery: Ceramics in Archaeology and Anthropology* (S.E. van der Leeuw and A.C. Pritchard, eds.), Amsterdam, pp. 1-23.
- 2.25 1984 Dust to dust: a transformational view of the ceramic cycle, in: *The Many Dimensions of Pottery: Ceramics in Archaeology and Anthropology* (S.E. van der Leeuw and A.C. Pritchard, eds.), Amsterdam, pp. 707-773.
- 2.26 1985 Social stratification, anthropological models and archaeological (re)search, in: *Raakvlakken: Bijdragen aan een studiedag archeologie/anthropologie* (S.E. van der Leeuw, ed.), Amsterdam, pp. 15-35.
- 2.27 1986 Cognitive aspects of 'structuration': some personal impressions, in: *Gedacht over Assendelft*, (R.W. Brandt, S.E.van der Leeuw and M.J.A.N. Kooijman, eds.), Amsterdam (IPP Working Paper 6), pp. 77-86.
- 2.28 1986 Een voorbeeld van het gebruik van ethno-archaeologische analogie (an example of the use of ethno-archaeological analogy), in: *Te rade gaan bij die the weten* (R.M.A. Bedaux et al., eds.), Utrecht, pp. 93-105.
- 2.29 1986 On settling down and becoming a 'big-man', in: *Private Politics: a multi-disciplinary approach to 'Big-Man' systems* (M.A. van Bakel, R.R. Hagesteijn and P. van de Velde, eds.), Leiden, pp. 33-47.
- 2.30 1987 Outline of the Project and first results, in: *Assendelver Polder Papers*, vol I (R.W. Brandt, W. Groenman-van Waateringe and S.E. van der Leeuw, eds.), Amsterdam, pp. 1-21.
- 2.31 1987 (with T. Spruijt and V. Shelton-Bunn) Preliminary Report on the Ceramic Analysis, in: *Assendelver Polder Papers*, vol I (R.W. Brandt, W.Groenman- van Waateringe and S.E. van der Leeuw, eds.), Amsterdam, pp. 225-264.
- 2.32 1987 (with R.W. Brandt) Conclusions, in: *Assendelver Polder Papers*, vol I (R.W. Brandt, W. Groenman -van Waateringe and S.E. van der Leeuw, eds., Amsterdam, pp. 339-352.
- 2.33 1987 The Assendelver Polders of the Netherlands and a Wet Perspective on the European Iron Age, in: *The European Wetlands in Prehistory* (J.M. Coles and A.J. Lawson, eds.), Oxford, pp. 203-225.
- 2.34 1987 Revolutions Revisited, in: *Studies in the Neolithic and Urban Revolutions* (L. Manzanilla, ed.), BAR, International Series 349, pp. 217-243.
- 2.35 1988 (with R.W. Brandt) "Research design and Wet Site Archaeology in the Netherlands: an example". In: *Wet Site Archaeology* , (B. Purdy, ed.) Telford Press, pp. 153-176.
- 2.36 1988 Las revoluciones revisadas nuevamente, in: *Coloquio V. Gordon Childe* (L. Manzanilla, ed.), Mexico, pp. 235-264.
- 2.37 1988 Ceramics: the mastery of clay, in: *The Times Atlas of Archaeology*, (C. Scarre, ed.) London: Times Books, pp. 100-101
- 2.38 1989 (with R. Torrence) Introduction: What's new about innovation? In: *What's new? A closer look at the process of Innovation* (S.E. van der Leeuw & R.Torrence, eds.), London: Unwin Hyman, pp. 1-15
- 2.39 1989 Risk, Perception, Innovation, in: *What's new? A closer look at he process of innovation* (S.E.van der Leeuw & R. Torrence, eds.), London: Unwin Hyman, pp. 300-329.
- 2.40 1990 Archaeology, Material Culture and Innovation. *SubStance* 62-63, pp. 92-109.
- 2.41 1990 (with J.-L. Fiches) De la structuration et de l'analyse spatiales aux processus historiques, in: *Archeologie et Espaces* (J.L.Fiches &S.E. van der Leeuw, eds.), Antibes: A.P.C.D.A., pp. 503-512.
- 2.42 1990 "Rythmes temporels, espaces naturels et espaces vécus", in: *Archeologie et Espaces* (J.L. Fiches & S.E. van der Leeuw, eds.), Antibes: A.P.C.D.A., pp. 299-346.

- 2.43 1991 "Variation, Variability and Explanation in Pottery Studies", in: *Ceramic Ethnoarchaeology* (W.A. Longacre, ed.), Tucson: University of Arizona Press, pp. 3-39.
- 2.44 1992 (with D.A. Papousek & A. Coudart) "Technological traditions and unquestioned assumptions", *Techniques et Culture* 16-17 (1991), 145-173.
- 2.45 1992 (with D.A. Papousek) "Tradition and innovation", in *Ethnoarchéologie: Justification, Problèmes, Limites* (F. Audouze, A. Gallay et V. Roux, eds.), Antibes: A.P.D.C.A., pp. 135-158.
- 2.46 1993 (with J. McGlade) "Information, Cohérence et Dynamiques urbaines", in *Temporalités Urbaines* (B. Lepetit & D. Pumain, eds.), Paris: Anthropos/Economica, pp. 195-245.
- 2.47 1993 "Giving the potter a choice: conceptual aspects of pottery techniques." in: *Technological Choices: transformation in Material culture from the Neolithic to modern high tech* (P. Lemonnier, ed.). London: Routledge Kegan Paul, pp. 238-88.
- 2.48 1993 "Decision-making in the Roman Empire during the Republic", in *Frontières d'Empire, Nature et signification des frontières romaines*, (P. Brun, S.E. van der Leeuw & C.R. Whittaker, eds.) Nemours: Editions A.P.R.A.I.F., pp. 65-93
- 2.49 1993 (with Introduction, in *Frontières d'Empire, Nature et signification des frontières romaines*, (P. Brun, S.E. van der Leeuw & C.R. Whittaker, eds.) Nemours: Editions A.P.R.A.I.F., pp. 9-12.
- 2.50 1994 "Cognitive aspects of technique", in: *The Ancient Mind* (A.C. Renfrew & E. Zubrow, eds.), Cambridge: Cambridge University Press, PP. 135-142.
- 2.51 1994 "Social and environmental change", *Cambridge Journal of Archaeology*, vol. 4, 130-139
- 2.52 1994 "The pottery from a Middle-Uruk dump at Tepe Sharafabad, Iran: A technological study", in *Terre Cuite et Société* (D. Binder, ed.), Antibes: A.P.C.D.A. , pp. 269-301.
- 2.53 1994 Whispers from the context of real life: towards pluriformity in Archaeology, *Archaeological Dialogues*, 2, 133-164.
- 2.54 1994 (et al.).— L'Habitat rural romain en basse vallée du Rhône : de l'utilisation de la télédétection et des S.I.G. en archéologie. *Nouvelles de l'Archéologie* 57 : 46-50.
- 2.55 1994 Innovation et tradition chez les potiers mexicains ou comment les gestes techniques traduisent les dynamiques d'une société. In : B. Latour & P. Lemonnier (sous la direction de), *Intelligence Sociale des Techniques. Des Babouins aux missiles de croisière*, pp. 310-328. Paris : Editions La Découverte.
- 2.56 1994 La dynamique des innovations. *Alliages* 21 (*Penser la technique*) : 28-42.
- 2.57 1995 "Social and natural aspects of degradation", in *Proceedings of the Summer School "Desertification in a European Context"*, pp. 57-76 Brussels: Commission of the European Communities.
- 2.58 1995 (with M. Lemon & R. Seaton), "Agricultural Policy and Desertification: a case study of the Argolid", in *Proceedings of the Summer School "Desertification in a European Context"*, pp. 197-212, Brussels: Commission of the European Communities.
- 2.59 1995 Conclusions : dégradation de l'environnement et recherches multidisciplinaires, in *L'Homme et la dégradation de l'environnement*, pp. 430-451, Antibes : APDCA (Actes du XV<sup>e</sup> Colloque international d'archéologie et d'histoire d'Antibes).
- 2.60 1997 (with J. McGlade), "Structural change and bifurcation in urban evolution: a non-linear dynamical perspective". in: *Archaeology: Time, Process and Structural Transformations* (ed., with J. McGlade), pp. 331-372, London : Routledge.
- 2.61 1997 (with J. McGlade) "Archaeology and nonlinear dynamics: new approaches to long-term change", in *Archaeology: Time, Process and Structural Transformations* (ed., with J. McGlade), pp. 1-31, London : Routledge.
- 2.62 1997 "Crise environnementale et temporalités", in: *Les Temporalités de l'Environnement* (Proceedings, Colloque PIREVS, Toulouse, Nov. 5-7, 1997), vol 2., pp. 383-392, Toulouse: CNRS.
- 2.63 1998 ARCHAEOMEDES: désertification et dégradation des terres en Europe, *Aménagement et Nature*, 129 (juin), 79-86
- 2.64 1998 "Exchange and trade in ceramics: some notes from the potter's point of view?" in *Proceedings of the international symposium on trade in pottery in ancient Greece* (J. Crielaard, ed.), Amsterdam, pp. 1-21

- 2.65 1998 (with F. Favory) "Archaeomedes, une recherche collective sur la dynamique spatio-temporelle de l'habitat antique dans la vallée du Rhône: bilan et perspectives", *Revue Archéologique de Narbonnaise*, 17, 33-56
- 2.66 1998 "La nature serait-elle d'origine culturelle ? Histoire, archéologie, sciences naturelles et environnement", in *Nature et Culture* (sous la direction de F. Joulian et A. Ducros), pp. 83-98 Paris: Errance.
- 2.67 1998 ARCHAEOMEDES: la longue durée et l'étude socio-environnementale de la dégradation, *Nature-Sciences-Sociétés*, 6(4), 53-58.
- 2.68 1999 (with S. Servain-Courant and S. Green) "Evolution des activités agricoles et impacts sur les formations végétales dans la plaine de Doliana (Epire, Grèce)" Proceedings of the Workshop "Principes écologiques de gestion des paysages agraires", Paris: CNRS.
- 2.69 1999 Degradation and desertification: some lessons from the long-term perspective" in *Desertification and Land Degradation in a European context: research results and political implications*, (P. Balabanis, D. Peter, A. Ghazi & M. Tsegas, eds.), Vol. 1, Luxembourg: Publications of the European Commission., pp. 17-31
- 2.70 1999 S.E. van der Leeuw, S. Thiébault. 1999. Introduction au Dossier 'Environnement et Archéologie', *Nouvelles de l'Archéologie*, 78 (1999-4), pp. 5-6.
- 2.71 1999 S. E. van der Leeuw (with G. Chouquer and A. Tabbagh). 1999. La contribution de l'archéologie à l'étude géographique des sociétés anciennes, *Nouvelles de l'Archéologie*, 78 (1999-4), pp. 6-8.
- 2.72 2000 "Land degradation as a socio-natural process", in "The way the wind blows: Climate, History and human perception" (R. McIntosh & J. Tainter, eds.), New York: Columbia University Press, pp. 364-393.
- 2.73 2000 "Making tools from stone and clay", in: *Australian Archaeologist. Collected Papers in honour of J. Allen* (T. Murray and A. Anderson, eds.), Canberra: ANU Press, pp. 69-88
- 2.74 2000 "Drylands present and past: Searching for the causes and consequences of desertification, land degradation and land abandonment on the northern mediterranean shores", in *the Archaeology of Drylands : Living on the Margins* (G. Barker and D. Gilbertson, eds.), London: Routledge, pp. 336-353
- 2.75 2000 (with F. Favory and Th. Odiot) "Etude plurimillénaire des rapports société-milieu dans la vallée du Rhône", *Géomètre* 5, may 2000, pp. 42-44.
- 2.76 2000 "Some potential problems with the implementation of Annex IV of the UN Convention to Combat Desertification", in: *Desertification in Europe: Mitigation Strategies, Land Use And Planning* (G. Enne, Ch. Zanolla & D. Peter, eds.), Luxembourg: Official Publications Office of the European Union, pp. 249-262.
- 2.77 2000. (with M. Lemon) The role of social enquiry in the structuring of environmental issues: water degradation in the Argolid valley, Greece. In: *Indicators for assessing desertification in the Mediterranean*. Actes du international seminar de Porto Torres, Italie, 18-20 septembre 1998, pp. 224-239. Porto Torres : Osservatorio Nazionale sulla Desertificazione.
- 2.78 2001 "Sallèles d'Aude: vingt ans de recherches autour d'un atelier de poterie" in: *Vingt ans de recherches à Sallèles d'Aude* (sous la direction de F. Laubenheimer), Besançon: Presses Universitaires Francomtoises, pp. 287-294.
- 2.79 2001 " 'Vulnerability' and the integrated study of socio – natural phenomena ", *IHDP Update*, 2/01, April 2001, pp.6-7
- 2.80 2001 (with C. Aschan-Leygonie) "A long-term perspective on resilience in socio-natural systems" *Working Papers of the Santa Fe Institute*, n° 01-08-042 ([www.santafe.edu/sfi/publications/01wplist.html](http://www.santafe.edu/sfi/publications/01wplist.html))
- 2.81 2001 Environmental Archaeology. In: *International Encyclopedia of the Social and Behavioural Sciences*. Oxford : Elsevier Science Publishers, pp.
- 2.82 2002. Why model? In: R. Trappl (sous la direction de) *Cybernetics and Systems 2002* (Proceedings of the 16<sup>th</sup> European Meeting on Cybernetics and Systems Research, Vienna, April 2-5), vol 1, pp. 400-401.
- 2.83 2002 Why model? Lettre du Département SHS du CNRS, October 2002, pp. 25-27
- 2.84 2002 (with B.L. de Vries) " Empire: the Romans in the Mediterranean " In : B.L. de Vries et J. Goudsblom (eds.) *Mappae Mundi: Humans and their habitats in a long-term socio-ecological perspective* Amsterdam : Amsterdam University Press, pp. 209-256

- 2.85 2002 (with C. L. Redman) “Placing anthropology at the center of environmental studies”. *American Antiquity*, 67 (4)
- 2.86 2003 (with C. Lévêque, T. Muxart, L. Abbadie, A. Weill) “L’anthroposystème : entité structurelle et fonctionnelle des interactions sociétés-milieus” in C. Lévêque and S.E. van der Leeuw (eds.) *Quelles natures voulons nous ? Pour une approche socio-écologique du champ de l’environnement*. Paris: Elsevier, pp. 110–129.
- 2.87 2003 (with J.-F. Berger, F. Favory, T. Muxart, F.-P. Tourneux), “Comment identifier, analyser et évaluer les dynamiques d’interactions entre les sociétés et leurs environnements” in *Quelles natures voulons nous ? Pour une approche socio-écologique du champ de l’environnement* (C. Lévêque and S.E. van der Leeuw, eds.). Paris: Elsevier, pp. 146-184.
- 2.88 2003 “Une étude des causes de la dégradation des terres et de la désertification en Europe méditerranéenne”, in *Archéologie et systèmes socio-environnementaux: études multiscalaires sur la vallée du Rhône dans le programme ARCHAEOEDEDES* (S.E. van der Leeuw, F. Favory and J.-L. Fiches, eds.) Valbonne : CNRS (Monographies du CRA), pp. 11-19.
- 2.89 2003 “Les études multiscalaires sur la vallée du Rhône”, in *Archéologie et systèmes socio-environnementaux: études multiscalaires sur la vallée du Rhône dans le programme ARCHAEOEDEDES* (S.E. van der Leeuw, F. Favory and J.-L. Fiches, eds.) Valbonne : CNRS (Monographies du CRA), pp. 21-41.
- 2.90 2003 (with Ph. Verhagen, F. Favory) “Intégration et traitement des données géographiques” , in *Archéologie et systèmes socio-environnementaux: études multiscalaires sur la vallée du Rhône dans le programme ARCHAEOEDEDES* (S.E. van der Leeuw, F. Favory and J.-L. Fiches, eds.) Valbonne : CNRS (Monographies du CRA), pp. 239-254.
- 2.91 2003 (with F. Audouze) “Conclusion : vers une pluridisciplinarité élargie”, in *Archéologie et systèmes socio-environnementaux: études multiscalaires sur la vallée du Rhône dans le programme ARCHAEOEDEDES* (S.E. van der Leeuw, F. Favory and J.-L. Fiches, eds.) Valbonne : CNRS (Monographies du CRA), pp. 323-328.
- 2.92 2003 (with Michiel Gazebeek) “L’Argonne dans l’Antiquité : étude d’une région productrice de céramique et de verre”, *Gallia*, 60, pp. 269-317.
- 2.93 2004 (with F. Favory and J.-J. Girardot), “The archaeological study of environmental degradation : an example from Southeastern France” in : *The Archaeology of Global Change* (C.L. Redman, ed.), Washington DC: Smithsonian Press, pp. 112-129
- 2.94 2004 “Vegetation dynamics and land use in Epirus”, in: *Dynamics in mediterranean vegetation landscapes* (S. Mazzoleni, G. Di Pasquale, P. Di Martino and F. Rego), London: Wiley, pp. 121-141.
- 2.95 2004 “Non-linear processes and archaeology”, in: *Key concepts in archaeology* (A.C. Renfrew and P. Bahn, eds.), London: Routledge, pp. 182-186.
- 2.96 2004 (with S. Méry, K. McSweeney and W. Y. Al Tikriti), “New approaches to a collective grave from the Umm an Nahr period at Hili”, *Paléorient* 30(1): 163-178
- 2.97 2005 “Why Model?”, *Cybernetics and Systems* 35 (2-3), 117-128.
- 2.98 2005 “Climate, hydrology, land use, and environmental degradation in the lower Rhone Valley during the Roman Period”, *C.R. Geoscience*, 337 (1-2), 9-27.
- 2.99 2005 (with C. Aschan-Leygonie), “A long-term perspective on resilience in socio-natural systems” in: *Micro–Meso–Macro. Addressing Complex Systems Couplings* (U. Svedin and H. Liliénstrom, eds.), pp. 227-264, London: World Scientific
- 2.100 2005 “Why Dutch archaeology isn’t what it was forty years ago”, in *Innovatie in de Nederlandse Archeologie* (M.H. van den Dries and W.J.M. Willems, eds), pp. 7-22. Gouda: SIKB
- 2.101 2005 (with R.W. Brandt, M. Gazebeek and Ph. Verhagen), “La gestion du patrimoine archéologique régional ou de l’usage des modèles prédictifs en SIG: l’Argonne, un cas d’école”, in *Temps et espace de l’homme en société, analyses et modèles spatiaux en archéologie*, pp. 93-103. Antibes: APDCA (XXVe Rencontres internationales d’Archéologie et d’Histoire d’Antibes)
- 2.102 2006 (with O. R. Young, F. Berkhout, G.C. Gallopin, M.A. Janssen, E. Ostrom), “The Globalization of socio-ecological systems: An agenda for scientific research”, *Global Environmental Change* vol 16 (3), pp. 304-316
- 2.103 2006 “Crises vécues, crises perçues”. In: *Temps et espaces des crises de l’environnement* (C. Beck, Y. Luginbühl, T. Muxart, eds.), pp. 351-368. Paris: Editions Quae.

- 2.104 2007 (with J.A. Dearing, L.J. Graumlich, R.H. Grove, A. Grübler, H. Haberl, F. Hole, C. Pfister) “Group Report: Integrating Socioenvironmental Interactions over Centennial Timescales – Needs and Issues”. In: *Sustainability or Collapse?* (R. Costanza, L.J. Graumlich, W. Steffen, eds.), pp. 243-274. Cambridge, Mass: MIT Press (Dahlem Workshop Reports)
- 2.105 2007 “Information Processing and Its Role in the Rise of the European World System”. In: *Sustainability or Collapse?* (R. Costanza, L.J. Graumlich, W. Steffen, eds.), pp. 213-241. Cambridge, Mass: MIT Press (Dahlem Workshop Reports).
- 2.106 2007 (with J.-F. Berger and L. Nuninger) “Modeling the Role of Resilience in Socio–Environmental Co–evolution: The Middle Rhône Valley between 1000 B.C. and A.D. 1000”, in *The Model-Based Archaeology of Socio-natural Systems* (T. Kohler & S.E. van der Leeuw, eds.), Santa Fe, NM: School of Advanced Research.
- 2.107 2007 “Historical Socionatural Systems and Models: An Introduction to the Volume” in *The Model-Based Archaeology of Socio-natural Systems* (T. Kohler and S. E. van der Leeuw, eds.), Santa Fe: School of Advanced Research.
- 2.108 2007 S.E. van der Leeuw “Including Humans in Earth System Modelling”, *Global Change Newsletter* 69 (Guest editorial), May 2007.
- 2.109 2008 D. W. Read & S.E. van der Leeuw, “Biology Is Only Part Of The Story ...”, *Philosophical Transactions of the Royal Society, Series B* 363, 1959-68
- 2.110 2008 “Durabilité et archéologie environnementale”, *Archéopages* 97-102
- 2.111 2008 D.W. Read, D. Lane & S.E. van der Leeuw “The innovation innovation”, Chapter 3 in D. Lane, D. Pumain, S. E. van der Leeuw and G. West (eds.) *Complexity Perspectives on Innovation and Social Change*, Berlin: Springer (Methodos series), to appear late 2008. Currently available at <http://repositories.cdlib.org/hcs/DWR2008/>

#### Papers in press

- 2.112 D. Lane, R. Maxfield, D.W. Read & S.E. van der Leeuw, “From Population thinking to organization thinking”, Chapter 2 in D. Lane, D. Pumain, S. E. van der Leeuw and G. West (eds.) *Complexity Perspectives on Innovation and Social Change*, Berlin: Springer (Methodos series), to appear 2008
- 2.113 S.E. van der Leeuw, D. Lane, D. W. Read, “The long-term evolution of social organization”, Chapter 4 in: D. Lane, D. Pumain, S. E. van der Leeuw and G. West (eds.) *Complexity Perspectives on Innovation and Social Change*, Berlin: Springer (Methodos series), to appear 2008
- 2.114 Ferrari, D., D.W. Read & S.E. van der Leeuw, “An Agent-based Model of Information Flows in Social Dynamics. Chapter 10 in: D. Lane, D. Pumain, S.E. van der Leeuw and G. West (eds.) *Complexity Perspectives on Innovation and Social Change* Berlin: Springer (Methodos series), to appear 2008
- 2.115 S.E. van der Leeuw, “What is an ‘Environmental Crisis’ to an Archaeologist, Chapter 2 in: *The socio-natural connection: Integrating Archaeology and Environmental Studies for 21<sup>st</sup> Century Conservation* (C. Fisher, B. Hill & G. Feinman, eds.), Tucson: University of Arizona Press, to appear 2008
- 2.116 S.E. van der Leeuw, “Agency, Networks, Past And Future”, in: *Material and Nonhuman Agency* (C. Knappett & L. Malafouris, eds.), New York: Springer, to appear May 2008
- 2.117 S.E. van der Leeuw, “Land And Water, Land To Water, Water To Land: Resources, Extreme Events And Institutional Development In Medieval And Early Modern Rijnland” (The Netherlands), to appear in: *Water and Humanity: A Historical Overview* (V. Scarborough and F. Hassan, eds.), Paris: UNESCO
- 2.118 S.E. van der Leeuw, *Climate and Society: Lessons from the past 10,000 years*. To appear in *Ambio*, 2008

#### Reviews, etc. in print

- 3.1 1978 CA\* comment on: D.W. Read and S. LeBlanc, Descriptive statements, Covering Laws and Theories in Archaeology, *Current Anthropology*, 19, pp. 328-9.
- 3.2 1981 CA\* comment on: P. Rice, Evolution of specialised pottery production, *Current Anthropology*, 22, pp. 235-236.
- 3.3 1982 Review of: D.L. Clarke, Analytical Archaeology, 2nd ed., *Bibliotheca Orientalis*, 39 (5-6), col. 676-679.
- 3.4 1983 Review of: O.S. Rye, Pottery Technology: Principles and Reconstruction, *American Antiquity*, 48 (1), pp. 206-207.
- 3.5 1983 Review of: S. Champion, Archeologische Termen en Technieken (Dutch edition of Dictionary of terms and techniques in archaeology), *Bulletin Koninklijke Nederlandse Oudheidkundige Bond*, 82(2), pp. 36-37.
- 3.6 1985 Review of: 25 years of medieval archaeology (D.A. Hinton, ed.), *Archaeological Journal*, 1984, pp. 349-350.
- 3.7 1987 Review of: Archäologische und schriftliche Quellen zur spätmittelalterliche und neuzeitliche Geschichte der Hansestadt Lübeck (A. Falk, R. Hammel, eds.) *Nouvelles de l'Archéologie* 29, pp. 61.
- 3.8 1994 Review of : Gérard Chouquer & François Favory. Les Arpenteurs Romains: Théorie et Pratique. *Antiquity*. 68 : 461-462.
- 3.9 1999 "Prospection thématique des ateliers de potiers d'Argonne", *Bilan Scientifique du Service Régional de l'Archéologie Lorraine* 1997, pp. 131-132
- 3.10 2001 "Ateliers de potiers de l'Argonne", *Bilan Scientifique du Service Régional de l'Archéologie de Champagne-Ardenne* 1999, pp. 134-136
- 3.11 2002 "Introduction", in Princesses celtes en Lorraine (L. Olivier, ed.), Jarville-Malgrance : Musée de l'Histoire du Fer, pp. 1-4.

#### Reports and unpublished manuscripts

- 4.1 1972 Westeuropa en de Levant in de vroege Middeleeuwen: enige opmerkingen bij het gebruik van protohistorische methoden bij de studie van prehistorische verschijnselen (Western Europe and the Levant in the Early Middle Ages: some remarks concerning the use of the methodology of protohistory in studying prehistoric phenomena), Unpubl. 'Doctoraal' (M. Litt.) thesis, University of Amsterdam, iv + 132 pp.
- 4.2 1980 *Analysis of the Early Neolithic pottery from Piana di Curinga, Calabria*. (Report to the Laboratorio di Ecologia, Università di Parma, Italy.)
- 4.3 1993 (editor) *Understanding the natural and anthropogenic causes of soil degradation and desertification in the Mediterranean basin*, (First year report to the Commission of the European Communities, DG XII, on contract EV5V-0021). 450 pp.
- 4.4 1993 (editor, with J.-L. Fiches and F. Audouze), *Hommes, espaces et techniques dans la région de Fréjus. Occupation et environnement dans le bassin de l'Argens depuis le Néolithique* (Rapport d'ATP "Grands Projets d'Archéologie Métropolitaine), 543 pp.
- 4.5 1994 / 5 (ed. and author of a number of (cf. van der Leeuw *the natural and anthropogenic causes of soil degradation and desertification in the Mediterranean basin*. Bruxelles : DG XII de l'Union Européenne (Final report of the ARCHAEOMEDES I Project ), 6 vol.  
 Vol. 1 : *Land degradation in Epirus*, 330 p.  
 Vol. 2 : *Temporalities and desertification in the Vera basin*, 326 p.  
 Vol. 3 : *Dégradation et impact humain dans la moyenne et basse vallée du Rhône dans l'Antiquité*, 2 parts, 281 p. + 315 p.  
 Vol. 4 : *Degradation, desertion and urban impact in the lower Rhone valley 1800-1990*, 159 p.  
 Vol. 5 : *Agricultural production and water quality in the Argolid, Greece*, 2 vols, 166 p. + 88 p.  
 Vol. 6 : *Synthesis*, 442p.
- 4.6 1995 (editor, with N. Winder), *Environmental perception and policy making: Cultural and Natural Heritage and the Preservation of Degradation-Sensitive Environments in Southern*

- Europe (First year report to the Commission of the European Communities, DG XII, on contract EV5V-CT94-0486), 156 pp.
- 4.7 1996 (ed., with N. Winder) *Environmental perception and Policy Making: Cultural and Natural Heritage and the Preservation of Degradation-Sensitive Environments in Southern Europe*. Brussels: DG XII of the European Union (2nd annual report), 2 vols, 227 pp.
- 4.8 1996 (ed.) *Les ateliers céramiques gallo-romains et médiévaux de l'Argonne*. Metz: SDA de Lorraine (1st. annual report), 56 pp.
- 4.9 1997 (ed., with N.P Winder) *Environmental perception and Policy Making: Cultural and Natural Heritage and the Preservation of Degradation-Sensitive Environments in Southern Europe*. Brussels: DG XII of the European Union (final report ), 4 vols, 522 pp.
- Vol. 1 : P. Filippucci, S. Green, P.A. Jeffrey, R. Langevin, M. Lemon, R.A. Seaton, S.E. van der Leeuw, N.P. Winder, B. Wirtz. Perception, policy and unforeseen consequences: an interdisciplinary synthesis, 191 pp.
- Vol. 2 : P. Filippucci, The politics and perception of territorial value: the case of Bassano, Italy, 120 pp.
- Vol. 3 : S.F. Green. Notes on the nature and making of margins in Epirus, 116 pp.
- Vol. 4 : M. Lemon. Integrative method and policy-relevant research in the Argolid, Greece, 94 pp.
- 4.10 1997 (ed.) *ARCHAEOMEDES II: Policy-relevant models of the natural and anthropogenic dynamics of degradation and desertification and their spatio-temporal manifestations*. Brussels : DG XII of the European Union (1st annual report), 331 pp.
- 4.11 1997 (ed.) *Les ateliers céramiques gallo-romains et médiévaux de l'Argonne*. Metz: SRA de Lorraine, 5 vols (2nd annual report), 738 pp.
- 4.12 1998 (ed.) *ARCHAEOMEDES II: Policy-relevant models of the natural and anthropogenic dynamics of degradation and desertification and their spatiotemporal manifestations*. Brussels : DG XII of the European Union (2nd annual report), 396 pp.
- 4.13 1999 1999- (ed.) *Les Ateliers céramiques gallo-romains et médiévaux de l'Argonne. Rapport Triennal (1996-1999)* . Metz: SRA de Lorraine, 9 vols. (Final report)
- vol. 1: *Introduction, conclusions, recommandations* (R. Brandt and S.E. van der Leeuw)
- vol. 2: *Prospections pédestres* (Chr. Denimal, M. Gazenbeek, L. Lautier, P. Martin-Ripoll, A.J. Spruijt)
- vol. 3: *Carrottages, prospections géophysiques* (R. Exaltus, J. Orbons, S. Papamarinopoulos, S.E. van der Leeuw, P. Verhagen)
- vol. 4: *Pré-étude des photographies aériennes* (S. Robert)
- vol. 5: *Les fouilles de quelques fours gallo-romains* (M. Gazenbeek, L. Lautier)
- vol. 6: *Les mollettes gallo-romaines de l'Argonne* (P. van Ossel, W. Dijkman, L. Meyer)
- vol. 7: *Inventaire des sites* (M. Gazenbeek)
- vol. 8: *Inventaire des céramiques trouvées en prospection* (C. Denimal, A.J. Spruijt)
- vol. 9: *Analyse technique des céramiques* (A.J. Spruijt, S.E. van der Leeuw)
- 4.14 1999 (ed.) Final Report, *ARCHAEOMEDES II: Policy-relevant models of the natural and anthropogenic dynamics of degradation and desertification and their spatiotemporal manifestations*, Brussels : DG XII of the European Union
- vol. 1 : *A policy-relevant integrative framework for examining socio-natural dynamics in the Marina Baja (Spain) and the Argolid (Greece)* (M. Lemon, T. Oxley, S.F. Green, M. Mata-Porrás, C. Blatsou, P.M. Allen, A. Robinson), 446 pp
- vol. 2 : *Negotiating perceptions of fragile environments in Epirus, Northwestern Greece* (S.F. Green, S. Servain-Courant, V. Papapetrou, V. Nitsiakos, G.P.C. King), 152 pp.
- vol. 3 : *Environmental sustainability and the recent socio-spatial changes in the portuguese region of Baixo Mondego* (P. Hespánha, J. Reis, P. Reis, L. Sampaio, P. Triboulet), 118 pp.
- vol. 4 : *Human ecodynamics and land-use conflict: monitoring degradation-sensitive environments in the Empordà, north-east Spain* (J. McGlade and M. Picazo, eds.) 260 pp.
- vol. 5 : (tomes 1 and 2) *A multiscalar investigation into the dynamics of land abandonment in Southern France* (S. Lardon, L. Sanders, et al.), 286 + 178 pp.

- vol. 6 :A *MODFLOW* model of aquifer flow in the Argolid, Greece (A. Poulouvasilis & T. Giannouloupoulos), 115p.
- vol. 7 : N.P. Winder, *The Path-Finder as a Historian*, 212 pp.
- 4.15 2000 "Policy makers, policies and policy problems seen from the field" (with M. Mata-Porrás, C. Blatsou, R.A.F. Seaton, N.P. Winder), in: *MODULUS, A spatial modelling tool for integrated environmental decision-making* (G. Engelen, ed.), 3 vols. + 1 CD-ROM, Brussels: European Union (DG Research), pp. 28-100.
- 4.16 2001 (ed., with S. Oberg) "*Environmental Communication*" Final Report to DG Research of the European Commission on the Concerted Action "*Environmental Communication*" (contract ENV5-CT97-0684). Brussels: European Union (DG Research), 240 pp.
- 4.17 2001 S.E. van der Leeuw. Brief report on a preliminary study of the shaping techniques used to make some of the vessels from the Hili cemetery (Abu Dhabi, UAE), 30 pp.
- 4.18 2002 (ed.). *Développement d'outils pour une politique de valorisation du patrimoine paysager: le cas de l'Argonne*. Rapport au ministère de l'Environnement et de l'aménagement du Territoire. Paris : MATE, 2 vols, 232 + 198 pp.
- 4.19 2002 (with M. Godelier, Ph. Laredo, H. Bruhns et al.) *L'état des Sciences de l'Homme et de la Société en France et leur rôle dans la construction de l'Espace Européen de la Recherche*. Report to the Prime Minister of France, Paris: Maison des Sciences de l'Homme/EPHE
- 4.20 2003 (with M. Godelier, M. Kaase, John H. Smith) *Defining a Methodology to Assess the State of the Art of the Social Sciences and Humanities in Europe*. Discussion Paper, Prepared for the European Commission's Directorate-General for Research. Brussels.
- 4.21 2004 (ed.), *Comptes-rendus du "Colloque de Prospective Societe-Environnement"*. Proceedings of the (French) national meetings on the Society-Environment research program of the CNRS/INSU. Paris, February 2004, 175 pp.
- 4.22 2005 (with many others), *Global Land Project Science Plan and Implementation Strategy*, Stockholm: IGBP
- 4.23 2007 (coordinator, with J. Buizer, D. Sarewitz and C. Redman, members), *Transforming The Global Institute Of Sustainability: Inventory, Analysis and Strategy Suggestions*. Report prepared for the Provost and the Vice-President for Research and Economic Affairs of Arizona State University, 120 pp + 280 pp appendices.

### Conferences, symposia organised

- 1980
- International Symposium on 'Growth of Complexity', Institute for Pre- and Protohistory, University of Amsterdam, Holland, Sept. 3-4.
  - Symposium on 'Roman and Native in the Low Countries', Department of Archaeology Free University, Amsterdam, Holland, December 17-18, (Co-organiser with R.W. Brandt, J. Slofstra and W.J.H. Willems)
- 1982
- Second Wenner-Gren Symposium on Ceramics: 'Multidimensional Approaches to the Study of Pottery', held in Lhee, Holland, March 14-20.
- 1984
- Symposium on the 'Assendelver Polders Project', Theoretical Archaeology Group Conference, Cambridge, December 15.
- 1986
- Symposium on 'Social and Economic Contexts of Technological Change', World Archaeological Congress, Southampton, September 4-7 (Co-organiser with Dr. R. Torrence).
- 1987
- Symposium on 'Contrastive Strategies in Archaeology', Theoretical Archaeology Group Conference, Bradford, December 7.
- 1988
- 'Empires in Comparative Perspective', Society for American Archaeology, Phoenix, AZ, April 28 (with Dr. T. Earle).
  - Workshop on Ancient Ceramic Technology, Université de Paris I - Sorbonne, June 8-9
  - 'Problems in Iron Age Archaeology', Cambridge, Dec. 8-9. (With Dr. C. Morgan & G. Woolf).
- 1989
- ERASMUS Advanced Seminar on "Archaeological Reconnaissance", Cambridge (Department of Archaeology & Fitzwilliam College), April 1-13.
  - ERASMUS Advanced Seminar on "Ancient Ceramic Technology", Paris (Université de Paris I - Sorbonne), May 15-26.
  - Anglo-French Comparative Workshop on Technology, Cambridge, November 16.

- 1990
  - ERASMUS Advanced Seminar on "Archaeology as a Resource", Amersfoort (Rijksdienst voor het Oudheidkundig Bodemonderzoek), The Netherlands, May 13-23
  - ERASMUS Advanced Seminar on "Stone Tool Technology", Etiolles-Pincevent, Cuiry-lès-Chaudardes (University of Paris I/Sorbonne, URA 12 & 28, CRA/CNRS) June 21-July 1,
  - Wenner-Gren Symposium on "Dynamical Modelling and Human Systems", Cambridge, December 10-14 (With A.C. Renfrew),
- 1991
  - ERASMUS Advanced Seminar on the Data Processing of Archaeological Images, Valbonne, June 20-July 1.
- 1992
  - Table-Ronde sur "Les frontières de l'Empire Romain dans une perspective comparative", Nemours, May 17-20 (with P. Brun, Chr. Goudineau and D. Whittaker).
  - ERASMUS Advanced Seminar on "the Archaeological Landscape and its Management", Valbonne, September 1-11.
- 1994
  - 15th Rencontres Internationales d'Archéologie et d'Histoire, Antibes, on "L'Homme et la dégradation du milieu", October 20-22, 1994
- 1995-96
  - Member of the Organising Committee, "International Conference on Desertification and Land Degradation in a European Context : Research Results and Political Consequences", Sissi, GR, 28.10-1.11.1996
- 1997-99
  - Member of the Organising Committee, MEDESERT 1999, Perpignan (Fr.)
- 2000
  - (with T. Kohler) Santa Fe Institute workshop on " Conceptualisation of human-environmental dynamics: steps towards a unified evolutionary modelling framework " Santa Fe Institute, NM. December 4-7
- 2001
  - (with U. Svedin and T. Kohler) FORNAS-SMC workshop on " Emergence, Transformation and Decay in Socio-natural Systems ", Abisko/Kiruna, May 19-24.
- 2001
  - (With C. Lévêque, M. Grove and C. Redman) CNRS-NSF collaborative planning workshop on urban ecology, Baltimore, October 25-29.
- 2001
  - Round table " Influence des pressions humaines sur les grandes dynamiques naturelles " in the conference on " Quelles natures voulons-nous, Quelles natures aurons-nous ? ", of the " Environnement, Vie et Société " Program of the CNRS, Lille, 13 November.
- 2004
  - National research planning conference ' Sociétés et Environnements ', INSU/CNRS, Paris, February 5-6.
  - Joint Santa Fe Institute – Slovenian Academy of Sciences workshop and symposium on "The Dynamics of Groups and Institutions. their emergence, co-evolution, and environment", Ljubljana, June 5-11.
  - (with T. Kohler) Santa Fe Institute Workshop on "Modeling Long-Term Culture Change", Santa Fe, October 24-27.
- 2005
  - IHDP Mid-Term Review Workshop "Key Challenges for Human Dimensions Research", Tempe, AZ, February 9-12,
  - IHDP Workshop on "Modeling Socio-Environmental Systems", Tempe, AZ, February 13-14,
  - Plenary Session "The Challenge of Inter-disciplinarity in Global Change Research: Epistemological and Organizational Aspects", IHDP Open Science Meeting, Bonn, Germany, October 12
- 2006
  - (with G. Brasseur, T. Hoskins, P. Leadley, G. Gallopin) "Future Directions in Earth System Modeling", symposium organized at the Earth Systems Science Partnership Open Science Conference, Beijing, China, November 12
  - (with P. Bourguin, R. Dum, J. Johnson) DG Research workshop on "Science of Complex Systems: Can Science Guide Policies?", Brussels, December 16-17

**Other**

- 1994 Scientific adviser, "Les apprentis sorciers", Film produced for DGXII and FR3 on desertification in Southern Europe.
- 1995 Contributor, travelling exhibition "Science, Technologie et Patrimoine en Europe" (French Ministries of Culture and Science)

**Related activities**

- 1984 Founder-Member of the Dutch Society for Ethnoarchaeological Research (SEAON), Utrecht (and presently member of its Advisory Board).
- 1986 - 2000 Member, Editorial Board, *Advances in Archaeological Method and Theory* (U.S.A.).
- 1987 - 2001 Member, Editorial Board, *Journal of World Prehistory* (Plenum, U.S.A.).
- 1988 - 1993 Member, Editorial Board, *Journal of Mediterranean Archaeology* (U.K.).
- 1988 - 1994 Member, Conseil Scientifique, Centre de Recherches Archeologiques, CNRS, France.
- 1988 - 1991 Member of the Council, Royal Anthropological Institute (and Chair, Archaeology-Anthropology Committee).
- 1989 - 1992 Member, Editorial Board, *MAN* (U.K.)
- 1989 - 1993 Coordinator, ERASMUS programme on Archaeology with Universities of Amsterdam, Universitat Autònoma de Barcelona, Université de Paris I-Sorbonne, Università di Padova, Universität des Saarlandes, Istituto Universitario Orientale, Napoli.
- 1991 - 1993 External examiner, Department of Archaeology, University of Edinburgh.
- 1992 - 2000 Coordinator, European Union (DG XII-Environment) Research Programme ARCHAEOMEDES on "Understanding the Natural and Anthropogenic Causes of Land Degradation and Desertification in the Mediterranean Basin", federating teams at the Universities of Amsterdam (NL), Paris I, Besançon, Strasbourg, Dijon (all F), Barcelona (Autònoma & Pompeu Fabra) (both ES), Cambridge, Cranfield (both UK), Athens, Ioannina (both GR), Padua (I), Coimbra (PT), together with INRA and the CNRS (France), the Greek Geological Service (IGME) and the Slovenian Academy of Sciences.
- 1995 - 2002 Co-editor of the series *Environment and Society*, Gordon and Breach publishers, London.
- 1996 - 1999 Member of the Steering Committee of the Concerted Action "*Degradation and desertification in Europe*" of DG XII of the European Union
- 1996-2000 : Member of the International Scientific Board of the *Spatial Modelling Centre*, universités de Uppsala et d'Umea, Kiruna, Suède.
- 1997 - present Expert to DG XII of the Commission of the European Union on matters concerning the *Climate and Natural Hazards Research Programme*
- 1997 - present Expert to DG X of the Commission of the European Union on matters concerning the Archaeological Heritage
- 1997 - 2004 Director of the DEA *Environnement et archéologie*, universités of Paris I, Paris VI, Paris X, MNHN, université de Franche Comté.
- 1998 - 2001 Co-coordinator, Concerted Action "*Environmental Communication*" of DG XII of the European Union
- 1998 - 2000 Consultant, "MODULUS" Project (DG XII, European Union), Research Institute for Knowledge Systems, Rijksuniversiteit Maastricht, Netherlands
- 1998 - 2003 Co-coordinator, European Heritage Laboratory "Archives of European Archaeology", federating 15 academic institutions in 11 European countries, financed by DG X of the European Union and various national bodies.
- 1999 - 2002 Member of the Advisory Board, *Mappa Mundi* Project of the *Hollandse Maarschappij der Wetenschappen*, Haarlem, Netherlands
- 2000 - present Member, Conseil Scientifique, Fondation Fyssen, Paris
- 2000 - 2001 Member, Comité scientifique and Comité de suivi, Colloque "Les SHS dans l'espace européen de Recherche", Ministère de la recherche, Paris.
- 2001 - 2003 Director of the section "Archéologie environnementale" of the l'UMR 7041-ArScAn, CNRS/universités de Paris 1 et 10, Nanterre.
- 2001 - 2003 Member, Editorial Board, *Ecosystems* (U.S.A.)
- 2001 - 2003 Member, Steering Committee, Concerted Action "MEDRAP", DG Research, European Union.
- 2001 - 2002 Member of the Steering Committee, CNRS Research Programme on "Société, Environnement, Développement Durable", Paris, France.
- 2001 - 2003 Fellow, Spatial Modelling Centre, University of Umea, Sweden.
- 2001 - 2003 Secretary-General ('Rapporteur-Général'), French National Coordination Council for the Social Sciences and Humanities, Ministry of Research, Paris, France.
- 2001 - 2002 Member, working group preparing a report for the French prime minister on the development of the social sciences and humanities in a European context
- 2001 - 2002 Member of the Steering Committee, CNRS (Programme "Environnement, Vie, Société") initiative on "Zones Atelier", Paris, France.

- 2001 – 2003 “*Chargé de Mission*” on Environmental Archaeology for the Institut National de la Recherche en Archéologie Préventive (INRAP), Paris, France.
- 2002 – present Member, Editorial Board, *Natures, Sciences, Sociétés* (Elsevier, Paris).
- 2002 – 2004 Member of the Steering Committee of the Concerted Action “MODLUC”, DG Research, European.
- 2002 – 2005 : Coordinator (with C. Lévêque) of the programme “*A European network on long-term socio-environmental research*” funded by the DG Research of the European Union.
- 2002 – 2005 : Co-ordinator (with C. Redman and A. Kinzig, Arizona State University, USA) of the research programme “The resilience of urbanised socio-natural systems” (2002-2004), funded by the McDonnell Foundation (USA).
- 2002 – 2006 Co-ordinator (with D. Lane and G. West) of the research programme “*The Information Society as a Complex System*”, funded by the DG Research of the European Union as part of Key Action “The user-friendly information society”.
- 2004 – Member of the Editorial Board of “*Ecology & Society*”
- 2004 – 2007 Member of the Scientific Council of the International Human Dimensions of Global Change Program
- 2004 – Member, Editorial Board of “*Global Environmental Change*”
- 2004 – Founding Member (and Member of the Board of Governors) of the Arizona Academy of Science, Technology and Arts
- 2007 – Treasurer of the International Human Dimensions of Global Change Program
- 2007 – Member, International Program Committee, 7<sup>th</sup> Open Meeting, International Human Dimensions of Global Change Program
- 2007 – Member, Scientific Steering Committee, Analysis Integration and Modeling of the Earth System Program (IGBP)

**Fieldwork, etc.**

- 1968 Excavation of Neolithic/Bronze Age settlement near Medemblik, Holland. Director: H.H. van Regteren Altena, 2 months.
- 1970 Excavation of medieval church (Nicolaikerker), Utrecht, Holland. Field director (Project director H.H. van Regteren Altena), 6 months.
- 1971 Excavation of medieval deserted village at Kootwijk, Holland. Field director ad interim (Project directors H.H. van Regteren Altena and H.A. Heidinga), 1 month.
- 1972-1974 Survey, soundings and excavations in the Euphrates Valley, Syria (Chalcolithic, Bronze Age, Iron Age, Roman and Medieval periods). Field director (with H.J. Franken in 1st and 2nd seasons) in toto about 15 months.
- 1978 Excavation of Late Iron Age settlement in Schagen, Holland, Director, 2 months.
- 1979-1980 Consultant on ceramic analysis, Lubdub Archaeological Project, University of Michigan, Tuscaloosa, Alabama, U.S.A.
- 1979-1981 Regional research programme, including survey, soundings and excavations, Assendelver Polders, Holland. Director (with R.W. Brandt and A. Voorrips), total fieldwork 9 months.
- 1981 Ethnoarchaeological fieldwork on pottery manufacture, Bais Anthropological Project, University of Michigan, Negros Oriental, Philippines, 2 months.
- 1981-1985 Oer-IJ Estuary project, Holland, Survey and excavations, Co-investigator and consultant.
- 1987 Consultant on ceramic technology, University of Massachusetts, Amherst, Mass., U.S.A.
- 1987 Excavations of Iron Age artificial mound, Uitgeest, Holland, 1 month.
- 1987 Ethnoarchaeological fieldwork on decision making among potters, Mexico, 1 month.
- 1988 Analysis of Burial Remains of Late Mississippian Cemetery at Nodena, Arkansas in Alabama Museum of Natural History, Mound State Monument, AL, U.S.A
- 1988 Excavation of Late Neolithic/Middle Iron Age site, Saconin nr. Soissons, France, 3 wks.
- 1989 Ethnoarchaeological fieldwork on decision making among potters, Michoacan, Mexico, 1 month.
- 1990-91 Excavation of an Iron Age defended hilltop site, Peigros (Ste Maxime, Var, France), 2 months.
- 1991 Ethnoarchaeological fieldwork on decision making among potters, Michoacan, Mexico, 1 month.
- 1991-3 Survey of Massif des Maures (Var, France), 12 weeks.

1993	Soundings in the Massif des Maures (Var, France), 1 month
1994	Soundings in the Massif des Maures (Var, France), 1 month
1995	Survey and soundings in the Massif des Maures (Var, France), 1 month
1996-8	Survey and soundings of the roman pottery workshops in the Argonne, France, 5 months
2002	Analysis of bronze-age ceramics from the Hili cemetery, United Arab Emirates, 1 week
2003	Analysis of bronze-age ceramics from the Hili cemetery, United Arab Emirates, 1 week
2008	Ethno-archaeological fieldwork on pottery-making at Masafi, United Arab Emirates, 1 week

### Scholarships

1963-1964	I.I.E./Fulbright Undergraduate Scholarship for study at the University of Arizona, Tucson.
1976-1977	Fulbright Postdoctoral Research Scholarship for work at the University of Michigan, Ann Arbor.
1984	Visiting Fellow, Australian National University, Canberra, Australia.
1987	Visiting Professor, University of Massachusetts, Amherst, Mass, U.S.A.
1988	Distinguished Visiting Lectureship, Ministère de la Recherche, France
1999 – 2000	Visiting Fellowship, Santa Fe Institute, Santa Fe, New Mexico, USA
2002-2003	Marion R. & Adolph J. Lichtstern Distinguished Research Scholarship, University of Chicago, USA.

### Papers read since 1985

- |      |  |
|------|--|
| 1985 | <ul style="list-style-type: none"><li>• "Some remarks on ceramic variability." School of American Research Advanced Seminar on "Social and Behavioural Sources of Ceramic Variability" (W. A. Longacre, organiser), Santa Fé, N.M., March 25-29.</li><li>• "Social Change in the Late Bronze Age/Iron Age in Western Holland" Invited lecture, Department of Anthropology, Columbia University, New York, April 2.</li><li>• "Pots may speak, but do we know their language?" Invited lecture, Department of Anthropology, State University of New York at Binghamton, April 4.; Department of Prehistory and Archaeology, Sheffield University, February 26.</li></ul>  |
| 1986 | <ul style="list-style-type: none"><li>• "Revolutions Revisited. Theories of Social Change in Prehistory: an appraisal and some new directions", Paper presented at the V. Gordon Childe Symposium, Universidad Nacional Autonoma de Mexico, Mexico D.F., July 7-11.</li><li>• "Why Government, why cities?" Some remarks on the origins of Complex Societies and Urbanism", Invited Lecture, Instituto de Investigaciones Antropológicas, Universidad Nacional Autonoma de Mexico, Mexico D.F., August 1.</li><li>• "A Dutch example of wet-site archaeology and its potential." International Conference on wet-site archaeology, University of Florida, Gainesville, U.S., December 11-14.</li></ul>   |
| 1987 | <ul style="list-style-type: none"><li>• "Prospections et fouilles de sauvetage en milieu humide, en Hollande", Invited lecture, GS Terrains et Théories, Université de Paris I - Sorbonne, January 9.</li><li>• "Société et comportement: risques, perception et innovation", Invited lecture, GS Terrains et Théories, Université de Paris I - Sorbonne, January 12.</li><li>• "A proximal approach to the study of the end of the Roman Empire". Paper presented at the Symposium on the 1st millennium A.D., Danish Academy, Rome, January 14-17.</li><li>• "Ceramic Technology." Invited Lecture, Istituto per gli Studi del Medio ed Estremo Oriente, Rome, May 29.</li><li>• "Research Strategies in the European Iron Age". Paper presented in the symposium Contrastive strategies in Archaeology', Theoretical Archaeology Group Conference, Bradford, December 17.</li></ul> |
| 1988 | <ul style="list-style-type: none"><li>• Lecture Series "Données Archeologiques, Perception et Information: Modèles pour une société et processus individuels", Université de Paris I/Sorbonne (GS Terrains et Théories), January-May.</li><li>• "Crafts, specialisation and Innovation" Paper presented in the Symposium 'Crafts and Society'(D.A. Papoušek, convener) at the 46th International Congress of Americanists, Amsterdam, July 4-8.</li><li>• "Nonlinear modelling of settlement patterns", Paper presented at the symposium . Problems in</li></ul>   |

Iron Age Archaeology', Cambridge, December 9.

- 1989
- "Chaîne Opératoire et tradition dans la fabrication de la poterie: un exemple" Invited lecture, GDR "Techniques et Culture", Université de Paris I -Sorbonne. January 27.
  - "Perspectives on Settlement Patterns" Invited Lecture, Department of Geography, St.Davids University, Lampeter, February 11.
  - "Power and Information: some preliminary remarks" Paper presented to the Wenner-Gren Conference on 'Symbol, Meaning & Power in Prehistory', Cascais, Portugal, March 17-26.
  - "Los Alfareros de Michoacan", Invited Lecture, Instituto de Investigaciones Antropológicas, Universidad Nacional de Mexico, Mexico City, September 15
  - "Assendelft: un exemple", Paper presented at the X-iemes Rencontres Internationales d'Archeologie et d'Histoire d'Antibes (Archeologie et Espaces), Antibes, October 19-21.
  - "Archaeology, material culture and innovation", Paper presented at the Symposium "Novation in Thought", School of Cultural Studies, Tel Aviv University, December 18-22.
- 1990
- "Technological Analysis and potters' choices: the Beaker pottery example", Invited lecture, Department of Archaeology, University of Liverpool, February 3.
  - "De organisatie der Archaeologie en haar problemen", Invited lecture, Rijksdienst voor het Oudheidkundig Bodemonderzoek, Amersfoort, February 16
  - "Giving the Potter a choice", Paper, presented at the Tagung "Ethnoarchaeologie und Keramik", Museum fuer Voelkerkunde, Hamburg, February 19-22.
  - "Cognitive aspects of pottery technology", Paper, presented at the Workshop on an Explicitly Scientific Cognitive Archaeology, Cambridge, April 10-14.
  - "Ethnoarchaeology: some worries", Paper presented at the 4th annual workshop of the SEAON, Groningen, The Netherlands, October 12.
  - "Dynamical modelling and the origins of urbanism", paper presented at the conference on "Dynamical Modelling and Human Systems", Cambridge, December 10-14. (with J. McGlade)
- 1991
- "Information, coherence et dynamique urbaine", Paper presented in the seminar on "Temporalités Urbaines", Institut National d'Études Démographiques, Paris, February 8.
  - 'Tradition and innovation', Paper presented at the XIIth Rencontres Internationales d'Archeologie et d'Histoire d'Antibes (Archeologie et Espaces), Antibes, October 17-19.
- 1992
- "Analyse des céramiques", Paper presented at the Direction des Antiquités, Besançon, France, may 14.
  - "Roman expansion: when, how & how much?", Paper presented at the colloquium "*Les Frontières de l'Empire Romain dans une perspective comparative*" (P. Brun, Chr. Goudineau, S.E. van der Leeuw & D. Whittaker, eds.), May 17-20.
  - "Tradition et innovation", Paper presented at the Schlumberger Foundation Seminar on "The Human origins of Techniques -the Technical Origins of Humans" (B. Latour & P. Lemonnier, conveners) Les Treilles, France, June 15-20.
  - "Archaeology et non-linearité", Series of invited papers presented at the Department of Mathematics, University of Burgundy, Dijon, France, July 2-3.
  - "Tradition and innovation" Paper presented in the Symposium "Ceramic Ethnoarchaeology", M. Pollard, convener, at the Annual Meeting of the Theoretical Archaeology Group, Southampton, December 14
  - "Technique: Rupture et continuité", Paper presented in the series "Penser la Technique" at the Collège International de Philosophie, Paris, December 16.
- 1993
- "Innovation", Department of History and Philosophy of Science/Linacre College, Oxford, May 13
  - "Social and environmental change", DG XII Environment Programme Summer School on Desertification in a European Context, Alicante, October 7
  - "Perception and the degradation of the environment: the Argolid case study" (with R. Seaton & M. Lemon), DG XII Environment Programme Summer School on Desertification in a European Context, Alicante, October 9

- 1994
- «Tradition et innovation dans la céramique artisanale du Michoacan, Mexique» invited lecture, UFR d'Histoire de l'Art et d'Archéologie, Université Paris I - Sorbonne, May 18
- 1995
- «Perception temporelle : innovation et analyse de la culture matérielle», seminar for the UFR d'Histoire de l'art et d'archéologie, Université Paris I, Paris, March 8
  - "Land degradation in the Vera basin as a socio-natural process", International Workshop on Human reactions to climate change, Rice University, Houston, TX, September 2-7.
- 1996
- «Continuity, innovation and cognition in the early neolithic. Making tools from stone and clay", Istituto italiano per gli studi filosofici, Naples, March 27.
  - "Conclusions", Colloque international Sallèles d'Aude : vingt ans de recherche autour d'un atelier de poterie. AMPHORALIS, Sallèles de l'Aude, September 18-19.
  - "Degradation and desertification. Some lessons from the long-term perspective", "Keynote lecture". International Conference on Desertification and Land Degradation in a European context: research results and their political implications. Sissi, Greece, October 28.
  - "Trade and exchange in pottery: are we asking the right questions?" International Workshop on Trade and Exchange in Greek Pottery. University of Amsterdam, November 8-9.
- 1997
- "ARCHAEOMEDES: Desertification and Archaeology", Conférence, Space Applications Institute, Joint Research Centre of the European Union, Ispra (Italie), June 3; Department of Anthropology, University of Papua New Guinea, Port Moresby, September 1; Department of Archaeology, LaTrobe University, Melbourne, Australia, September 17; Department of Archaeology, Sydney University, Australia, September 23
  - "Crise environnementale et temporalités ", PIREVS Symposium «Les temporalités de l'environnement», Toulouse, November 5-7
  - "Some new directions in pottery studies ", Mexico DF, Jalapa (Veracruz) and Merida (Yucatan), Mexico, December 1-15
- 1998
- « The present and the past in understanding environmental issues » Department of land tenure, University of Wisconsin, Madison, Wisconsin, March 19
  - « The rôle of archaeology in European environmental research », Department of Anthropology, University of California, Berkeley, California, March 20
  - « Urban-rural relations in past and present », Department of Anthropology, Washington State University, Pullman, Washington, March 23
  - « The present and the past in understanding environmental issues », Plenary session, Society for American Archaeology Annual Meeting, Seattle, USA, 27 March
  - « Shaping the landscape: defining the rôle of technique in socio-environmental interaction », Department of Anthropology, University of Chicago, Chicago, Illinois, March 30
  - « Settlements, environmental choices and the advent of the Romans in Southern France », Department of Anthropology, University of Arizona, Tucson, Arizona, 3 April
  - « The importance of the long term in environmental research », Institute of Environmental Studies, Arizona State University, Tempe, Arizona, 4 April
- 1999
- «An archaeological direction for future geophysical contributions in prospection», XXIV European Geophysical Society General Assembly, April 20
  - «Some potential problems with the Implementation of annex IV of the UN Convention to Combat Desertification». Advanced Study Course "Desertification in Europe: mitigation strategies, land use and planning", Alghero, Sardinia, June 9
  - «Developing an approach to long-term socio-natural co-evolution», Invited lecture, Santa Fe Institute, Santa Fe, NM, USA, October 22
  - «A socio-natural approach to water depletion», invited plenary lecture in the symposium «Water and Human Sustainability» at the 1999 Annual Meetings of the Geological Society of America, Denver, Colorado, October 24
  - "ARCHAEOMEDES Program, on the subject of human-environmental relations in the past and present, on the northern rim of the Mediterranean", invited lecture, All Scientists meeting, CAP-LTER, Institute for Environmental Studies, Arizona State University, Tempe, AZ, December 13

- 2000
- “Interdisciplinarity”, LTER/NSF workshop on the integration of the Social Sciences in environmental studies, Tempe, Arizona, January 18-20
  - “Interdisciplinarity and the study of man-made disasters: the case of the Argolid”. Morrison Institute for Population and Resource Studies, Stanford University, February 2
  - (with A. Coudart) “Invited Lecture, Department of Anthropology, Arizona State University, February 15
  - “Interdisciplinarity and planning” Arizona Historical Society/Pima County/Arizona State Museum, March 6
  - “Politiques publiques et paysage dans l’Argonne”, First colloquium of the research programme “Politiques publiques et paysage” of the french Ministry of the Environment, Albi, March 28-29
  - “The role of legacies in socio-natural systems” and “A socio-natural approach to environmental problems”, Invited lectures, LTER workshop, Annual Meeting of the Ecological Society of America, Snowbird, Utah, USA, August 6 – 7
  - “Overshoot, collapse and sustainability in socio-natural systems”, 2000 Abisko Workshop of the Swedish Council for Planning and Coordination of Research, on “ Systems shocks, systems resilience”, Abisko, May 22-26
  - “Overshoot, collapse and sustainability in socio-natural systems: lessons from history?”, Symposium “Understanding the Complexity of Transition Scenarios to Sustainability”, The Balaton Group, Csopak, Hungary, September 5
  - « An interdisciplinary approach to the human dimensions of global change? » Symposium « Towards Integration in Global Change Research - outlook from a Human Dimensions perspective », Friibergh Manor, Örsundsbro, Sweden, November 17-19
  - (with C.L. Redman), “Placing Archaeology at the Center of the Study of the Socio-Natural Interface”, Annual Meeting of the American Anthropological Association, San Francisco CA, November
- 2001
- « Is culture natural or is nature cultural? A game of mirrors », Invited Lecture, Beijer Institute, Royal Swedish Academy of Sciences, Stockholm, May 7, 2001
  - « Some experiences of the ARCHAEOMEDES programme », Invited Lecture, Beijer Institute, Royal Swedish Academy of Sciences, Stockholm, May 8, 2001
  - « The complexities of integrating social and natural systems », Workshop on « Complexity–unifying themes for the sciences and new frontiers in mathematics », Max Planck Institute for Mathematics in the Sciences, Leipzig, May 14.
  - « Approaches to modeling phase transitions in socio-natural systems », FORNAS-SMC workshop on “Emergence, Transformation and Decay in Socio-natural Systems”, Abisko, Sweden, May 19-26.
  - « The Application of Complex Systems Theory to Planning », Western Regional Planning Conference, Santa Fe, NM, USA, August 8.
  - « Introduction : historique et rôle de la géomatique ». Ecole thématique « *Géomatique et Archéologie* » CEPAM-CNRS, Valbonne, October 17.
  - « Modélisation multi-agents de la prise de décisions en matière d’organisation spatiale régionale ». Ecole thématique « *Géomatique et Archéologie* » (CEPAM-CNRS), Valbonne, October 25.
  - « Vulnerability, resilience, innovation: looking at socio-natural systems ». Invited lecture, IULM, Milan, Italy, December 13.
  - « A social science contribution to effective soil erosion control ». First MEDRAP Workshop, Athens, Greece, December 15.
  - « *Crises vécues, crises perçues* ». Interdisciplinary seminar « *Sociétés et ressources renouvelables* », PEVS-CNRS, Paris, December 19.
- 2003
- “Climate, hydrology, land use, and environmental degradation in the lower Rhone Valley during the Roman Period”, Paper presented in the session on “Human-Induced Perturbations of the Water Cycle” at the “Water Symposium” of the Académie des Sciences, Paris, September 16
- 2004
- “Resilience of Socio-Ecological Landscapes”, 2004 William G. Armour III Symposium (G. Feinman and C. Fischer, organizers), Field Museum, Chicago, March 5
  - Discussion of symposium: “The Socio-Natural Connection: Integrating Archaeology And Environmental Studies For 21st Century Conservation”, Annual Meeting of the Society for

American Archaeology, March 29

- “The emergence of social institutions”, Santa Fe Institute/ Slovenian Academy of Sciences joint Workshop and Symposium on “The Dynamics of Groups and Institutions. their emergence, co-evolution, and environment”, Ljubljana, Slovenia, June 9
- “Modeling social dynamics in terms of information flows: an archaeologist’s perspective”, Santa Fe Institute/ Slovenian Academy of Sciences joint Workshop and Symposium on “The Dynamics of Groups and Institutions. their emergence, co-evolution, and environment”, Ljubljana, Slovenia, June 11
- “The Role of the very long term in understanding socio-environmental systems”, symposium on “Historical Knowledge and Environmental Management” (J. Tainter, convener), International Monitoring Science and Technology Symposium, Denver CO, September 22
- “Understanding Land Degradation: the Role of the Very Long Term”, Symposium on Effects of Land Abandonment and Global Change on Plant and Animal Communities (W. Cramer, convener), Capri, Italy, November, 12
- (with J.-F. Berger) “Modeling the role of resilience in socio-environmental co-evolution: the middle Rhone valley between 1000 BC and AD 1000”, Santa Fe Institute Workshop on “Modeling Long-Term Culture Change”, Santa Fe, NM, November 27
- “Integrated Assessment: an example from Southern Greece”, EU-FET Workshop on “Integrated assessment using complex systems”, Torino, Italy, December 8

2005

- (with D. Ferrari) “Modeling Information Flows and Social Dynamics”, Paper presented at the ISCOM Workshop, Venice, April 3
- “Invention and Innovation in Complex Human Social Systems”, Presentation to the Science Board of the Santa Fe Institute, Santa Fe, May 14
- “Information Processing and Its Role in the Rise of the European World System”. Paper presented at the 97<sup>th</sup> Dahlem Workshop on “Integrated History and future Of People on Earth (IHOPE)” (Robert Costanza, Lisa Graumlich, and Will Steffen, Conveners), Dahlem, June 12–17
- “Why Dutch archaeology isn’t what it was forty years ago”, Paper presented at the symposium in honor of Roelof W. Brandt, Royal Netherlands Academy of Sciences, Amsterdam, September 30
- (with Oran R. Young, Frans Berkhout, Gilberto Gallopin, Marco A. Janssen, Elinor Ostrom) “How Will Globalization Affect the Resilience, Vulnerability, and Adaptability of Socio-Ecological Systems at Various Scales? An Agenda for Scientific Research”, IHDP Open Science Meeting, Bonn, Germany, October 11
- (with John M. Anderies, Marina Fischer-Kowalski, Gilberto C. Gallopin, Alex Haxeltine, Gregor Laumann, Matthias Lüdeke, Antonie Veldkamp), “Modelling Global Change Dynamics”, IHDP Open Science Meeting, Bonn, Germany, October 12

2006

- “Society and Environment in Classical Antiquity: some lessons from a case study” Lecture for the Central Arizona Chapter of the Archaeological Institute of America, Tempe, February 13
- “The Role of Archaeology in Modern Environmental Research”, Invited lecture, Department of Anthropology, University of Arizona, Tucson, April 6
- “Archaeology and the changing academic landscape”, Paper presented in the Forum “Stepping Out: Contemporary Relevance of Archaeological Research,” (M. Nelson and S. Ingram, conveners) Annual Meeting of the Society for American Archaeology, San Juan, Porto Rico, April 29
- (with D.W. Read, D.A. Lane, D. Ferrari) “The long-term evolution of social organization” Paper presented at the Final ISCOM workshop, Venice, June 6
- “Information processing and the long-term evolution of social organization”, Paper presented at the 25<sup>th</sup> Anniversary Meeting of the Balaton Group, Hungary, September 19
- “Complex Systems Modeling in the Anthropocene”, Plenary paper presented at the European Conference on Complex Systems, Oxford, UK, September 27
- “The Capacity and Policy Challenges in Global Change Research”, Paper presented at the Beijing IHDP-CAS Workshop, November 6
- “Developing Cross-Cutting Themes: Vulnerability-Resilience-Adaptation”, Paper presented at the

Beijing IHDP-CAS Workshop, November 7

- “What is the future for environmental anthropology?”, Paper presented in the symposium (N. Haenn, organizer), Annual Meetings of the American Anthropological Association, San Jose, CA, November 19
- “Complex Systems Modeling in the Anthropocene”, Paper presented at the DG Research workshop on “Science of Complex Systems: Can Science Guide Policies?”, Brussels, December 20

2007

- “Could Trans-Humans Be Human After All?” Invited Paper, prepared for the Templeton Research Workshop “Facing the Challenges of Trans-humanism: Religion, Science, Technology”, Arizona State University, April 16
- “Land and Water, Land to Water, Water to Land: Resources, extreme events and institutional development in Medieval and Early Modern Rijnland”. Invited Paper, prepared for the symposium “The UNESCO Water Project: The Legacy of the Ancient Past” (V. Scarborough, convener), Annual Meetings of the Society for American Archaeology, Austin, TX, April 26
- “The School of Human Evolution and Social Change at ASU”, Invited Paper, prepared for the Workshop “The Discipline of Archaeology” (D.T. Price, Convener), Annual Meetings of the Society for American Archaeology, Austin, TX, April 28
- “The role of cognition and communication in the emergence of social organization”, Invited paper presented at the International Conference on Living Technologies, Venice, May 25-26
- “Climate and Society: Lessons from the past 10,000 years”, Invited Presentation to the Royal Colloquium “Past Climate Change: Human Survival Strategies. What can Present Civilizations Learn from the Strategies of Past Civilizations?” convened by HM King Carl XVI Gustaf of Sweden, Narsaq, Greenland, June 26
- “Biology is only part of the story ...” (with D.W. Read), Invited Paper for the Workshop “The Sapient Mind” (McDonald Institute of Archaeological Research and The Royal Society, A.C. Renfrew and L. Malafouris, conveners), Cambridge (UK), September 8
- “The long view on our ‘looming disaster’”, Invited Paper presented at the Joint Meeting of the European Complex Systems Society and the Collegium International, Paris, 28 September
- “European diversity”, Plenary address to the 4<sup>th</sup> Annual Meeting of the Rocky Mountain European Scholars Consortium, Tempe, October 19

2008

- IHOPE: Archaeology and Sustainability, Paper presented at the Annual Meeting of the Society for American Archaeology, Vancouver, BC, March 28, 2008
- Achieving sustainability: the role of archaeology, Paper presented in the Symposium “Archaeological contributions to understanding socio-ecological systems: emerging collaborations between archaeology and ecology” (K. Spielmann, convener), Annual Meeting of the Society for American Archaeology, Vancouver, March 30, 2008
- “Resilience-Vulnerability-Adaptation: The ASU workshop”. Paper presented at the Vulnerability and Resilience Workshop, Stockholm, April 10, 2008
- “Resilience and transformation in urban landscapes: What is the role of innovation?”, Remarks at the ‘Resilience in urban landscapes’ session of the Resilience 2008 Conference, Stockholm, April 14, 2008
- IHOPE: Archaeology and Sustainability, Paper presented at the IHOPE session of the Resilience 2008 Conference, Stockholm, April 15, 2008