SOMMAIRE CONTENTS

- 2 Scientific committee
- 2 Steering committee
- 3 Partners
- 6 Presentation ArchaeDyn
- 8 Archaedyn's members
- 13 Acknowledgments
- 15 Program
- 18 Presentation concert Laostic

19 Articles

21 Introduction

23 Session 1 "Methods and tools of spatial analysis" (workgroup 4)

Communications orales Oral communications

25 L. SALIGNY, L. NUNINGER, K. OSTIR, N. POIRIER, E. FOVET, C. GANDINI, E. GAUTHIER, Z. KOK ALJ, F. TOLLE with the collaboration of the ArchaeDyn team

Models and tools for territorial dynamic studies

45 DUCKE Benjamin, KROEFGES Peter C.

Managing complexity the simple way: examples from GIS modelling of human behaviour.

55 KOHLER Timothy

Agent-Based Modeling and its Application to Prehispanic Settlement Ecodynamics in the Central Mesa Verde Region: Testing Optimality in Site Location in the Archaeological Record.

63 HILPERT Johanna, ZIMMERMANN Andreas

Estimations of population densities from the Neolithic up to the 19th century: methods and results.

71 ZIMMERMANN Andreas, HILPERT Johanna Interpretive dimensions and variability of population densities

79 Session 2 "Catchment areas, terroirs and community lands" (workgroup 1)

Communications orales Oral communications

81 POIRIER Nicolas, GEORGES-LEROY Murielle, TOLLE Florian, FOVET Elise
The spatio-temporal dynamic of agricultural areas, from Antiquity to modern period
(ArchaeDyn Project)

95 BARGE Olivier, CASTEL Corinne

Subsistence, sustainability and population at Tell Al-Rawda: a 3rd Millennium BC town in the Syrian steppe/ Autosuffisance alimentaire et population à Tell Al-Rawda: une ville du troisieme millenaire dans la steppe syrienne

107 BINTLIFF John

Catchments, settlement chambers and demography: case studies and general theory in the Greek landscape from prehistory to early modern times.

Posters

119 AUSSEL Sandra, GOGUEY Dominique, PAUTRAT Yves, SALIGNY Laure, CHARMOT A., MORDANT Claude, NUNINGER Laure

Spatial analysis of archaeological sites in the Châtillonnais forests (Côte-d'Or, France).

127 FOVET Elise, POIRIER Nicolas

Characterization of Agrarian Resources for Archaeological Applications (ArchaeDyn Project).

133 LE BRAS-GOUDE Gwenaëlle

Diet of ancient and middle Neolithic populations in the northwest of Mediterranean. Anthropological and isotopic studies

139 Session 3 "Settlement patterns, networks and territories" (workgroup 2)

Communications orales Oral communications

141 Frédérique BERTONCELLO, Elise FOVET, Cristina GANDINI, Frédéric TRÉMENT, Laure NUNINGER with the collaboration of the members of Workgroup 2

The spatio-temporal dynamics of settlement patterns from 800 BC to 800 AD in Central and Southern Gaul: models for an interregional comparison over the long term

BURILLO Francisco, ARENAS Jesús, PICAZO Jesús, ORTEGA Julián, POLO Clemente, VILLAGORDO Carolina, LÓPEZ Raul, SAIZ Esperanza

The uncorrupting mountain. Historical dynamics in the Iberian Mountain Range from 5.500 B.C. to 1.800 A.D.

167 POSLUSCHNY Axel

GIS as a means to investigate «Princely Sites», Space and Environs. New ways to answer old questions.

175 VAN DEN BOSSCHE Benjamin, MARCIGNY Cyril
Changing settlement patterns in the Normandy countryside.

Posters

187 KOROBOV Dmitry

Using ArcGIS Spatial Analyst for the investigation of the system of habitation in the Kislovodsk basin (South of Russia).

193 NOUVEL Pierre, BARRAL Philippe

Rural settlement dynamic during Iron Age in Central Gaul: the excavation and fieldwalking data head to head

195 Session 4. "Diffusion of raw materials and manufactured objects" (workgroup 3)

Communications orales Oral communications

197 GAUTHIER Estelle, WELLER Olivier, NUNINGER Laure
et avec la collaboration de : GABILLOT Maréva, QUILLIEC Bénédicte, PETREQUIN Pierre
Models for the study of the consumption and the circulation of resources and products
in France and Western Europe during the Neolithic and the Bronze Age (ArchaeDyn
project)

211 CORNIQUET Claire

Mobility and circulation of knowledge among potters of the Arewa (South-Western Niger): impact of the frameworks of practice on the spatial distribution of ceramics' techniques.

Posters

221 FISCHER Viktoria

Pin consumption on the shores of lake Neuchâtel (Switzerland) during the palafittic Late Bronze Age.

225 WELLER Olivier, BRIGAND Robin, NUNINGER Laure

Spatial analysis of the Salt Spring exploitation in Moldavian Pre-Carpatic Prehistory (Romania).

233 Session 5 . Synthèse/Open synthetic session

Communication orale Oral communication

235 FAVORY François, NUNINGER Laure

Bilan général du programme triennal ArchaeDyn/synthesis of ArchaeDyn project *ArchaeDyn* 2005-2007 : ambitions, achievements and accomplishments