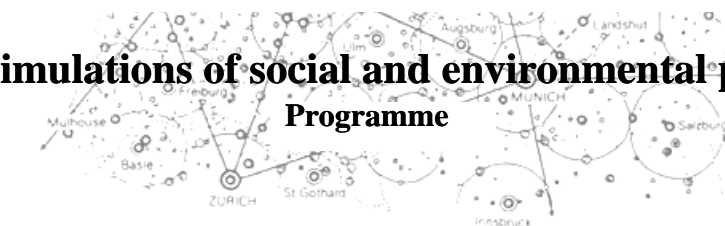




European Modeling Tour – 4th Session – Aix-en-Provence
Spatial Simulation for Social Sciences (S4)

Spatial simulations of social and environmental processes
Programme



Université de Provence / Centre Schuman
UFR des Sciences géographiques et de l'Aménagement
29 Avenue Robert Schuman
13621 Aix-en-Provence Cedex 1

*Please register for the European Modeling Tour by sending an email to Jean-Luc Bonnefoy: jean-luc.bonnefoy@univ-provence.fr.
The deadline for application is 3rd décembre 2007. Please note that there is a limit on the number of participants (30).*

Thursday, January 24, 2008

9h30-10h15 **Welcome reception**

10h15 GENERAL INTRODUCTION TO THE 4TH SESSION OF THE “EUROPEAN MODELING TOUR”

Denise Pumain, Arnaud Banos, Jean-Luc Bonnefoy

RESEARCH TOPIC: SETTLEMENT SYSTEMS and TRANSPORT

10h30 GENETIC ALGORITHMS APPLIED ZONING SYSTEM
Frédéric Audard (UMR 6012 ESPACE, Aix-en-Provence, France)

11h15 SIMULATING MULTI-SCALE URBAN DYNAMICS WITH MULTI-SCALE MULTI-AGENTS MODEL
Thomas Louail (UMR 8504 GEOGRAPHIE-CITES, Paris, France)

12h00 **Lunch**

14h00 MODELLING INTRA-REGIONAL DYNAMICS THROUGH BAYESIAN NETWORKS
Giovanni Fusco (UMR 6012 ESPACE, Nice, France)

14h45 A GEOCOMPUTED METHOD TO FIND THE MOST ROBUST CENTRAL LOCATION FOR A SET OF POINTS. Toward the concept of 'spatial robustness'
Didier Josselin (UMR 6012 ESPACE, Avignon, France)

15h30 **break**

16h00 TRAINING SESSION

20h00 **Dinner**

Friday, January 25, 2008

RESEARCH TOPIC: ENVIRONMENT

08h30 **Coffee**

09h00 DOWNSCALING AND EXTREME SEA LEVEL SIMULATION IN THE GULF OF LIONS

Albin Ullmann, Vincent Moron (UMR 6635 CEREGE Aix-en-Provence, France)

09h45 USING MULTI-AGENT PROGRAMMABLE ENVIRONMENT FOR MODELING BEACH BEHAVIOUR

Cédric Brunel, Jean-Luc Bonnefoy**, Samuel Meulé*** (* UMR 6635 CEREGE and **UMR 6012 ESPACE, Aix-en-Provence, France)

10h30 SPATIAL SIMULATION AND SATELLITE MONITORING IN RELATION WITH PUBLIC HEALTH (WEST NILE VIRUS, SOUTH OF FRANCE)

Alain Sandoz*, Alain Leblond** (*Research centre for the conservation of Mediterranean wetlands, Tour du Valat, Arles, France, ** Veterinary School of Lyon, France).

11h15 TRAINING SESSION

12h30 **Lunch**

RESEARCH TOPIC: MICRO AND MACRO INTERACTIONS THROUGH ACTION

14h00 LEARNING AND BELIEF DISSEMINATION FOR AGENTS ACTING TOGETHER ON A COMMON RESOURCE

Juliette Rouchier (UMR 6579 GREQAM, Marseille, France)

14h45 MODELING PANIC'S DYNAMIC: EXPLORING THE RELATIONSHIP BETWEEN AN AGENT-BASED MODEL AND A SYSTEM DYNAMICS MODEL

Eric Daudé (UMR 6228 IDEES, Rouen, France)

15h30 **CRASSOU: AN EDUCATIONAL MULTI-AGENT MODEL TO SIMULATE
CLEANLINESS DYNAMICS IN A STREET OF MARSEILLE (FRANCE)**
Jean-Luc Bonnefoy (UMR 6012 ESPACE, Aix-en-Provence, France)

16h15 **TRAINING SESSION**