



Spatial  
Simulation  
for the  
Social  
Sciences



## MAPS2 Conference

# Teaching of/with Agent-Based Models in the Social Sciences

April 8<sup>th</sup> - 9<sup>th</sup>, 2010

Ecole Normale Supérieure ULM , Paris, France

### ***Aims and topics of the Conference***

A two-day conference dedicated to communication and pedagogy of or with agent-based models in the Social Sciences.

- Methods concerning the teaching of agent-based modelling and simulation.
- Methods concerning the use of modelling and or models in a more general teaching purpose (e.g. modelling resource-users interactions to teach renewable resource management,...).
- Methods for the communication of agent-based models (e.g. methods to describe and communicate around models towards the scientific community, media or the society).
- The use of agent-based models in a communication purpose (e.g. serious games to sensitize a population to environmental issues).

### ***Organization***

The MAPS group (Multi-Agent modelling applied to Spatial Phenomena) is concerned by the teaching of ABM in social sciences to junior scientists and PhD students. Since 2008 an [innovative training format](#) is tested which alternates between intensive collective workshops (conferences on theory and practice of ABM and teamwork) and long period of distance teamwork (using various web technologies). Each trainees group develops its own project model. MAPS2 conference aims at sharing this pedagogic experience and confronts it to other teaching practices as well as to applications of ABM for communication purpose.

### ***Partners***

RNSC (Complex System French National Network), S4 (Spatial simulation for the Social Sciences) / European Modelling Tour, SIMBAAD, CNRS (French National Center for Scientific Research), Paris 1 Panthéon-Sorbonne University, PRODIG research unit (UMR 8586), ESSA (European Social Simulation Association), CITERES research unit (UMR 6173), DYNAFOR research unit (UMR 1201), IDEES research unit (UMR 6266), LETG research unit (UMR 6554), PACTE research unit (UMR 5194).



*Spatial  
Simulation  
for the  
Social  
Sciences*



**Conference location:** The conference will take place at Ecole Normale Supérieure (Salle Dussane), 45 rue d'Ulm, 75005 – Paris

## Agenda

### 8<sup>st</sup> April

10:00-12:00	The MAPS experience - Trainees' groups present their project model – 3 presentations - Trainers present the pedagogic format used and its outputs
12:00-14:00	Lunch break
14:00-15:00	Keynote speaker : <b>Uri Wilensky</b> (Centre for Connected Learning, USA) "NetLogo: a Multi-Agent platform for education and research"
15:00-17:00	Conference speakers – Part 1 4 presentations with questions

### 9<sup>nd</sup> April

9:00-10:00	Keynote speaker : <b>Volker Grimm</b> (Centre for Environmental Research, Germany) "Protocols and methods to communicate with and about models"
10:00-12:00	Conference speakers – Part 2 4 presentations with questions
12:00-14:00	Lunch break
14:00-15:00	Keynote speaker : <b>ComMod group</b> "Co-learning and mediation through models: a companion modelling approach"
15:00-17:00	Round table : "Modelling and pedagogy in social sciences" Animated by Dawn Parker (University of Waterloo, Canada)

### Keynote speakers

Volker Grimm, UFZ Centre for Environmental Research Leipzig-Halle (Germany)

Uri Wilensky, Centre for Connected Learning, Northwestern University (USA)

ComMod group member

### Round table participants

Chairman: Dawn Parker, School of Planning, University of Waterloo, Canada

Michel Etienne, Ecodevelopment Unit, INRA (France)

Volker Grimm, UFZ Centre for Environmental Research Leipzig-Halle (Germany)

Lena Sanders, Géographie-Cités, CNRS (France)

Uri Wilensky, Centre for Connected Learning, Northwestern University (USA)



Spatial  
Simulation  
for the  
Social  
Sciences



### **Submitting a conference proposal**

Please send before 15<sup>th</sup> February 2010 (extended from 31<sup>st</sup> January) a short paper (4 to 5 pages, times 12) in English to [arnaud.banos@parisgeo.cnrs.fr](mailto:arnaud.banos@parisgeo.cnrs.fr).

Final papers will be evaluated by the scientific committee for a collective publication in Journal of Artificial Society and Social Simulation (<http://jasss.soc.surrey.ac.uk/JASSS.html>)

### **Scientific Committee (to be confirmed)**

Luis Antunes, Department of Informatics, University of Lisbon (Portugal)

Olivier Barreteau, UMR G-EAU, Cemagref (France)

Edmund Chattoe, Department of Sociology, University of Leicester (UK)

Eric Daudé, UMR IDEES, CNRS (France)

Nigel Gilbert, Department of Sociology, University of Surrey (UK)

Tim Kohler, Department of Anthropology, Washington State University (USA)

Matthias Meyer, Whu – Otto Beisheim School of Management (Germany)

Gary Polhill, Macaulay Land Use Research Institute (UK)

Alex Smajgl, CSIRO (Australia)

Flaminio Squazzoni, University of Brescia (Italy)

### **Important dates**

Short paper submission: 15<sup>th</sup> February (extended from 31<sup>st</sup> January)

Acceptance notification: 31<sup>st</sup> February (initially 15<sup>th</sup> February)

Final paper due: 31<sup>th</sup> March

Conference: 8<sup>th</sup>-9<sup>th</sup> April 2010

### **Contacts**

<p><b>Event organization</b>  <a href="mailto:pierre.gautreau@univ-paris1.fr">pierre.gautreau@univ-paris1.fr</a>  <a href="mailto:nicolas.becu@univ-paris1.fr">nicolas.becu@univ-paris1.fr</a></p> <p><b>Conference submission</b>  <a href="mailto:arnaud.banos@parisgeo.cnrs.fr">arnaud.banos@parisgeo.cnrs.fr</a></p> <p><b>MAPS 1 &amp; 2 site</b>  <a href="http://maps.csregistry.org/home">http://maps.csregistry.org/home</a></p>	<p><b>Organizers</b></p> <ul style="list-style-type: none"> <li>- Marion Amalric, UMR CITERES, Tours.</li> <li>- Frédéric Amblard, UMR IRIT, Toulouse.</li> <li>- Arnaud Banos, UMR Géographie-Cités, Paris.</li> <li>- Elise Beck, UMR PACTE, Grenoble.</li> <li>- Nicolas Becu, UMR PRODIG, Paris.</li> <li>- Sébastien Caillaud, UMR LETG, Caen.</li> <li>- Eric Daudé, UMR IDEES, Rouen.</li> <li>- Pierre Gautreau, PRODIG, Paris.</li> <li>- Nicolas Marilleau, IRD, Paris.</li> <li>- Olivier Ninot, UMR PRODIG, Paris.</li> <li>- David Sheeren, UMR DYNAFOR, Toulouse.</li> <li>- Ion Tillier, UMR LETG, Nantes.</li> </ul>
---	--