

MISS-ABMS

Multi-platform **I**nternational **S**ummer **S**chool
on **A**gent-**B**ased **M**odelling & **S**imulation
for Renewable Resources Management

Géraldine Abrami, INRAE, France

Nicolas Becu, CNRS, France

Pierre Bommel, CIRAD, France

Bruno Bonté, INRAE, France

François Bousquet, CIRAD, France

Kevin Chapuis, IRD, France

Etienne Delay, CIRAD, Senegal

Benoît Gaudou, Toulouse University, France

Christophe Le Page, CIRAD, France

Jean-Pierre Müller, CIRAD, France

Patrick Taillandier, INRAE, Vietnam

MISS-ABMS

Multi-platform International Summer School on Agent-Based Modelling & Simulation for Renewable Resources Management

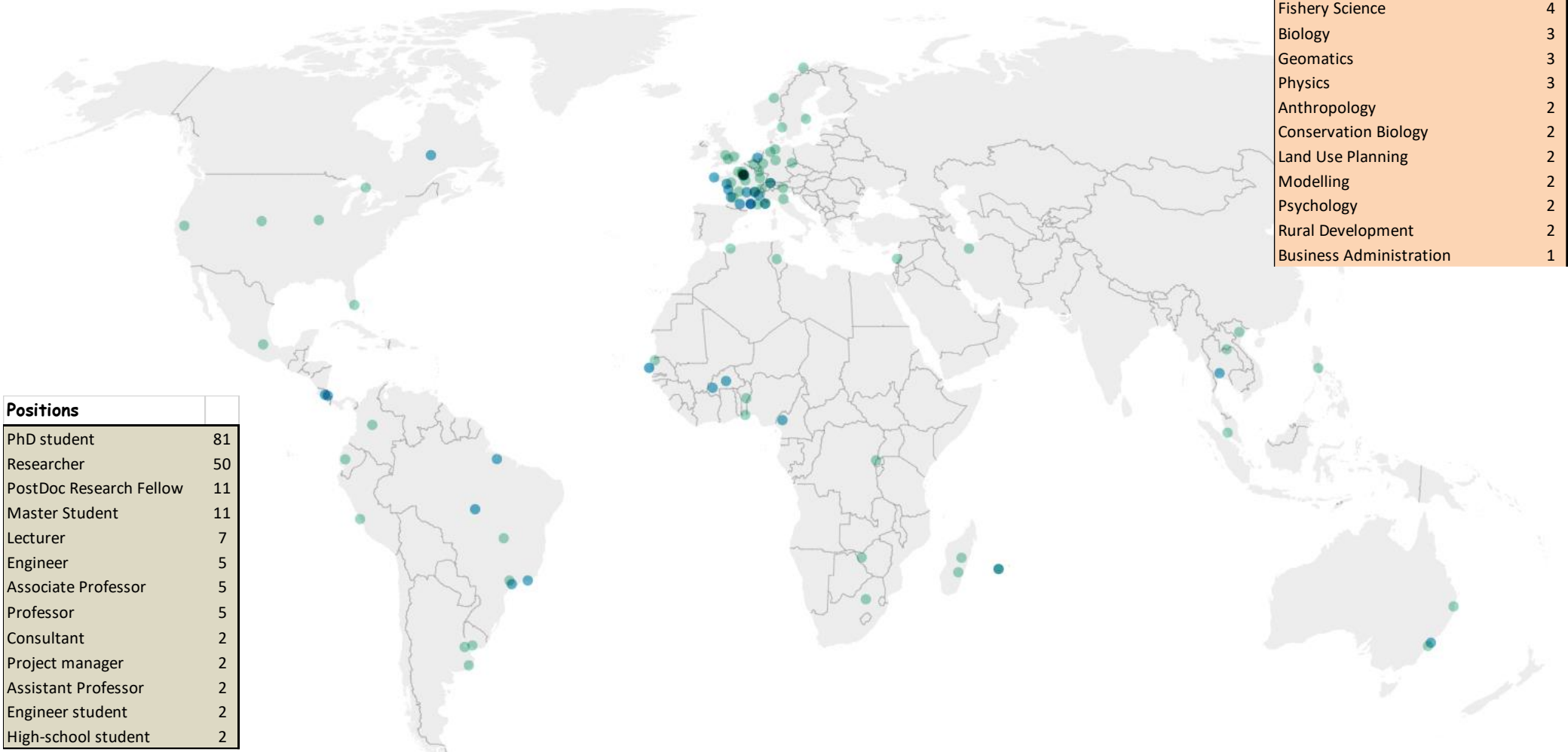
- ❑ 2-week training course proposed by end of summer since 2011 in Montpellier (France)
- ❑ Principles, methods and tools to design, implement and explore simulation outputs of Agent-Based Models
- ❑ Focus on a participatory use of ABMS (in relation to the **Companion Modelling** approach)
- ❑ Participants are requested to organize themselves into small groups of 2-4 to develop prototypes: the design stage has to be collaborative

MISS-ABMS

Multi-platform International Summer School on Agent-Based Modelling & Simulation for Renewable Resources Management

Disciplines	
Agronomy	37
Ecology	32
Geography	25
Economy	23
Water Sciences	20
Computer Science	13
Environmental Science	13
Sociology	8
Forestry	6
Livestock Science	6
Natural Resources Management	6
Entomology	5
Fishery Science	4
Biology	3
Geomatics	3
Physics	3
Anthropology	2
Conservation Biology	2
Land Use Planning	2
Modelling	2
Psychology	2
Rural Development	2
Business Administration	1

Positions	
PhD student	81
Researcher	50
PostDoc Research Fellow	11
Master Student	11
Lecturer	7
Engineer	5
Associate Professor	5
Professor	5
Consultant	2
Project manager	2
Assistant Professor	2
Engineer student	2
High-school student	2



MISS-ABMS

Three agent-based platforms



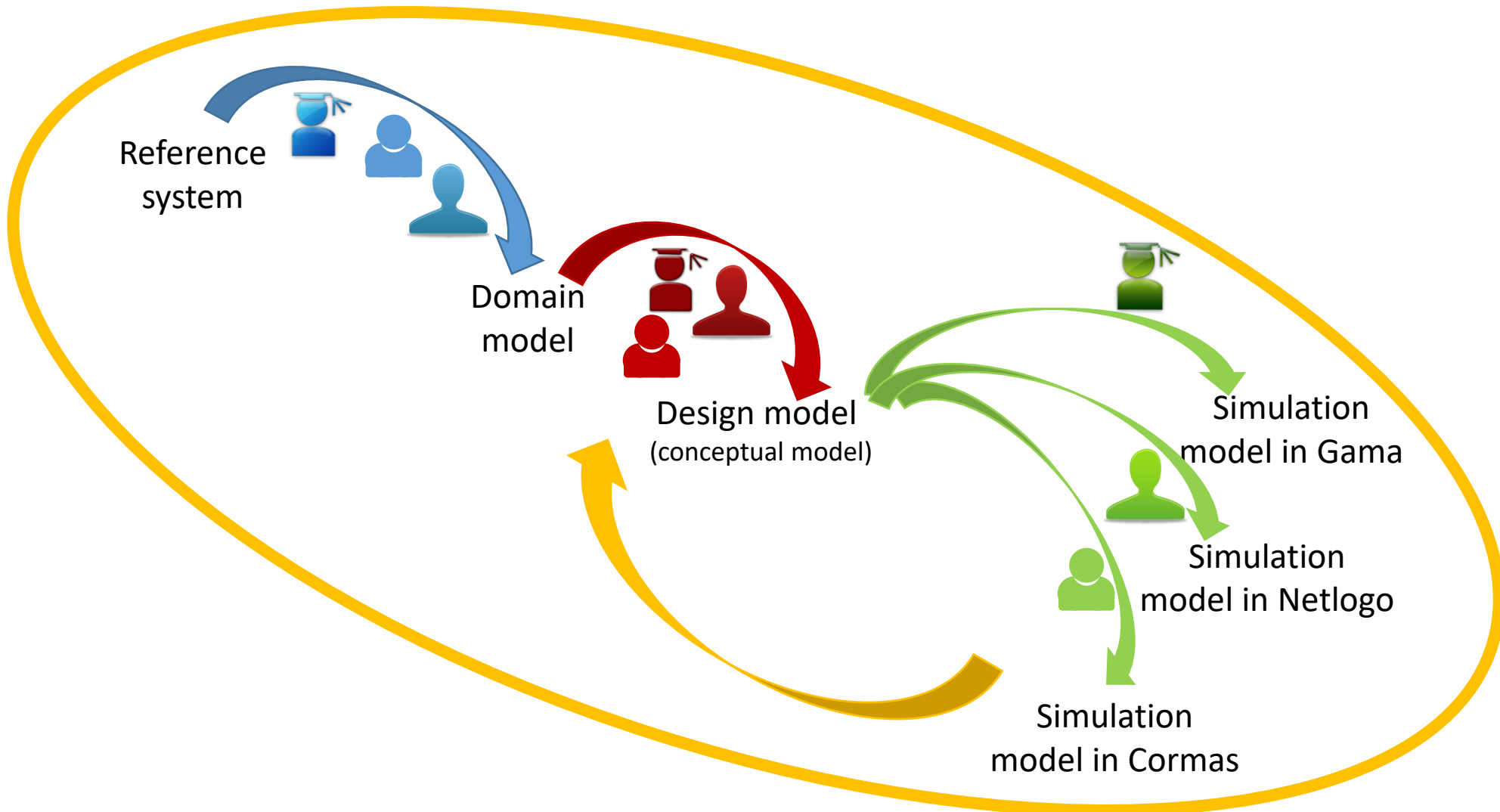
<https://ccl.northwestern.edu/netlogo/>

NetLogo



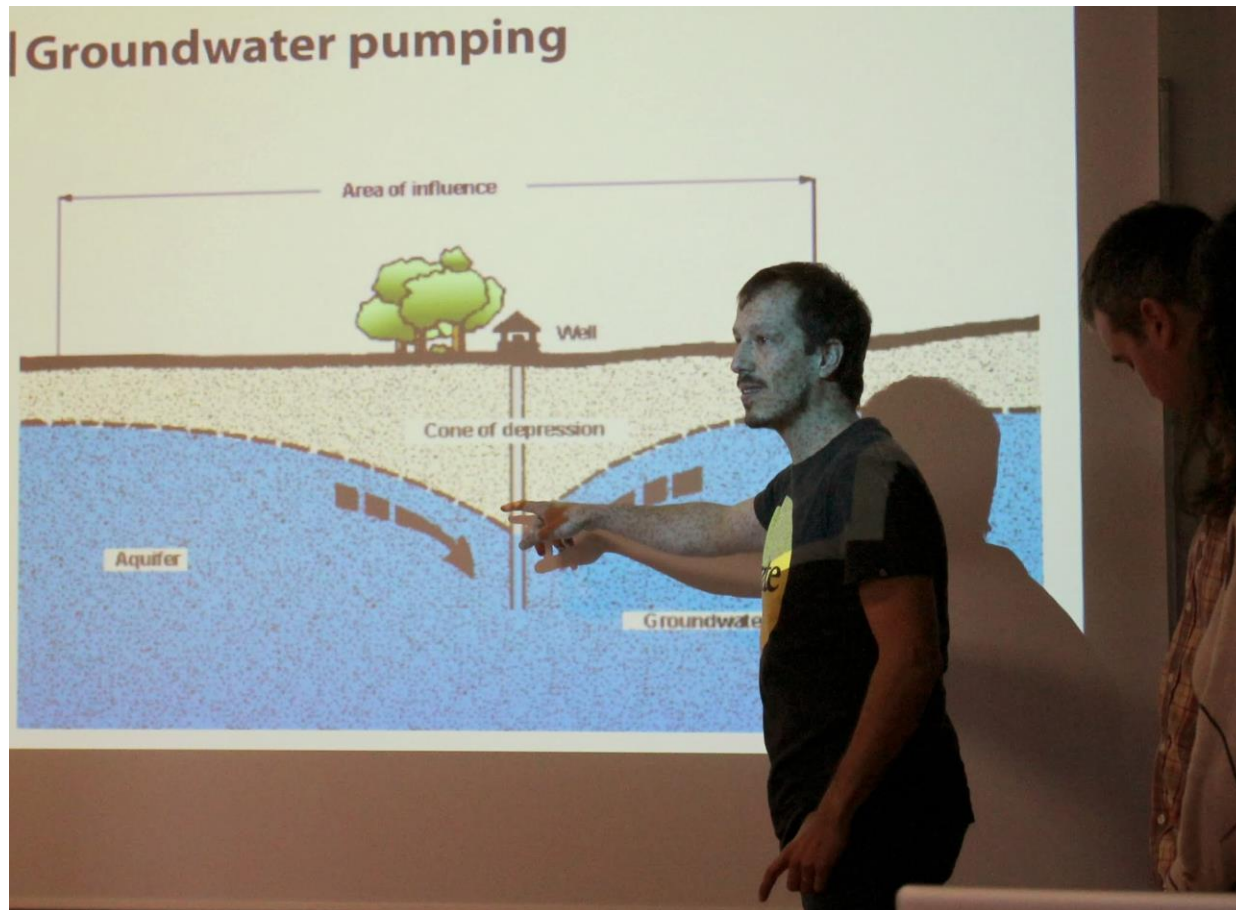
MISS-ABMS

A process combining co-design and parallel implementations



MISS-ABMS

Multi-platform **I**nternational **S**ummer **S**chool
on **A**gent-**B**ased **M**odelling & **S**imulation
for Renewable Resources Management



MISS-ABMS

Multi-platform **I**nternational **S**ummer **S**chool
on **A**gent-**B**ased **M**odelling & **S**imulation
for Renewable Resources Management



MISS-ABMS

Multi-platform **I**nternational **S**ummer **S**chool
on **A**gent-**B**ased **M**odelling & **S**imulation
for Renewable Resources Management



MISS-ABMS

Multi-platform **I**nternational **S**ummer **S**chool
on **A**gent-**B**ased **M**odelling & **S**imulation
for Renewable Resources Management



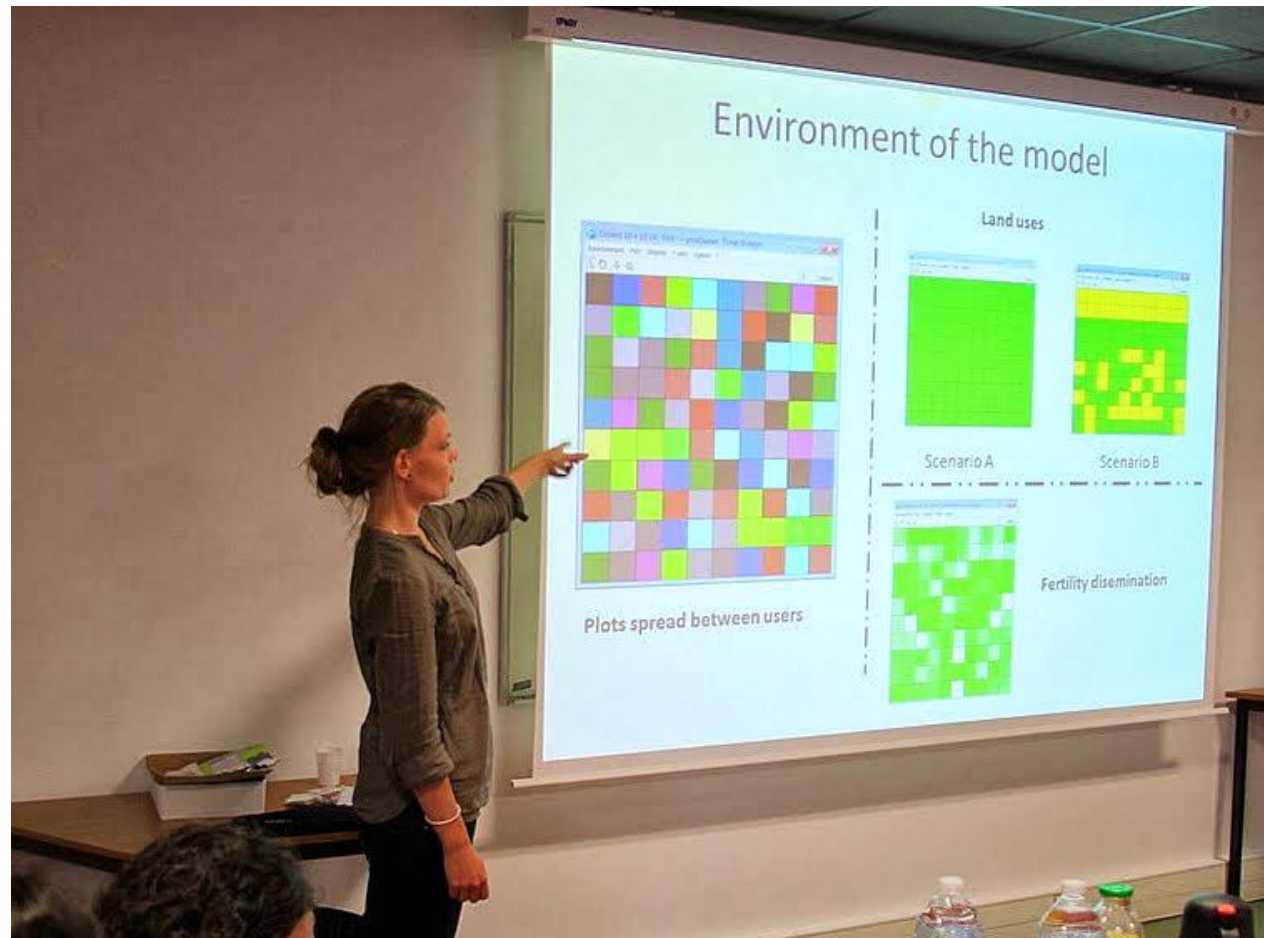
MISS-ABMS

Multi-platform **I**nternational **S**ummer **S**chool
on **A**gent-**B**ased **M**odelling & **S**imulation
for Renewable Resources Management



MISS-ABMS

Multi-platform **I**nternational **S**ummer **S**chool
on **A**gent-**B**ased **M**odelling & **S**imulation
for Renewable Resources Management



MISS-ABMS

Multi-platform **I**nternational **S**ummer **S**chool
on **A**gent-**B**ased **M**odelling & **S**imulation
for Renewable Resources Management

