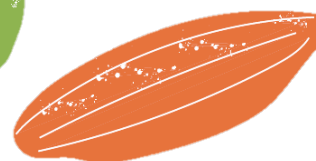


Wednesday 4, October, 8:30 - 17:30 – *Amphi Louis Malassis (Agropolis International)*

Part 1 - The rise of integrated approaches

- 08:30 *Accueil des participants*
- 08:45 **Opening**
Carine Karailiev, Director of Agropolis Fondation, Daniel Barthélemy, Labex Agro Scientific Coordinator
- 09:00 **Session 1: The plant at the heart of integrated approaches**
Keynote speaker: Laurence Drouard, IBMP, CNRS Strasbourg France
- 09:45 **ROUND TABLE DISCUSSION**
Review of 15 years of research in Agrobiodiversity: Montpellier as a world reference in the field
- 10:25 **FLASH SCIENCE**
Combining abiotic stress analysis
Presentation of progress on the CALCLIM and CHEW projects
- 10:50 *Break*
- 11:00 **FLASH SCIENCE**
Climate change in the Mediterranean area, examples of olive tree and vine
Presentation of progress on CLIMOLIVEMED and MOMAC projects
- 11:30 **Session 2: Agroecology, a lever to transform systems?**
Keynote speaker: Fergus Sinclair ICRAF, Kenya
- 12:15 **FLASH SCIENCE**
Agroecology and agroforestry and perennial plants for Mediterranean and tropical agriculture
Presentation of progress on TAE Niger/Equitae and STRADIV and Refloramaz projects
- 12:45 *Lunch*
- 14:15 **ROUND TABLE DISCUSSION**
Training in Agroecology - Crossed views on 3 summer schools:
Projects in question: Afrissas, Divercrop, Strengthening Agroecology Regional Networks
- 14:45 **ROUND TABLE DISCUSSION**
From plant and soil health to agro-ecosystem health
Projects in question: E-Space, SECURE, PlantHealth
- 15:30 **FLASH SCIENCE**
Reducing pesticides through agroecology: why, how, who?
Presentation of progress on PRETAG project and cross view on REACS and Echlore thesis
- 16:00 **Session 3: From food security to food system**
Keynote: Karl Zimmerer, Pennsylvania State University, USA
- 16:45 **ROUND TABLE**
Feed: from cereals to the rise of legumes
Projects in question: Fabatropimed, ProPulse, Generice, SAADA

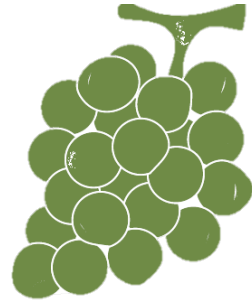
End of Day 1



Agriculture, Sustainable Food Systems and Biodiversity: overview of 15 years of research funded by Agropolis Fondation

Thursday 5, October, 8:50 - 16:15 – *Amphi Louis Malassis (Agropolis International)*

- 08:50 **Introduction**
- 09:00 **FLASH SCIENCE**
From agricultural production to human consumption: food processing
Projects in question: Interface, Pulses
- 09:30 **ROUND TABLE DISCUSSION**
A multi-scale approach to regional food autonomy
Projects in question: Urbal, Foodscapes, Calalou, Indiamilk
- 10:10 *Break*



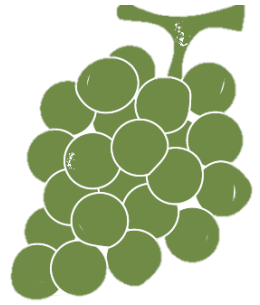
Part 2 – What data, tools and methods are needed to meet tomorrow's challenges?

- 10:30 **Session 4: New tools for the Agro sciences community?**
Keynote: David Makowski , INRAE Paris, France
- 11:15 **ROUND TABLE**
The emergence of large data sets
Projects in question: GenomeHarvest, Agri-TE, Genome-wide association
- 11:45 **FLASH SCIENCE**
Advances in imaging
Presentation of progress on APLIM and Scanorhize projects with the participation of the start-up MYCEA
- 12:15 **FLASH SCIENCE**
Use, role, coupling and future of models?
Projects in question: DM-Trop AFS, DSCATT, E-SPACE
- 12:45 *Lunch*
- 14:15 **Session 5: From citizen data collection to participatory research - diversity of
commitment to strengthen science-society links**
Keynote speaker: Jacques Chevalier, University of Carleton, Canada
- 15:00 **PI@ntNet: history of a citizen science platform**
Presentation of the project and examples of application in research
- 15:30 **ROUND TABLE DISCUSSION**
Co-constructing knowledge with local actors?
Projects in question: Arbopolis, Levains, Boutique des sciences, Wasaca, Icowpea
- 16:15 **Closing**

End of Day 2



Keynote speakers



Keynote Session 1: The plant at the heart of integrated approaches

Laurence Drouad, IBMP CNRS, Strasbourg, France

Laurence Drouad is a research director at the CNRS and currently heads the Institut de Biologie Moléculaire des Plantes (IBMP), which tackles fundamental issues linked to topical themes such as the regulation of gene expression, RNA biology, and the understanding of defense phenomena in response to biotic and abiotic stresses. Laurence's fundamental research is also in line with major societal challenges such as climate change, health and food,



Keynote Session 2 : Agroecology: a lever to transform systems?

Fergus Sinclair, ICRAF Kenya

Fergus Sinclair leads research at the International Center for Research in Agroforestry (ICRAF) on the contribution of forest systems to the productivity of agricultural systems and the lives of rural communities. He also coordinates the "Smallholder Production Systems and Markets" component of the CGIAR research program on forests, trees and agroforestry, in which CIFOR, Bioversity and CIAT participate. Fergus Sinclair is recognized for his pioneering research into the systematic acquisition and use of local knowledge, and into the development and application of systemic methods to agricultural development, including the measurement and modeling of complex systems at field, farm, livelihood and landscape scales, encompassing both ecological and human dimensions.



Keynote Session 3: From food security to food systems

Karl Zimmerer, Pennsylvania State University, USA

Karl Zimmerer is Professor of Environment and Society Geography and is involved in Ecology and Rural Sociology programmes. He is head of the GeoSyntheSES lab. His research, teaching, and broader activities center on global food geographies. Karl combines social and political ecology approaches to focus on the human-environment geography of food biodiversity in land use and food systems amid dynamic, multi-scale change and transformation. His work advances theoretical and analytical models to strengthen sustainability strategies and social justice .



Keynote Session 4: What new tools can the Agro community use for research?

David Makowsky, Inrae, Paris, France

David Makowsky is a director of research at Inrae. His research works are in statistical modelling applied to agroecology, environmental sciences, climate change, and food safety. David manages scientific projects and support research groups and public organizations in analyzing complex datasets using statistical and machine learning methods.



Keynote Session 4: From civil society data collection to participatory research: a diversity of commitments to strengthen links between science and society

Jacques Chevalier, University of Carleton, Canada

Jacques Chevalier is a Professor Emeritus in the Department of Sociology and Anthropology at Carleton University in Ottawa, Canada, and co-founder of SAS2 Dialogue. He is the author of numerous scientific works in fields ranging from the theory and methods of participatory action research to studies on Latin American anthropology, sustainable development, peasant economics, ethnomedicine, biblical studies, gender relations, symbolic anthropology and neurophilosophy.

