

# Social Metabolism of Agricultural Systems

Second Workshop | 27<sup>th</sup>-29<sup>th</sup> May 2010

Faculty of Economics and Business  
(Universitat de Barcelona)

 Centre d'Estudis  
**Antoni de Capmany**  
d'Economia i Història Econòmica

 UNIVERSITAT DE BARCELONA  
**B**



Environmental History of Mediterranean Agrarian Landscapes  
(Research project HAR2009-13748)

Second Workshop on

# Social Metabolism of Agricultural Systems:

*A socio-metabolic perspective on past organic agrarian systems, the socio-ecological transition to the green revolution, and implications for sustainable development*

27<sup>th</sup>-29<sup>th</sup> May 2010  
Sala de Recepçons / Reception Room  
Faculty of Economics and Business

## Programme

**Thursday 27<sup>th</sup>** 14:00-16:00

- **Geoff Cunfer** (University of Saskatchewan): Agricultural Land Use and Environmental Change in the American Great Plains, 1860-2010 (Session of the Economic History Seminar, Department of Economic History and Institutions, Universitat de Barcelona)

**Thursday 27<sup>th</sup>** 17:30-20:00

**First session** (chair Enric Tello)

1. 17:30-18:00

**Welcome on behalf of the Faculty by Jesús Marín, Vice-dean of Research, and short introductions of each research group** (five minutes each):

- **Fridolin Krausmann**, Institute of Social Ecology at Klagenfurt University in Vienna (IFF)
- **Geoff Cunfer**, Population and Environment in the Great Plains & Historical GIS Laboratory at the University of Saskatchewan.
- **Manuel González de Molina**, research group on Environmental History and Agroecology at the Universidad Pablo de Olavide in Seville (UPO), Universidad de Jaén, and Research and Training Centre of Organic Agriculture and Rural Development in Santa Fe (Granada)
- **Gilles Billen**, History of Urban Ecological Imprint by the Fédération Ile de France de Recherche sur l'Environnement at the Université Pierre et Marie Curie (UPMC), Paris.
- **Enric Tello**, research group on Environmental History of Mediterranean Agrarian Landscapes at the Universitat de Barcelona (UB), Universitat Autònoma de Barcelona (UAB), Universitat de Lleida (UdL) and Universitat de Girona (UdG).

• 18:00-18:15 **Coffee break**

2. 18:15-20:00

***General aspects of Social Metabolism approach to environmental history: urban systems and landscape ecology***

- 18:15-18:45 **Gilles Billen** (UPMC), "The history of Paris Urban Imprint: biophysical constraints and political drivers of its feeding hinterland"
- 18:45-19:15. **Joan Marull** (Institut d'Estudis Metropolitans, UAB): "Using landscape indices to assess the ecological functioning of past, present and future land-use systems: the Barcelona Metropolitan Region"
- 19:15-19:45 **General discussion**

Friday 28<sup>th</sup> 9:15-13:00

***Second session: Explaining the end of past organic agricultures, the socio-ecological transition to the green-revolution, and implications for sustainable development*** (chair José Ramón Olarieta)

- 9:15-9:45 **Enric Tello**, "The First Globalization and the aftermath of the WWII: Two socio-ecological turning points in European and North American Agricultural Systems".
- 9:45-10:15 **Manuel González de Molina**, "A Guide to Study the Socio-Ecological Transition in European Agriculture"
- 10:15-10:30 Comments by **Fridolin Krausmann**
- 10:30-10:45 Comments by **Geoff Cunfer**
- 10:45-11:00 Comments by **Gilles Billen**
- 11:00-11:15 **coffee break**
- 11:15-12:15 **General discussion**
- 12:15-13:00 **Outline of common ideas and proposals**

Friday 28<sup>th</sup> 15:30-18:30

***Third session: Methodological tools and future prospects of our Research Network of Historical Social Metabolism*** (chair Enric Tello)

1. 15:30-16:45 **Methodological approaches and tools:**

- 15:30-16:00 **Simone Gingrich** (IFF), "How Long-term Socio-ecological Research and Environmental History can be linked and benefit from each other in the study of past and present rural societies: the case of the Austrian Eisenwurzn region"
- 16:00-16:15 **questions and comments**
- 16:15-16:30 **Elena Galán** (Research Centre for Consumer Information-CRIC), "How to use the Manager of Energy and Nutrient Balances of Agricultural Systems (MENBAS)"
- 16:30-16:45 **questions and comments**
- 16:45-17:00 **coffee break**

2. 17:00-18:30 **Future prospects**

- **Third Social Metabolism Workshop and Ester Boserup Conference 2010**-A Centennial Tribute on "Long-term trajectories in population, gender relations, land use, and the environment" (15-17 November 2010 in Vienna): Fridolin Krausmann (deadline: 28 June, 2010)
- **6<sup>th</sup> ESEH Conference in Turku** (Finland) from 28 of June to of 2 July 2011

**Saturday 29<sup>th</sup>** 9:30-13:00

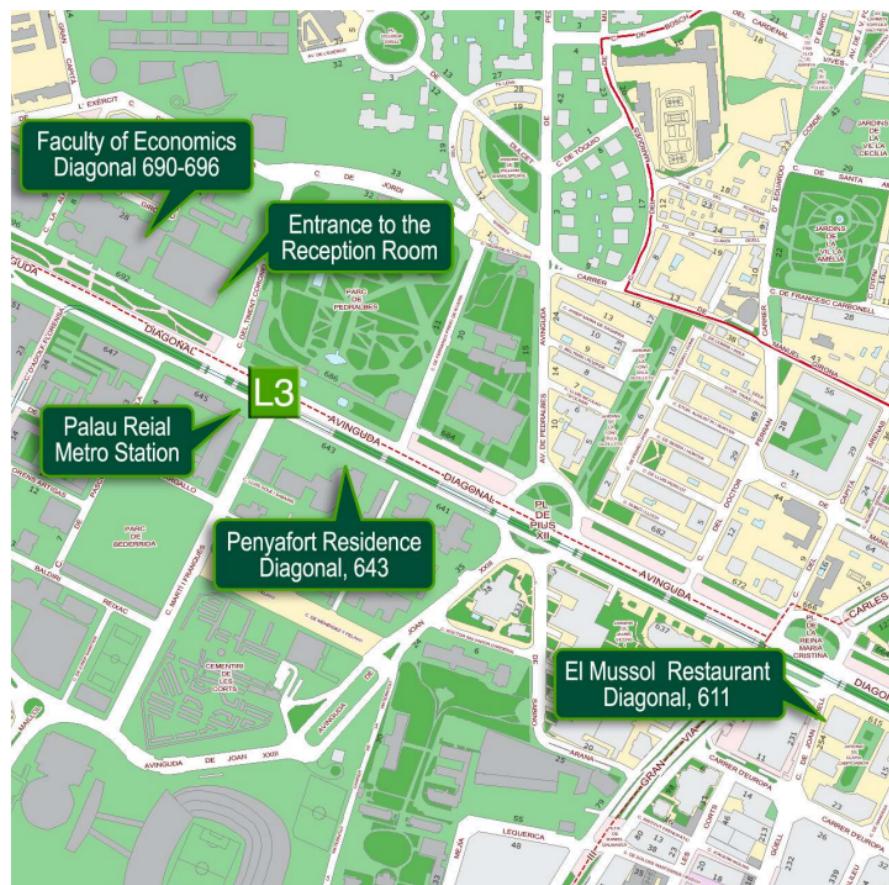
### **Fieldwork trip to the Vallès county**

- 9:30 **meeting** at the Penyafort University Residence and departure.
- 10:00-10:15 **Stop at the Collserola Natural Park**: watching the contrast between the dense city of Barcelona and the Metropolitan Region in the Vallès plain.
- 11:00-12:00 **Stop at the Sentmenat small castle and village**: on-site explanation of the main social conflicts and land-use changes experienced from the late middle ages to the present, related to the past and presents landscape ecology functioning and future prospects.
- 12:30-13:30 **Return to Barcelona**

### **Location Map**

**Workshop:** Reception Room at the Faculty of Economics and Business

**Restaurant (only for dinners):** The restaurant El Mussol is inside Pedralbes Centre (611 Diagonal Ave.). It's only 10' walk from the Penyafort University Residence



## List of participants (alphabetical order)

### a) Members of the research network:

1. Billen, Gilles (Université Pierre et Marie Curie, Paris, [gilles.billen@upmc.fr](mailto:gilles.billen@upmc.fr))
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### b) Other participants invited:

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