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### Organizing committee

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### Registration fees:

*Early registration (Before 30 June 2010)*  
Regular **450 EUR**  
Students **300 EUR**

*After 30 June 2010*  
Regular **550 EUR**  
Students **450 EUR**

### Conference Venue:

The meeting (both conference & accommodation) will be held at the Belambra village hotel on the Peninsula of Giens in the South of France. The entire meeting center is fully accessible by wheel-chair. Child-care during the conference can be arranged upon request.

Two categories of accommodation (meals included) are available:

- **single room** (for 1 person), limited number **550 EUR**
  - **double room** (for 2 persons) **450 EUR**
- 2-room apartment sharing one bathroom



### Travel information:

12 km from the Hyeres train station (TGV)  
10 km from the Toulon-Hyeres International airport

### Online abstract submission before 15 May 2010:

[https://colloque.inra.fr/organic\\_matter\\_stabilisation\\_2010](https://colloque.inra.fr/organic_matter_stabilisation_2010)

## Call for abstracts

## International Symposium

**SOM**  
**2010**



## Organic matter stabilization and ecosystem functions



### Presqu'île de Giens (Côte d'Azur, France)

**19-23 September 2010**

**Organisers:** Soil Organic Matter Group  
Bioemco, Grignon, France

### Contact:

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[https://colloque.inra.fr/organic\\_matter\\_stabilisation\\_2010](https://colloque.inra.fr/organic_matter_stabilisation_2010)

# SOM 2010

This conference is supported by Molter (Natural molecular structures as drivers and tracers of terrestrial C fluxes, [www.molter.no](http://www.molter.no)), an ESF-funded Research Networking Programme.

*The aim of the symposium is to bring together scientists from different fields having an interest in organic matter dynamics and ecosystem functions. Although the main emphasis will be on soils, contributions from scientists working in other environments are highly encouraged.*

## General themes:

### 1– Relative contributions of root and shoot C to C storage in soils

*Soil C seems to be mostly derived from root C. We invite contributions dealing with quantification of above and belowground sources of SOM and the relative input of root and shoot-derived DOC as well as those concerning their stabilisation processes. Moreover studies highlighting rhizosphere processes as well as the role of biological activity in the transport of organic matter into subsoils, including those using molecular and isotopic markers are welcome.*

**Confirmed keynote lecture: Daniel Rasse (BIOFORSK, Norway)**

### 2– Natural molecular structures as drivers and tracers of ecosystem functions

*Although molecular structures of natural organic matter are mostly unknown, they might be crucial for the processes leading to stabilization/ destabilization of organic matter in the environment. We invite contributions that emphasise the role of molecules (nature, chemical structures and functionalities, reactivity, ...) for understanding ecosystem functions, in particular those using sophisticated modern analytical tools.*

**Confirmed keynote lecture: Myrna Simpson (University of Toronto, Canada)**

### 3– Microbial communities (biodiversity, microbial habitat-biota interactions...) as drivers of organic matter dynamics

*Micro-organisms are the main actors in the decomposition of organic matter, yet there is no clear understanding of the relationship between microbial diversity and decomposition. Recent theories have emphasised the importance of the environmental context in shaping the relationship between biodiversity and ecosystem function and therefore decomposition. We invite papers that shed light on the relationship between microbial communities and C and N dynamics, including the role of microbial diversity and that of constraints on microbial activities due to their habitat.*

**Confirmed keynote lecture: Jim Prosser (University of Aberdeen, United Kingdom)**

### 4– Trophic networks and organic matter dynamics

*Decomposition of organic matter involve organisms from all positions in the soil food web; including detritus consumers, microbial grazers, carnivores etc. and involving ecological interactions like inter- and intra-specific competition, predation etc. Soil food webs are usually studied by other scientists than those studying soil organic matter dynamics (ecology vs. soil science). Hence, food web theory is rarely integrated in soil organic models. We invite contributions that explore how food webs control the dynamics of C and N in soils, under different land uses and practices.*

**Confirmed keynote lecture: R. Bardgett (Lancaster University, United Kingdom)**

### 5– Impact of changing environmental controls on SOM dynamics

*Changing environmental conditions are having profound effects on SOM dynamics. Although some simple effects have been quantified in the short term (e.g. temperature effects), the long-term response and the underlying mechanisms remain uncertain. In addition, effects of multiple interacting factors need to be better understood, e.g. increased CO<sub>2</sub> concentration and priming effects, N deposition and soil C storage potential, interacting temperature and water regime. This session aims at exploring how single and interacting environmental changes are modifying SOM dynamics and the associated underlying mechanisms.*

**Confirmed keynote lecture: M. Reichstein (Max-Planck Institute, Jena, Germany)**

### 6– Heterogeneity and scaling processes of OM decomposition and stabilization: molecular to regional scales

*The processes involved in OM dynamics and stabilisation occur at the molecular to microbial scales, but these processes are influenced by factors that occur at different scales (management practices, climate, plant effects...), leading to highly heterogeneous and complex system. Despite this complexity, different levels of organisation can be identified. Identifying levels of organisation and integrating information across scales are major challenges for understanding global C and N dynamics and are the subject of this session.*

**Confirmed keynote lecture: John Crawford (University of Sydney, Australia)**

## Important dates

February 2010: call for abstracts

15 May 2010: deadline for abstract submission

30 June 2010: end of registration at preferential prices

# SOM 2010