



14th -16th June 2010 Aix-en-Provence France

Program / Programme

Monday, June 14, 2010

- 10:00- 11:00 **Registration/Inscriptions**
- 11:00-11:15 **Welcome speech/Discours de bienvenue**
B. TALON, IMEP, FRANCE
O. NELLE, KIEL, GERMANY
- 11:15-12:00 **Invited speaker/Conférencier invité**
THIERRY DUTOIT, *IMEP, Professor Université d'Avignon*
**Pedoanthracology : an important tool for the identification of
reference ecosystems in ecological restoration projects**
- 12:00-13:00 lunch (buffet)*
- 13:00 Session 1: How to use pedoanthracology / pédoanthracologie mode d'emploi**
- Chair man/Président: B. TALON**
- 13:00-13:30 **For a rational standardization of pedoanthracological methods**
MICHEL THINON, Marseille (France)
- 13:30-14:00 **Wood diameter analysis of charcoals – Application in
pedoanthracology?**
OLIVER NELLE, Kiel (Germany)
- 14:00-14:30 **Charcoal taxonomical assemblages: is it possible to definite
threshold of identification?**
VINCENT ROBIN & OLIVER NELLE, Kiel (Germany) & Aix-en-Provence (France)
- 14:30-15:00 **Differences in flammability and combustibility of subalpine trees in
the French Alps. Implications for the charcoal production**
THIBAUT FREJAVILLE, Aix-en-Provence (France)
- 15:00-15:30 Health Break/coffee and tea*

15:30 Session 1: How to use pedoanthracology / pédoanthracologie mode d'emploi

Chair man/Président: M. THINON

- 15:30-16:00 **Spatial variability of soil charcoal records**
PHILIPPE TOUFLAN & BRIGITTE TALON, Marseille (France)
- 16:00-16:30 **Charcoal in Upper Pleistocene loess and palaeosols from natural and archaeological contexts in the Eurasian Plain**
FREDDY DAMBLON & PAUL HAESAERTS, Brussels (Belgium)
- 16:30-17:00 **Pedoanthracology as a climato-stratigraphical tool: data from Cordillera Real, Northern Andes**
STEFANIA IMPAGLIAZZO *et al.*, Portici (Italy)
- 17:00-18:30 **Concluding discussion of session 1**

20:00 “eat together” Grand R, Aix-en-Provence, city center

Tuesday, June 15, 2010

9:00 Poster Session 1 How to use pedoanthracology / pédoanthracologie mode d'emploi

Chair man/Président: C. DELHON

Charcoal signal from pedoanthracological samples and charcoal site production samples: a qualitative and quantitative comparison

HANNES KNAPP *et al.*, Kiel (Germany)

Anatomical distinction of Larix and Picea charcoal pieces, using bordered pit in the ray tracheids

VINCENT ROBIN & BRIGITTE TALON, Kiel (Germany) & Aix-en-Provence (France)

Macroscopic-to-microscopic quantification of charcoal fragments and particles: contribution to the charcoal taphonomy from Upper Palaeolithic sites

LAURENT MARQUER, Paris (France)

Anthracology and Geomorphology combining approaches in field, laboratory and data interpretation

ANNEGRET KRANZ & UTA LUNGERSHAUSEN, Kiel (Germany)

Pedoanthracology: what is exactly a wood charcoal?

MELANIE SAULNIER & BRIGITTE TALON, Aix-en-Provence (France)

9:30 Session 2: **Pedoanthracology contribution to multi-/interdisciplinary approaches**
/ Apport de la pédoanthracologie aux approches multi-/interdisciplinaires

Chair man/Président: F. DAMBLON

- 9:30-10:00 **Holocene treeline fluctuations in the southern Pyrenees: Pedoanthracology, palinology and sedimentary macrocharcoal analysis as a transdisciplinary approach**
RAQUEL CUNILL *et al.*, Barcelone (Spain)
- 10:00-10:30 **Forest and Steppe in the sub mediterranean Grands Causses area (South Massif Central, France): how a century old problem, formerly studied with ecology and archaeo anthracology was recently solved by pedo anthracology.**
JEAN-LOUIS VERNET, Montpellier (France)
- 10:30-11:00 Health Break/coffee and tea*

11:00 Session 2: **Pedoanthracology and multi-/interdisciplinary approaches**

Chair man/Président: O. NELLE

- 11:00-11:30 **Between archaeoanthracology and pedoanthracology : charcoal records from pedosedimentary contexts. A look back on the “TGV-Méditerranée” experience.**
CLAIRE DELHON *et al.*, Nice (France)
- 11:30-12:00 **Pedoanthracology and dendroecology : two complementary approaches applied to old forests history.**
BRIGITTE TALON *et al.*, Marseille (France)
- 12:00-12:30 **Pedoanthracological contribution to forest naturalness assessment**
VINCENT ROBIN *et al.*, Kiel (Germany) & Aix-en-Provence (France)
- 12:30-13:30 Lunch (buffet)*

13:30 Poster Session 2 **Pedoanthracology and multi-/interdisciplinary approaches**

Chair man/Président: V. ROBIN

Anthracology between natural and anthropogenic deposits. Current research in SE Europe
TIM SCHROEDTER & OLIVER NELLE, Kiel (Germany)

Combination of charcoal data from archaeological and soil context – preview and first results

DORIS JANSEN & OLIVER NELLE, Kiel (Germany)

Fire history assessment at the local scale: Complementary usage of pedoanthracology and macro-charcoal analysis – Illustration from Northern Germany

VINCENT ROBIN & OLIVER NELLE, Kiel (Germany) & Aix-en-Provence (France)

Wood in Roman Age: cultural landscapes, forest exploitation and timber circulation. The contribution of pedoanthracology

DANIELA MOSER *et al.*, Kiel (Germany)

Pedoanthracology and geoarchaeology: an example of methodological approach in the Eastern French Pyrenees

MARIE-CLAUDE BAL, Barcelone (Spain)

Holocene environmental change in Northern Apennines

CHIARA COMPOSTELLA, *et al.*, Milano (Italy)

14:00 DISCUSSIONS – ROUND TABLES

General and concluding discussion
Planning of a joint publication
“Handbook of pedoanthracology” project

Wednesday, June 16, 2010

Excursion to the Mont Ventoux

8:00 Bus Departure (previsonal back to the workshop place: 18:00)

Detailed programm in preparation

The mountain, Mont Ventoux (two hours from Aix-en-Provence, 1912 metres high), also called the “Giant of Provence”, stands sovereign over the region, as its nickname suggests. This mountain has become a myth in the history of Provence. From its summit you can discover one of the most splendid panoramas of Europe, taking in the Vallée du Rhône, the Baronnies and the Vaucluse plateau.

Its vegetation and landscapes, of particular interest, vary according to the altitude: 400 different flowers and more than a thousand types of plants adorn its slopes over five levels between 400 and 1900 metres.

Classed by UNESCO, it is a reserve with the label MAB - Man and the Biosphere. Pedoanthracological investigation has been done for the first time there few decades ago. An overview of it will be present during the day. Moreover, the fertile land that spreads out from the foot of Mont Ventoux supports the character laden vineyards of the local wines with their Appellation d’Origine Contrôlée (AOC) label, which we should taste, of course!