

**CONFERENCE OF EU COST ACTION ES1306**  
**CONNECTING EUROPEAN CONNECTIVITY RESEARCH - CONNECTEUR**  
**February, 28 to March, 5, 2016 - Palermo (Italy)**  
**Dipartimento Scienze Agrarie e Forestali dell'Università di Palermo**  
**Department Agricultural and Forestry Sciences of the University of Palermo**  
*Viale delle Scienze, 90128 Palermo, Edificio 4*

## **Programme of the meeting**

### **February 28, Sunday**

Arrival of the participants in Palermo

### **February 29, Monday**

Working groups meetings

### **March 1, Tuesday**

**From 9.00 to 9.30**

#### **Welcome address**

*Stefano Colazza*, Director of the Department Agricultural and Forestry Sciences of the University of Palermo  
*Saskia Keesstra*, Chair of COST action ES1306: Connecting European Connectivity Research

#### **Agenda of the meeting**

*Giuseppe Provenzano*, member of the organizing committee

### **Topic 1 - RAINFALL CONTROL ON CONNECTIVITY**

**Chairman:** M. Iovino

**From 9.30 to 11.00**

- **Rainfall characteristics in semi-arid environments** - *F.G. Carollo, M. Serio, V. Ferro*
- **Internal structure of erosive and non-erosive storm events for interpretation of erosive processes**  
- *F. Todisco*

**Discussion** (0.5 hours)

**From 11.00 to 11.30**

Coffee break

### **Topic 2 - SOIL CONTROL ON CONNECTIVITY**

**Chairman:** S. Assouline

**From 11.30 to 14.00**

- **How much importance does the soil hydrologic behavior play on water dynamics in the soil-vegetation-atmosphere system? A voyage of recent progress through scales** - *N. Romano*
- **Infiltration measurement for soil hydraulic characterization** - *R. Angulo-Jaramillo, L. Lassabatère*
- **Infiltration processes into macroporous soils** - *L. Lassabatère, R. Angulo-Jaramillo*

**Discussion** (1 hour)

**From 14.00 to 15.30**

Light lunch at the Department Agricultural and Forestry Sciences

### **Topic 3 - HYDROLOGICAL CONNECTIVITY**

**Chairman:** M. Nearing

**From 15.30 to 19.30**

- **Hydrological response of watersheds in arid and semiarid areas** - *S. Assouline*
- **Hydrological processes in hydro-repellent soil conditions. Some examples in the Mediterranean** - *A. Cerdà, M. Burguet*
- **Innovative methods for improving hydrological predictions** - *L. Brocca, S. Camici, C. Massari, L. Ciabatta, S. Barbetta, A. Tarpanelli, G. Zucco, P. Maccioni, T. Moramarco*
- **Modelling and using structural and functional connectivity** - *S.M. Reaney*
- **Norwegian connectivity: challenges and research** - *R.J. Barneveld, J. Stolte*
- **Understanding vegetation pattern controls on hydrologic connectivity and erosion in semiarid landscapes** - *P. Saco*

Discussion (1.0 hour)

### **March 2, Wednesday**

### **Topic 4 - CONNECTIVITY OF SOIL EROSION PROCESSES**

**Chairman:** S. Keesstra

**From 9.00 to 11.00**

- **Partial area hydrologic response: connectivity and erosion?** - *M.A. Nearing*
- **Empirical prediction of soil erosion in a Mediterranean environment** - *V. Ferro, V. Bagarello, C. Di Stefano, V. Pampalone, N. Caraballo*
- **Process-based approaches for predicting soil erosion at the field and small watershed scales** - *D. Torri*
- **Using tracers  $^{137}\text{Cs}$  and  $^{210}\text{Pb}_{\text{ex}}$  to predict erosion rates in Mediterranean environments. Results from recent research in a small catchment in southern Italy** - *P. Porto*

**From 11.00 to 11.30**

Coffee break

**From 11.30 to 14.00**

- **Terraced landscapes: from an old best practice to a potential hazard for soil degradation due to land abandonment** - *P. Tarolli*
- **Analysis of suspended sediment transport in a Mediterranean watershed** - *F. Gentile*
- **Connectivity as a crucial determinant of badland morphology and evolution** - *H. Faulkner*

Discussion (1.0 hour)

**From 14.00 to 15.30**

Light lunch at the Department Agricultural and Forestry Sciences

**From 15.30 onwards**

Time for a short tour of the town or for a longer general discussion

All lectures will be given at the great hall “Gian Pietro Ballatore” of the Department Agricultural and Forestry Sciences

Poster exposition on March 1 and 2 - great hall “Gian Pietro Ballatore”

### **March 3, Thursday**

*Morning:* Technical visit at the experimental station for soil erosion measurement “Sparacia”

Picnic lunch

*Afternoon:* Touristic visit at the “Valle dei Templi” of Agrigento

### **March 4, Friday**

Technical visit at the Feudo Arancio winery and vineyards where soil conservation practices were tested and soil organic carbon dynamics was studied.

A lecture will be given by the Palermo’s team on “**Soil organic carbon dynamics in a Mediterranean environment under erosional processes**”.

Light lunch at the Feudo Arancio farm.

### **March 5, Saturday**

Departure from Palermo

#### **Organizing committee**

Vincenzo Bagarello - Nathalie Caraballo - Francesco Giuseppe Carollo - Artemi Cerdà - Costanza Di Stefano - Vito Ferro - Giuseppe Giordano - Luciano Gristina - Massimo Iovino - Saskia Keesstra - Agata Novara - Vincenzo Pampalone - Giuseppe Provenzano