

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 Keestra, 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}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