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
- 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 $^{210}$Pbex 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**