

# Program: Land-atmosphere interactions at the regional scale

## 1. Monday October 8th: Fundamental processes

MORNING SESSION. CHAIR: J. Vilà-Guerau de Arellano

- 9:00 - 10:00 – **The surface energy balance: observational challenges (T. Foken).**
- 10:00 - 10:15 – Discussion.
- 10:15 - 11:00 – Coffee break.
- 11:00 - 12:00 – **Land-atmosphere interactions (C. van Heerwaarden).**
- 12:00 - 12:45 – Wrap up discussion.
- 13:00 - 14:00 – Lunch break.

AFTERNOON SESSION. CHAIR: D. Pino

- 14:00 - 15:00 – **The role of a vegetative canopy and its interaction with atmospheric turbulence (E. Patton).**
- 15:00 - 15:15 – Discussion.
- 15:15 - 16:00 – Coffee break.
- 16:00 - 17:00 – **Photosynthesis and CO<sub>2</sub> soil respiration interaction with atmosphere dynamics (J. Vilà-Guerau de Arellano).**
- 17:00 - 17:45 Wrap up Discussion.

## 2. Tuesday October 9th: Representation of Land-Atmospheric interactions

MORNING SESSION. CHAIR: P. A. Jiménez

- 9:00 - 10:00 – **Parametrizations in regional climate models (J. Dudhia).**
- 10:00 - 10:15 – Discussion.
- 10:15 - 11:00 – Coffee break.
- 11:00 - 12:00 – **On the representation of Land-surface interactions in meteorological models (P. Viterbo).**
- 12:00 - 12:45 – Wrap up discussion.
- 13:00 - 14:00 – Lunch break

AFTERNOON SESSION. CHAIR: E. García-Bustamante

- 14:00 - 15:00 – **Anthropogenic influences: urbanization (A. Martilli).**
- 15:00 - 15:15 – Discussion.
- 15:15 - 16:00 – Coffee break + short presentation of the posters (1 min).
- 16:00 - 17:00 – Poster session.
- 17:00 - 18:30 – Tapas and refreshments.

### **3. Wednesday October 10th: Climate influence of land-surface interactions**

MORNING SESSION. CHAIR: J. F. González-Rouco

- 9:00 - 10:00 – **The influence of a Land-surface model in regional climate simulations (J.P. Montávez).**
- 10:00 - 10:15 – Discussion.
- 10:15 - 11:00 – Coffee break
- 11:00 - 12:00 – **Soil moisture and land cover influences on the regional climate (E. Davin).**
- 12:00 - 12:45 – Wrap up discussion.
- 13:00 - 14:00 – Lunch break

AFTERNOON SESSION. CHAIR: P. A. Jiménez

- 14:00 - 15:00 – **Beyond the regional scale: a global perspective (J. F. González-Rouco).**
- 15:00 - 15:15 – Discussion.
- 15:15 - 16:00 – Final panel debate between speakers and audience.