

PS04 Earth System Science, climate change and extreme events**September 16th**

Room O104		Author
09:30-09:45	Space and time variability of precipitation and droughts in Portugal. PCA application to SPI, PDSI and MedPDSI indices	Diogo Martins
09:45-10:00	Drought indices based on precipitation and evapotranspiration in Portugal: drought, aridity and climate trends	Ana Paulo
10:00-10:15	An outlook on future drought characteristics in Iran under a changing climate	Tayeb Raziei
10:15-10:30	Regional Frequency Analysis of Droughts: Portuguese Case	João Filipe Santos
10:30-10:45	Increasing Weather Risk: Fact or Fiction?	Weining Wang

PS05 Soil degradation and Soil quality: Soil functions and Land Use**September 16th**

Room O104		Author
15:00-15:15	Regional impact of climate change on soil moisture dynamics in Germany and implications for nature conservation areas	Anne Holsten
15:15-15:30	Modeling fire behavior in shrubs land on southern Portugal	Isilda Menezes
15:30-15:45	Levels and sources of persistent organic pollutants and potentially toxic elements in Portuguese urban areas	Ana Cachada
15:45-16:00	Combined effects of land use change and climate change on the watershed hydrology in the Cerrado and Atlantic forest brazilian biomes	Humberto Rocha
16:00-16:15	Slope length effect on water erosion as affected by surface soil rock fragments: modelling and applications to vineyards of the Douro Valley, Portugal	Tomás de Figueiredo

PS06 Water Resources and Management**September 17th**

Room O103		Author
13:45-14:00	Water resources management under extreme events using Mike Basin	Luís Fernandes
14:00-14:15	Uncertainty assessment of environmental flows for decision-making processes based on risk analysis	Cristina Aguilar
14:15-14:30	Scale effects in the snow dynamics modelling in a Mediterranean environment	Miriam Carpintero
14:30-14:45	Development of a management tool for reservoirs in Mediterranean environments based on uncertainty analysis	Raquel Gomez-Beas