2nd Alqueva Summer School on Atmospheric and Inland Water Sciences
Alqueva, 19 – 21 June 2018

***Informations and inscriptions*: http://www.alop.ict.uevora.pt/alquevasummerschool/**

Goals and scope

The summer school covers a range of advanced topics in atmosphere and inland water sciences, it is directed to young scientists and graduate students in Earth and Environmental Sciences, Physics or Engineering, who wish to deepen their knowledge in atmospheric and water sciences and the interactions between lake /reservoirs and the climate.

The School includes a 3 days intensive training period with courses by a set of international lecturers and the participation in meteorological and limnological field campaign activities.

The Summer School is open to PhD students in Environmental and Earth Sciences, Physics and Engineering, with a priority for PhD students from the University of Évora and from the Lisbon Doctoral School on Earth System Science. Postdocs, junior scientists, meteorologists, hydrologists and master students are also welcome. A maximum of 25 participants.

No participation/registration fee will be charged.

The courses will be given in the Alqueva Cultural Centre, in Alqueva village.
Includes travel (on foot, by car and by boat) from the hostel to experimental sites. Participants are expected to finance their own travel and accommodation expenses.
Registration should be done on line at http://www.alop.ict.uevora.pt/alquevasummerschool/ before 1/6/2018.

Accommodation:
Alqueva Hostel: 13 € per person in shared room, with breakfast.
Meals not included: on behalf of the participants. There is a small kitchen in the hostel. The village restaurants will have special prices for the Alqueva Summer School on Atmospheric and Water Scineces.

ALOP Field Campaign

The students will participate in a field campaign on Water-Atmosphere interactions, including measurements of: meteorological parameters at surface and in altitude; Water profiles of physical, biochemical and biological parameters; mass and energy fluxes at the water-atmosphere interface; ecotoxicological analysis of water and sediments; water quality of the reservoir and in tributary streams, Radiative fluxes at the surface and inwater, aerosols and bioaerosols concentration,

AGENDA (Draft)	***Alqueva Summer School on Atmospheric and Inland-Water Sciences***
19 June	
9:00 - 10:00	Rui Salgado, Miguel Potes and Manuela Morais Welcome Session: Introduction to ALOP Experiment and 2nd Alqueva Summer School.
10:00 - 11:30	José da Silva, FCUP ***Satellite Remote sensing over water surfaces*** Deteção Remota de satélite sobre superfícies de água
12:00 - 13:00	António Chambel, *UE* **Surface water – groundwater interactions** Interação águas superficiais-águas subterrâneas
13:00 - 14:30	Lunch time

AGENDA (Draft)	***Alqueva Summer School on Atmospheric and Inland-Water Sciences***
14:30 - 16:00	Eduardo Morales and Helena Novais, ICT ***Algae and primary productivity in reservoirs*** Algas e produtividade primária em albufeiras
16:00 - 19:00	***Field campaign activities***
19:30 - 21:00	Dinner time
20 June	
7:00	Launch of meteorological balloon
9:00-10:00	Pedro Soares, IDL ***Regional climate modelling and future climate***
10:00 - 11:00	Rita Cardoso, IDL ***Land-atmosphere coupling and climate extremes***
11:30 - 13:00	Patrícia Palma, IPB ***Environmental risk assessment of pesticides in reservoirs of South of Portugal***
13:00 - 15:00	Lunch Portugal – Morocco (football match)
15:30 - 16:30	Alexandre Araújo, UE ***The Alqueva Fault: An active tectonic structure?*** A Falha de Alqueva: Uma estrutura tectónica activa?
16:30– 19:30	***Field campaign activities***
20:00	Summer school Dinner and social event
21 June	
7:00	Launch of meteorological balloon
9:00 – 10:30	Florence Habets, CNRS ***Hydrological modeling: integrating the impact of the groundwater and anthropogenic effect at the basin scale.***
11:00 - 12:00	Gianpaolo Balsamo, ECMWF ***Land surface modelling: representing heterogeneity***
	Gianpaolo Balsamo, ECMWF ***Land surface modelling: coupling to atmosphere***

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12:00 - 13:00	***Lunch***
14:30 - 15:30	Célia Antunes, UE ***Methodologies for the Monitoring and Caracterization of Bioaerosols: the role of lake emissions to atmosphere*** *Methodologies for the Monitoring and Caracterization of Bioaerosols: the role of lake emissions to atmosphere*
15:30 - 19:00	***Field campaign activities***

Organization:

ALOP project,
Doctoral Program on Earth and Space Sciences (University of Évora)
Lisbon Doctoral School on Earth System Science (University of Lisbon)
ICT (Évora Pole)
Instituto Dom Luiz

Organizing Committee:

Rui Salgado, Maria João Costa, Manuela Morais e Miguel Potes (ICT / U. Évora), Emanuel Dutra e Pedro Miranda (IDL / U. Lisboa), Patrícia Palma (IPBeja)

Cofinanciado por:


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Sponsors:


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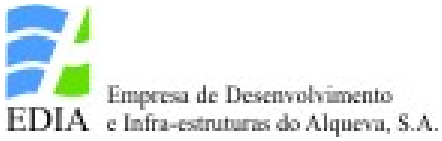
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Empresa de Desenvolvimento
e Infra-estruturas do Alqueva, S.A.

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ALQUEVA
Hostel