

Workshop rationale

"Towards an interdisciplinary approach"

Modern societies are facing several enormous challenges, such as climate and environmental changes, demographic changes, demands for prosperity and better health-care and increased globalization. The solutions can be found by thinking outside conventional boundaries of natural sciences, economics, technology, cultural understanding, design, branding, IT, language and innovation.

On this background, researchers, scientists and policy makers from different fields and disciplines need to combine diverse knowledge and competence in new and productive ways, to improve understanding of pressing problems and solve complex societal challenges. The goal is to become far better than we now are at creating genuine and optimal frameworks for students, researchers and the business community, to be able to think and work in an interdisciplinary mode that crosses and thinks across the traditional disciplinary boundaries in order to create a novelty. Interdisciplinary research communities bring international knowledge, contribute most to knowledge sharing, and attract the most outside funding, thus are both financially and scientifically sensible.

In light of the above, partners from the Aristotle University of Thessaloniki and the Justus Liebig University of Giessen set the priorities for the success of the joint research project "*The Mediterranean Hot-Spot: Challenges and Responses in a Changing Environment*". Focusing on our project's goals, *interdisciplinary thinking* has moved up on our agenda, to address the challenges that the Mediterranean changing environment poses. Our vision is to strengthen the interaction between different disciplines and combine the most advanced knowledge within traditional natural and technical sciences and areas within the humanities and the social sciences. Therefore, we are looking forward to future interdisciplinary research that is necessary to develop promising technologies for exploring, optimizing, and solving the complex environmental problems that the Mediterranean basin is facing.



Adapted from www.ulivisecolaridipuglia.com



Joint JLU-AUTH

Workshop

"Towards an interdisciplinary approach"

The Mediterranean Hot-Spot: Challenges and Responses in a Changing Environment

29 November 2018

Department of Geography
Justus-Liebig-University of Giessen
Seminar room 006, Senckenbergstr. 01
(Neues Schloss), Giessen



Deutscher Akademischer Austausch Dienst
German Academic Exchange Service

Thematic Workshop

- 08:45-09:00** **Juerg Luterbacher**
Dept. of Geography, Justus-Liebig-University of Giessen
“The Mediterranean Hot-Spot: Challenges and Responses in a Changing Environment – A DAAD Project”
- 09:00-09:40** **Andreas Matzarakis**
Zentrum für Medizin-Meteorologische Forschung Deutscher Wetterdienst
“Communication aspects of heat waves - The Heat Health Warning System in Germany”
- 09:40-10:20** **Adam Izdebski**
Max Planck Institute for the Science of Human History
“Studying the long-term impact of climate change on the society and economy in Greece: an interdisciplinary historical approach”
- 10:20-11:00** **Andrea Toreti**
European Commission, Joint Research Centre, Unit of Food Security
“Climate change impacts on agriculture: current understanding and challenges”

11:00-11:30 Refreshments break

- 11:30-12:10** **Theodoros Mavromatis**
Dept. of Meteorology and Climatology, School of Geology, Aristotle University of Thessaloniki
“Spatial resolution effects on crop yield forecasts: An application to rainfed wheat yield in North Greece with CERES-Wheat crop model”

- 12:10-12:50** **Stefanos Koundouras**
School of Agriculture, Aristotle University of Thessaloniki
“Climate Change and Viticulture: the Greek Wine Industry Case Study”

- 12:50-13:30** **Alexandros Dimitrakopoulos**
School of Forestry and Natural Environment, Aristotle University of Thessaloniki
“Climatic change and wildland fires in the Mediterranean Basin”

13:30-14:30 Lunch Break

- 14:30-15:10** **Stefanos Nastis**
School of Agriculture, Aristotle University of Thessaloniki
“Society's reactions to a carbon-tax”

- 15:10-15:50** **Andreas Dittmann**
Dept. of Geography, Justus-Liebig-University of Giessen
“Refugees and IDPs in the Eastern Mediterranean - Recent Migration patterns as a Field of traditional interdisciplinary Research”

- 15:50-16:10** **Stella Dafka**
Dept. of Geography, Justus-Liebig-University of Giessen
“A Greek-German DAAD joint research project - The importance of internationalisation”

- 16:10-16:30** **Discussion**

- 16:30** **Closure**