



# International Conference **ADAPTtoCLIMATE**

**27 – 28**  
**March, 2014**

Filoxenia Conference Centre  
**Nicosia, Cyprus**  
**A G E N D A**



The conference is organized in the framework of the LIFE+ co-financed project "Development of a national strategy for adaptation to climate change adverse impacts in Cyprus", CYPADAPT (LIFE10 ENV/CY/000723)

Visit the Conference website:  
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National Technical  
University of Athens



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The EU's Funding Instrument  
for the Environment

Thursday, 27 March 2014

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| 08:00 - 9:15                                                                                                                 | Registration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 09:15 - 10:00                                                                                                                | Welcome Speeches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 10:00 - 11:30                                                                                                                | <p><b>Keynote Speakers, Zenon Kitievs Room 2 &amp; 3</b><br/><b>Chair:</b> M. Loizidou, T. Mesimeris</p> <p><b>Rosario Bento Pais</b>, European Commission, DG Climate Action, Adaptation to climate change in the EU: the central role of national adaptation strategies<br/><b>Georges Kremlis</b>, European Commission, DG Environment, Environmental integration in climate change<br/><b>Stéphane Isoard</b>, European Environment Agency, Facilitating climate change adaptation in Europe<br/><b>Maria Loizidou</b>, National Technical University of Athens, National strategy for adaptation to climate change adverse impacts: The case of Cyprus adaptation<br/><b>Tim Carter</b>, Finnish Environment Institute, Projecting climate change impacts: how robust are our methods?<br/><b>Marco Moriondo</b>, University of Florence, Climate change and Mediterranean agriculture: impacts, and adaptation and mitigation roles of typical Mediterranean crops</p> |
| 11:30 - 12:00                                                                                                                | Coffee Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SESSION I: Climate change &amp; Adaptation Part 1, Zenon Kitievs Room 2 &amp; 3</b><br><b>Chair: S. Isoard, T. Carter</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 12:00 - 12:15                                                                                                                | <p><b>A. Kikas</b><br/>Adaptation to climate change-Preparing today for the challenges of the future</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 12:15 - 12:30                                                                                                                | <p><b>C. Papadaskalopoulou, G. Konstantzos, G. Koutoula, G. Lemesios, K. Moustakas, D. Malamis, K. Ioannou, M. Zachariou-Dodou, T. Mesimeris, M. Loizidou</b><br/>Assessment of Cyprus' vulnerability to climate change and development of a National Adaptation Strategy</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 12:30 - 12:45                                                                                                                | <p><b>G. Konstantzos, G. Koutoula, C. Papadaskalopoulou, G. Lemesios, K. Moustakas, D. Malamis, T. Mesimeris, M. Zachariou-Dodou, M. Loizidou</b><br/>Development of a Multi-criteria analysis software tool for the evaluation of climate change adaptation measures</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 12:45 - 13:00                                                                                                                | <p><b>Z. Lengyel</b><br/>Agriculture and forestry adaptation challenges of Eastern Europe/Caucasus countries</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| 13:00 - 13:15                                                                                                                             | <b>I. Kuti, A. Karcagi-Kováts</b><br>Objectives and indicators of the climate change in the national sustainable development strategies of the EU member states                                                                                                                                                        |
| 13:15 - 13:30                                                                                                                             | <b>M. Wrobel, V. Lepousez, L. Costa, H. Loukos, J. Kropp, S. Banegas Martin, C. Carani, M. Csete, M. Gyalai-Korpos, C. Henschke, G. Ladoneczki, E. Lopez Baeza, T. Pischzan, K. Stasica, E. Szlauer</b><br>Towards tailored adaptation services for sub-national actors in Europe: results from a KIC pathfinder study |
| 13:30 - 13:45                                                                                                                             | <b>M. Valiantis</b><br>Adapting the Transport Sector: The Case of Cyprus                                                                                                                                                                                                                                               |
| 13:45 - 14:00                                                                                                                             | <b>Th. Panayotou</b><br>Green Growth, Addressing both the Economic Crisis and Climate Change                                                                                                                                                                                                                           |
| 14:00 - 14:15                                                                                                                             | Discussion - Conslusions                                                                                                                                                                                                                                                                                               |
| 14:15 - 15:00                                                                                                                             | Lunch Break                                                                                                                                                                                                                                                                                                            |
| <b>SESSION II: Climate Change Observations and Projections, Zenon Kitievs Room 1</b><br><b>Chair: D. Asimakopoulos, C. Giannakopoulos</b> |                                                                                                                                                                                                                                                                                                                        |
| 12:00 - 12:15                                                                                                                             | <b>C. Giannakopoulos, G. Lemesios, M. Petrakis, Th. Kopania, N. Roukounakis</b><br>Projection of climate change in Cyprus using a variety selected regional climate models                                                                                                                                             |
| 12:15 - 12:30                                                                                                                             | <b>B. Bartók</b><br>Changes in aerosol radiative effect on clear sky radiation over Europe                                                                                                                                                                                                                             |
| 12:30 - 12:45                                                                                                                             | <b>A. Robinson, M. Knaus, D. Coumou, S. Rahmstorf</b><br>Historic and future increase in heat extremes worldwide and in the Mediterranean                                                                                                                                                                              |
| 12:45 - 13:00                                                                                                                             | <b>Y. Samuel-Rhoads, G. Zodiatis, D. Hayes, G. Konnaris, G. Georgiou</b><br>Climate change impacts on sea surface temperature in the eastern Mediterranean, Levantine Basin                                                                                                                                            |
| 13:00 - 13:15                                                                                                                             | <b>G. Zittis, P. Hadjinicolaou, J. Lelieveld</b><br>Projected changes of heat wave characteristics in the eastern Mediterranean and the Middle East                                                                                                                                                                    |
| 13:15 - 13:30                                                                                                                             | <b>Sohrab Ghaedi, Mojtaba Ghaedi</b><br>Humidity seasons of Iran                                                                                                                                                                                                                                                       |
| 13:30 - 13:45                                                                                                                             | <b>Kl. Nicolaides</b><br>Seasonal Forecast for the area of the east Mediterranean: Products and perspectives                                                                                                                                                                                                           |
| 13:45 - 14:00                                                                                                                             | <b>F. Tymvios, S. Michaelides</b><br>Spatial and temporal characteristics of the yearly rainfall frequency distribution in Cyprus                                                                                                                                                                                      |



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| 14:00 - 14:15                                                                                                                 | <b>E. T. Taylor, I. S. Kamara, A. Bockarie</b><br>Rainfall Pattern in Freetown, Sierra Leone: From a retrospective viewpoint                                                                                                   |
| 14:15 - 15:00                                                                                                                 | Lunch Break                                                                                                                                                                                                                    |
| <b>SESSION III: Climate change &amp; Agriculture Part 1, Elia VIP Room</b><br><b>Chair: M. Moriondo, Ch. Chadjianonis</b>     |                                                                                                                                                                                                                                |
| 12:00 - 12:15                                                                                                                 | <b>M. El-Maayar, P. Hadjinicolaou, M. A. Lange</b><br>Investigating the effect of climatic extremes on wheat yield in the Mediterranean countries                                                                              |
| 12:15 - 12:30                                                                                                                 | <b>M. Moriondo, G. Argenti, C. Dibari, R. Ferrise, N. Staglianò, M. Bindi</b><br>Effects of extreme events on durum wheat insurance assessment                                                                                 |
| 12:30 - 12:45                                                                                                                 | <b>M.P. Papadopoulou, D. Charchousi, V.K. Tsoukala, C. Giannakopoulos, M. Petrakis</b><br>Water footprint assessment of applied agricultural policies based on climate change scenarios                                        |
| 12:45 - 13:00                                                                                                                 | <b>K. Constantinidou, P. Hadjinicolaou, G. Zittis, J. Lelieveld</b><br>Estimating the thermal effect in potential yield of subtropical wheat, due to projected regional warming in the 21st century                            |
| 13:00 - 13:15                                                                                                                 | <b>R. E. Allen, D. F. Webber</b><br>Identifying and Addressing the Vulnerability of the Fishers of the Pedro Bank, Jamaica to Climate Change Loss and Damages from Slow Onset Events                                           |
| 13:15 - 13:30                                                                                                                 | <b>L. Taranu</b><br>Climate change impacts on main agriculture crops in the Republic of Moldova                                                                                                                                |
| 13:30 - 13:45                                                                                                                 | <b>I Normatov</b><br>The impact of Climate change and Agroclimatic resources on maintenance of Food Security and creation of adaptation mechanisms                                                                             |
| 13:45 - 14:00                                                                                                                 | <b>L. Taranu, T. Mironova, G. Mleavaia</b><br>Projections of changes in agroclimatic conditions in the Republic of Moldova according to an ensemble from 10 GSMs for SRES A2, A1B and B1 emission scenarios in the XXI century |
| 14:00 - 14:15                                                                                                                 | Discussion - Conclusions                                                                                                                                                                                                       |
| 14:15 - 15:00                                                                                                                 | Lunch Break                                                                                                                                                                                                                    |
| <b>SESSION IV: Climate change &amp; Coastal areas, Zenon Kitievs Room 2 &amp; 3</b><br><b>Chair: M. Petrakis, V. Tsoukala</b> |                                                                                                                                                                                                                                |
| 15:00 - 15:15                                                                                                                 | <b>V.K. Tsoukala, Ch. Makropoulos, A. Lykou, M. Chondros</b><br>Extreme and rare events in coastal regions due to climate change - A case study application in Rethymno.                                                       |
| 15:15 - 15:30                                                                                                                 | <b>A. Toumazis</b><br>Flood Barriers An Adaptation Measure to Climate Change                                                                                                                                                   |

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| 15:30 - 15:45                                                                                               | <b>G. Lemesios, C. Papadaskalopoulou, K. Moustakas, D. Malamis, K. Ioannou, Maria Zachariou-Dodou, C. Giannakopoulos, M. Petrakis, T. Mesimeris, M. Loizidou</b><br>Future heat-related impact assessment of tourism industry to climate change in Cyprus                        |
| 15:45 - 16:00                                                                                               | <b>X. Loizidou, M. Loizides</b><br>Coastal adaptation to climate changes through an Integrated Coastal Zone Management approach: from theory to practice                                                                                                                         |
| 16:00 - 16:15                                                                                               | <b>G. Alexandrakis</b><br>Estimation of the climatic change impact to beach tourism using joined vulnerability analysis and econometric modeling                                                                                                                                 |
| 16:15 - 16:30                                                                                               | <b>I. Monioudi, A. Karditsa, G. Alexandrakis, S. Poulos, A. Velegrakis, O. Andreadis, G. Ghionis, S. Petrakis, D. Sifnioti, E. Markakis, D.I. Giannouli</b><br>Vulnerability Assessment of Eastern Cretan Beaches (Greece) to the sea level rise                                 |
| 16:30 - 16:45                                                                                               | <b>P.G. Drakopoulos, G. Skianis, S.E. Poulos, A. Velegrakis, K. Lazogiannis, G. Ghionis</b><br>Use of satellite imagery for automated monitoring the shoreline retreatment rate                                                                                                  |
| 16:45 - 17:00                                                                                               | <b>T. A. Andrikopoulos, S. Kamnis</b><br>UNFLOP-Unsinkable-Stable Unaffected by Waves Floating Truss Platforms                                                                                                                                                                   |
| 17:00 - 17:15                                                                                               | <b>S. Zavros, G. Protopapas</b><br>Coastal Erosion in Cyprus                                                                                                                                                                                                                     |
| 17:15 - 17:30                                                                                               | <b>C. Erdas, P. Fokaides, C. Charalambous</b><br>Environmental management strategies towards reducing the ecological footprint of Limassol port                                                                                                                                  |
| 17:30 - 17:45                                                                                               | <b>P. Lupino, P. Scaloni, A.T. Vafeidis</b><br>DIVA-COFLE Map Comparison: An Exercise to carry out a comparison of two models for assessing the risks of Climate Change induced Sea Level Rise in Mediterranean coastal areas                                                    |
| <b>SESSION V: Climate change &amp; Health, Zenon Kitievs Room 1</b><br><b>Chair: K. Makris, E. Yamasaki</b> |                                                                                                                                                                                                                                                                                  |
| 15:00 - 15:15                                                                                               | <b>L. Hens, I. Matiatios, P. Stamatis, C. Kotampasi, S. Maipas, P.Nicolopoulou-Stamati</b><br>Health effects of climate changes: need for mitigating and adaptive measures                                                                                                       |
| 15:15 - 15:30                                                                                               | <b>C. Giannakopoulos, V. Psiloglou, G. Lemesios, C. Papadaskalopoulou, K.Moustakas, S. Pitsari, D. Malamis, K. Ioannou, M. Zachariou-Dodou, M. Petrakis, M. Loizidou</b><br>Future vulnerability assessment of public health to heat-related impacts of climate change in Cyprus |
| 15:30 - 15:45                                                                                               | <b>P. L. Staddon, T. Taylor, M. H. Depledge</b><br>Climate change impacts on health and wellbeing in Cornwall, South West England, 2050-2080: estimated health costs and proposed adaptation policies                                                                            |

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| 15:45 - 16:00                                                                                                       | <b>H. Sh. Ragimov, J. N. Akhmedova, U.R.Taghiyeva</b><br>Assessment of climate changes impact on health the population of Azerbaijan                                                                                                                                                                                                |
| 16:00 - 16:15                                                                                                       | <b>H. Tsangari, Z. Konsoula, S. Christou, K. E. Georgiou, K. Ioannou, T. Mesimeris, S. Kleanthous, S. Pashiardis, P. Pavlou, A. Paschalidou, P. Kassomenos, S. Vardoulakis, C.H. Heaviside, E.N. Yamasaki</b><br>The role of air pollution as a potential confounder of the association between temperature and mortality in Cyprus |
| 16:15 - 16:30                                                                                                       | <b>A. Michaelakis, A. Sotiropoulos, I. Spanos, P. Milonas, R.E.P. Sotiropoulou, E. Tagaris</b><br>LIFE CONOPS: Development & demonstration of management plans against -the climate change enhanced- invasive mosquitoes in S. Europe                                                                                               |
| 16:30 - 16:45                                                                                                       | <b>E. Bakogiannis, M. Siti</b><br>Athens in Crisis, sustainable mobility and climate change                                                                                                                                                                                                                                         |
| 16:45 - 17:00                                                                                                       | <b>M.J. Lubczynska, J. Lelieveld, P. Hadjinicolaou</b><br>Premature Heat-Related Mortality in Cyprus                                                                                                                                                                                                                                |
| 17:00 - 17:15                                                                                                       | <b>K.C. Makris, S. S. Andra</b><br>Identification and Impact Assessment of Emerging Water and Health Risk Factors in a Changing Climate                                                                                                                                                                                             |
| 17:15 - 17:30                                                                                                       | <b>E. Tachie-Obeng, E. Clarke</b><br>Changes in Climate and Likelihood of Aflatoxins Contamination as an Occupational Hazard in Maize Growing Regions of Ghana                                                                                                                                                                      |
| 17:30 - 17:45                                                                                                       | <b>J. Kyselý, E. Plavcová</b><br>Temporal changes in the human health effects of hot spells in central Europe: adaptation to climate change?                                                                                                                                                                                        |
| <b>SESSION VI: Climate change &amp; Agriculture Part 2, Elia VIP Room</b><br><b>Chair: A. Bruggeman, D. Fasoula</b> |                                                                                                                                                                                                                                                                                                                                     |
| 15:00 - 15:15                                                                                                       | <b>G. Trbić, V. Đurđević, D. Bajić, R. Cupać, G. Vukmir, T. Popov</b><br>Climate change and adaptation options in Bosnia and Herzegovina - case study in agriculture                                                                                                                                                                |
| 15:15 - 15:30                                                                                                       | <b>P. Polycarpou, C. Papaioannou, A. Papachatzis, A. Antoniou</b><br>Protected cultivation and adaptation to climate change                                                                                                                                                                                                         |
| 15:30 - 15:45                                                                                                       | <b>D.A. Fasoula, M. Omirou, I.M. Ioannides</b><br>Innovations in Plant Breeding as a smart and cost-effective solution for fast adaptation to climate change: studies with barley and cowpea                                                                                                                                        |

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| 15:45 - 16:00 | <b>A. Bruggeman, C. Camera, P. Hadjinicolaou, M.A. Lange, Z. Zomenia, A. Zissimos, S. Pashiardis, F. Tymvios, M. Markou, D. Fasoula, S. Gregoriou, A. Stylianou, T. Zachariadis, C. Zoumides, J.S. Noller</b><br>Sustainable agricultural production and water use in Cyprus under global change |
| 16:15 - 16:30 | <b>E. N. Sossidou, E. Tsiplakou, G. Zervas</b><br>Options for managing livestock production systems to adapt to climate change                                                                                                                                                                   |
| 16:30 - 16:45 | <b>I. Campos, A. Vizinho, G. Penha-Lopes</b><br>New People, Old Land: A Case Study of Local Adaptation to Draught                                                                                                                                                                                |
| 16:45 - 17:00 | <b>M. Eliades, A. Bruggeman, H. Djuma, K. Charalambous, E. Giannakis</b><br>Irrigation decision support systems for climate change adaptation                                                                                                                                                    |
| 17:00 - 17:15 | <b>M. Omirou, D. Fasoula, I.M. Ioannides</b><br>Tripartite symbiosis: A promising mitigation and an efficient adaptation strategy for less nitrogen depended agricultural systems                                                                                                                |
| 17:15 - 17:30 | <b>J. Rochard, I. Pierot</b><br>European Project Leonardo Da Vinci: E-VITICLIMATE                                                                                                                                                                                                                |
| 17:30 - 17:45 | Discussion - Conslusions                                                                                                                                                                                                                                                                         |

**Friday, 28 March 2014**

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| 08:00 - 9:00                                                                                                                      | Registration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 9:00 - 10:30                                                                                                                      | <p><b>Keynote Speakers, Zenon Kitievs Room 2 &amp; 3</b><br/> <b>Chair:</b> R. Bento Pais, G. Kremlis</p> <p><b>Theodoulos Mesimeris</b>, Department of Environment, Ministry of Agriculture, Natural Resources &amp; Environment of Cyprus, Adaptation and Climate Change: Prospects &amp; Challenges</p> <p><b>Dimosthenis Asimakopoulos</b>, National and Kapodistrian University of Athens, Climatic Changes Impacts on the Built Environment of the Mediterranean Region</p> <p><b>Michael Petrakis</b>, National Observatory of Athens, Climate Change Models: The Cyprus Case</p> <p><b>Michel Jarraud</b>, World Meteorological Organization, The Global Framework for Climate Services (GFCS)</p> <p><b>Elena Xoplaki</b>, Justus-Liebig-University Giessen, Germany, Climate variations in the eastern Mediterranean the lastmillennium; new evidence from proxy reconstructions and high resolution climate models</p> <p><b>Čedo Maksimović</b>, Imperial College London, Innovative spatial planning of urban areas for adaptation for climate changes – BGD (Blue Green Dream) approach</p> |
| 10:30 - 11:00                                                                                                                     | Coffee Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p><b>SESSION VII: Climate change &amp; Ecosystems, Zenon Kitievs Room 2 &amp; 3</b><br/> <b>Chair:</b> C. Kadis, A. Christou</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 11:00 - 11:15                                                                                                                     | <p><b>D. Sarris, N. Koutsias, A. Christopoulou, E. Angelonidi, P.Z. Fulé, M. Arianoutsou</b><br/> Ecological and climatic drivers for the fire regime in the Mediterranean under climatic change</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 11:15 - 11:30                                                                                                                     | <p><b>M. Peltoniemi, S. Sirkiä, S. Nevalainen, S. Neuvonen</b><br/> Pine sawflies and drought – from tested hypothesis to large scale vulnerability maps</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 11:30 - 11:45                                                                                                                     | <p><b>T. Kalliokoski, M. Peltoniemi, S. Fronzek, A. Mäkelä</b><br/> Projected climate change impact on primary production of forests in Finland</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 11:45 - 12:00                                                                                                                     | <p><b>V. Chrysopolitou, P. Drougas, D. Alifragkis, D. Avtzis, N. Avtzis, S. Diamandis, G. Poulis, K. Radoglou, I. Tsiripidis, A. Zerva, S. Dafis</b><br/> Adaptation of forest management to climate change in Greece: Adaptation and Management Measures</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 12:00 - 12:15                                                                                                                     | <p><b>A. Christou</b><br/> Change Impacts: Enhancing the Resilience of Cyprus Forest</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



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| 12:15 - 12:30                                                                                                          | <b>I. Mitsopoulos, G. Mallinis, A. Karali, C. Giannakopoulos, M. Arianoutsou</b><br>Mapping fire behaviour in a Mediterranean landscape under different future climate change scenarios                                                                             |
| 12:30 - 12:45                                                                                                          | <b>A. Karali, C. Giannakopoulos, A. Roussos, G. Lemesios</b><br>Assessing vulnerability of Greek forests to fires within the context of climate change                                                                                                              |
| 12:45 - 13:00                                                                                                          | <b>G. Lemesios, A. Karali, C. Papadaskalopoulou, S. Pitsari, K. Moustakas, D. Malamis, K. Ioannou, M. Zachariou-Dodou, C. Giannakopoulos, M. Petrakis, M. Loizidou</b><br>Future vulnerability assessment of forest fire sector to climate change impacts in Cyprus |
| 13:00 - 13:15                                                                                                          | <b>C. Aspe, M. Jacqu  , A. Gilles</b><br>Irrigation canals as tools for climate change adaptation and ichthyological biodiversity management. A case study of integrated development in Southern France                                                             |
| 13:15 - 13:30                                                                                                          | <b>C. Jimenez, A. Petrou, M. Evriviadou, A. Nikolaidis, L. Hadjioanou, M. A. Lange</b><br>Mortality of marine organisms (coralligenous habitats) associated to seawater temperature anomalies (Summer/Autumn 2012) in the Levantine Sea (Cyprus)                    |
| 13:30 - 13:45                                                                                                          | <b>Ch. Doulgeris, D. Papadimos, J. Kapsomenakis</b><br>Assessing the impact of climate change on the hydroperiod of two Natura 2000 sites in Northern Greece                                                                                                        |
| 13:45 - 14:00                                                                                                          | <b>P. Sicard, A. De Marco, E. Paoletti, L. Dalstein-Richier, C. Renou</b><br>Adapting Mediterranean forests to climate change and ozone                                                                                                                             |
| 14:00 - 14:45                                                                                                          | Lunch break                                                                                                                                                                                                                                                         |
| <b>SESSION VIII: Climate change and Mitigation, Zenon Kitievs Room 1</b><br><b>Chair: M. Jarraud, P. Hadjinicolaou</b> |                                                                                                                                                                                                                                                                     |
| 11:00 - 11:15                                                                                                          | <b>K. Anagnostopoulos, N. Kalogeropoulos, V. Costarelli, K. Abeliotis</b><br>Estimated carbon dioxide equivalents emissions in Greece, following different types of diet                                                                                            |
| 11:15 - 11:30                                                                                                          | <b>G. Reklitis, C. Koroneos, K. Moustakas, D. Malamis</b><br>The utilisation of agricultural and livestock waste and its impact on climate change                                                                                                                   |
| 11:30 - 11:45                                                                                                          | <b>E. Karaiskou, N. Gargoulas, I. Sarafidis</b><br>Developing Local Plans for Climate Change Mitigation by 2020                                                                                                                                                     |
| 11:45 - 12:00                                                                                                          | <b>K. Abeliotis, K. Lasaridi, V. Costarelli, K. Anagnostopoulos, C. Chroni</b><br>Food waste prevention as a tool for climate change mitigation: A case study from Greece                                                                                           |
| 12:00 - 12:15                                                                                                          | <b>A. Charalambous, S. Vlachos, O. Kyriacou</b><br>Cyprus Local Authorities towards a low carbon future                                                                                                                                                             |
| 12:15 - 12:30                                                                                                          | <b>G. Konstantzos, C. Papadaskalopoulou, D. Malamis, K. Moustakas, M. Loizidou</b><br>Development and application of the CARBONTOUR software tool for promoting carbon footprint offsetting measures for the tourism accommodation sector                           |

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| 12:30 - 12:45                                                                                                                  | <b>P. Drousiotis, I. Yiasemi</b><br>Cyprus Sustainable Tourism Initiative -CSTI- responding to climate change                                                                                                                                         |
| 12:45 - 13:00                                                                                                                  | <b>G.P. Panayiotou, A. Charalambous, S. Vlachos, M. Ioannidou, E. Theofanous</b><br>Carbon footprint of typical dwellings in Cyprus                                                                                                                   |
| 13:00 - 13:15                                                                                                                  | <b>K. Dimopoulos, P. Papasotiriou</b><br>Dipotamia - Zero Carbon Footprint model community - Designing a Green Village in Kastoria Region                                                                                                             |
| 13:15 - 13:30                                                                                                                  | <b>Q. Duroy, C. Marouli</b><br>Climate Change – Can We do Anything to Change it? Attitudes in Two Continents                                                                                                                                          |
| 13:30 - 13:45                                                                                                                  | <b>C. N. Phellas</b><br>Climate Change and Social Impact                                                                                                                                                                                              |
| 13:45 - 14:00                                                                                                                  | <b>L. Rajhi</b><br>Gender and Climate Change, the realities on the link                                                                                                                                                                               |
| <b>SESSION IX: Climate change and Water resources Part 1, Elia VIP Room</b><br><b>Chair: C. Maksimovic, M. Zachariou-Dodou</b> |                                                                                                                                                                                                                                                       |
| 11:00 - 11:15                                                                                                                  | <b>P-M. Stathatou, E. Kampragou, H. Grigoropoulou, D. Assimacopoulos</b><br>Vulnerability of water systems: A comprehensive framework for its assessment and identification of adaptation strategies                                                  |
| 11:15 - 11:30                                                                                                                  | <b>O. Mile, A. Bankovics</b><br>Restoration of the water cycle and natural waterways of Pannonic sodic wetlands in Hungary                                                                                                                            |
| 11:30 - 11:45                                                                                                                  | <b>E. Tziritis, V. Pisinaras, R. Kunkel, A. Panagopoulos, G. Arampatzis, F. Wendland</b><br>Assessing the potential effects of climate change in the hydrologic budget of a large Mediterranean basin: The case of River Pinios basin, central Greece |
| 11:45 - 12:00                                                                                                                  | <b>A. Keessen</b><br>Embedding Adaptive Management into the Legal Framework: Examples from the Netherlands                                                                                                                                            |
| 12:00 - 12:15                                                                                                                  | <b>T. van der Schriek, C. Giannakopoulos</b><br>Informing regional hydrological impact projections by establishing the influence of climate, water extraction and tectonics on the water level of the Prespa Lakes (N Greece)                         |
| 12:15 - 12:30                                                                                                                  | <b>D. Rahimi</b><br>Analysis of Climate Drought and its Impact on Water Resources in the Zayanderood River Basin                                                                                                                                      |
| 12:30 - 12:45                                                                                                                  | <b>D. Andreopoulos, D. Damigos, F. Comiti, C. Fischer</b><br>Monetizing the impacts of climate change on river uses towards effective adaptation strategies                                                                                           |

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| 12:45 - 13:00                                                                                                                        | <b>P. Thrasivoulou, K. Patsalosavvis, A. Zafirakou</b><br>Water supply management in Cyprus under climate uncertainty                                                                                                                      |
| 13:00 - 13:15                                                                                                                        | <b>C. Papadaskalopoulou, K. Moustakas, E. Katsou, D. Malamis, M. Zachariou-Dodou</b><br>Review and assessment of the adaptive capacity of the water sector in Cyprus against climate change impacts                                        |
| 13:15 - 13:30                                                                                                                        | <b>P. Normatov</b><br>Modern adaptation approach of water consuming branches to climate changes and degradation of glaciers                                                                                                                |
| 13:30 - 13:45                                                                                                                        | <b>C. Zoumides, A. Bruggeman, T. Zachariadis</b><br>Can the water footprint contribute to climate change adaptation strategies?                                                                                                            |
| 13:45 - 14:00                                                                                                                        | <b>G. Papageorgiou, K. Antoniou, A. Papatheodoulou</b><br>Advance aquatic tools for sustainable pollution management in river basins of Cyprus                                                                                             |
| <b>SESSION X: Climate change &amp; Energy, Zenon Kitievs Room 2 &amp; 3</b><br><b>Chair: C. Costa, M. Valiantis, A. Charalambous</b> |                                                                                                                                                                                                                                            |
| 14:45 - 15:00                                                                                                                        | <b>V. Psiloglou, G. Lemesios, D. Xevgenos, M. Zachariou-Dodou, K. Moustakas, K. Ioannou, C. Giannakopoulos, M. Petrakis, M. Loizidou</b><br>Future vulnerability assessment of energy demand to climate change impacts in Cyprus           |
| 15:00 - 15:15                                                                                                                        | <b>M. Farajzadeh, M. Rahmanian</b><br>Analysis of temperature changes effects on electricity consumption in Fars province                                                                                                                  |
| 15:15 - 15:30                                                                                                                        | <b>M.C. Georgiou, A.M. Bonanos, J.G. Georgiadis</b><br>Water scarcity as a climate change impact: Evaluation of a Single Effect Distillation unit powered by Concentrated Solar Power for desalinating seawater as an adaptation technique |
| 15:30 - 15:45                                                                                                                        | <b>S. Henke, M. Paustian, L. Theuvsen</b><br>Development of an Advanced Method for Conducting a Social Life Cycle Assessment                                                                                                               |
| 15:45 - 16:00                                                                                                                        | <b>M. A. Lange, P. Hadjinicolaou, M. Santamouris, G. Zittis</b><br>Increased Electricity Demand for Space Cooling under Climate Change Condition in the Eastern Mediterranean and Adaptation Measures                                      |
| 16:00 - 16:15                                                                                                                        | <b>K. T. Papakostas, P. Zagana-Papavasileiou, T. Mavromatis</b><br>Analysis of 3 decades temperature data for Athens and Thessaloniki – Greece Impact of temperature changes on energy consumption for heating and cooling of buildings    |
| 16:15 - 16:30                                                                                                                        | <b>M. Valiantis</b><br>The Role of Natural Gas in Reducing the Greenhouse Gas Emissions from Transportation                                                                                                                                |
| 16:30 - 16:45                                                                                                                        | <b>M. Lambrinos</b><br>The Tram in Lefkosia                                                                                                                                                                                                |

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| 16:45 - 17:00                                                                                                         | <b>C. Koroneos, E. Nanaki, D. Xevgenos, K. Moustakas, D. Malamis</b><br>Review of desalination systems using renewable energy                                                                                                                                       |
| 17:00 - 17:15                                                                                                         | Discussion-Conclusions                                                                                                                                                                                                                                              |
| <b>SESSION XI: Climate change &amp; Adaptation Part 2, Zenon Kitievs Room 1</b><br><b>Chair: E. Xoplaki, M. Lange</b> |                                                                                                                                                                                                                                                                     |
| 14:45 - 15:00                                                                                                         | <b>J. O. Adegoke, C. Ibe, A. Araba</b><br>A New Framework for Building Resilience in Nigeria's Agriculture Value-Chains through Climate Smart Policies, Adaptation Programs and Actions                                                                             |
| 15:00 - 15:15                                                                                                         | <b>S. Mavrogenis, I. Kelman, J. Mercer, T. Kurvits</b><br>Comparing tools and methodologies for climate change adaptation in Small Island Developing States (SIDS)                                                                                                  |
| 15:15 - 15:30                                                                                                         | <b>C. Papadaskalopoulou, D. Xevgenos, M. Kasidoni, V. Panaretou, K. Moustakas, M. Zachariou-Dodou, M. Loizidou</b><br>Review of the current EU framework on adaptation to climate change and assessment of relative adaptation measures undertaken in Cyprus so far |
| 15:30 - 15:45                                                                                                         | <b>N. Paris</b><br>Climate change in Cyprus: Risk assessment procedure                                                                                                                                                                                              |
| 15:45 - 16:00                                                                                                         | <b>P. Pelizzaro, S. Drigo, V. Barbi</b><br>Public Private Partnerships for Resilient Communities                                                                                                                                                                    |
| 16:00 - 16:15                                                                                                         | <b>C. Camera, A. Bruggeman, P. Hadjinicolaou, S. Pashiardis, M.A. Lange</b><br>Creating daily high resolution meteorological datasets for climate change adaption                                                                                                   |
| 16:15 - 16:30                                                                                                         | <b>N. Tzaberis, S. Xenitidou, A. Mogias</b><br>The contribution of Education for Sustainable Development in addressing ethical issues of climate change                                                                                                             |
| 16:30 - 16:45                                                                                                         | <b>I. Ferdinand, T. Haynes, M. Richards</b><br>Assessing the vulnerability and adaptive capacity of communities to hazards and climate Change in SIDS                                                                                                               |
| 16:45 - 17:00                                                                                                         | <b>E. H. M. Ahmed</b><br>Adaptation Planning Role for Sustainable Development                                                                                                                                                                                       |
| 17:00 - 17:15                                                                                                         | <b>R. Hanmbock</b><br>Ecosystem Services and adaptation for a climate security in Western Africa                                                                                                                                                                    |



## SESSION XII: Climate change & Water resources Part 2, Elia VIP Room

Chair: D. Hadjimitsis, K. Kyrou

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| 14:45 - 15:00 | <b>H. Djuma, A. Bruggeman, M. Eliades, M. A. Lange</b><br>Non-conventional water resources research in climate change hotspot Middle East                                                                        |
| 15:00 - 15:15 | <b>J. A. Bahrawi, M. Elhag</b><br>Potential Rainwater Harvesting Improvement Using Remote Sensing Application in Southern West Region of KSA                                                                     |
| 15:15 - 15:30 | <b>K. Aristeidou</b><br>Climate change adaptation to hydrologic extremes (Floods and Droughts) in Cyprus                                                                                                         |
| 15:30 - 15:45 | <b>K. Valta, E. Orli, E. Angeli, K. Moustakas, D. Malamis, K.-J. Haralambous</b><br>Climate Change vulnerability of the food industry regarding reduced water availability                                       |
| 15:45 - 16:00 | <b>N. Frison, A. Chiumenti, E. Katsou, S. Malamis, D. Bolzonella, F. Fatone</b><br>Greenhouse gas emissions in short-cut via nitrite nutrient removal from anaerobic effluents in wastewater treatment plants    |
| 16:00 - 16:15 | <b>E. Garcia-Quismondo, C. Santos, J. Palma, M. Anderson</b><br>On the challenge of developing Waste Water Treatment Processes: Capacitive Deionization                                                          |
| 16:15 - 16:30 | <b>S. Mahgoub, P. Samaras, H. Abdelbasit, H. Abdelfattah, S. Hamed</b><br>Microbiological and Physico-chemical Characteristics of Municipal Wastewater at Treatment Plants, province Sharkia, Egypt (Case study) |
| 16:30 - 16:45 | <b>A.K. Tolkou, A.I. Zouboulis</b><br>Effect of Climate Change in WWTPs and especially in MBRs Infrastructures used for Wastewater Treatment                                                                     |
| 16:45 - 17:00 | <b>M. N. Rashed</b><br>The implications of climate change on water quality and ecosystem of Nasser Lake, Egypt                                                                                                   |
| 17:00 - 17:15 | Discussion-Conclusions                                                                                                                                                                                           |