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LifeWatch ERIC Thematic Service Workshop

Ecological Responses to Climate Change: Implications on Human Well-being

21 February



14.00 - 14.15

Welcome and Introduction to LifeWatch Thematic Core Service (TCS)
by Antonello Provenzale (CNR) and Alberto Basset (University of Salento)



14:15 - 14:45

Individual Metabolic Responses to Climate Warming Depend on Biological and Ecological Context
by Doug S. Glazier (Juniata College, USA; Online)



14:45 - 15:00

Discussion



15:00 - 15:15

Using Artificial Intelligence for estimating the Responses of coastal lagoons to Climate Change
by Piero Lionello (University of Salento; In-Person)



15:15 - 15:30

Energetic and Behavioral Responses of Aquatic Ectotherms to Projected Climate Change
by Milad Shokri (University of Salento; In-Person)



15:30 - 15:45

Climate Change Effects on Animal Presence in the Massaciuccoli Lake Basin
by Gianpaolo Coro (CNR; Online) e/o Pasquale Bove (CNR; In-Person)



15:45 - 16:00

Empowering Environmental Science and Climate Change Study with DataLabs: LifeWatch's Collaborative Coding Platform for Biodiversity and Ecosystem Research
by Francesco De Leo (CNR, In-Person)



21 February | 14.00 - 19.00
22 February | 09.30 - 13.00



Sala Conferenze - Rettorato
Piazza Tancredi, 1 - Lecce, Italy

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16:00 – 16:15

Discussion



16:15 – 16:45

Coffee Break



16:45 – 17:00

Ecological Resilience of Mediterranean Forests to Climate Change and Wildfires
by Mara Baudena (CNR; Online)



17:00 – 17:15

Cellular Automata Models for Wildfire-Vegetation Interaction
by Paolo Fiorucci (Cima Research Foundation; In-Person)



17:15 – 17:30

A Vegetation Simulation Platform in a Global Change Context
by Alessio Collalti (CNR; Online)



17:30 – 17:45

Discussion



17:45 – 18:00

Identifying the environmental drivers of carbon fluxes - a step to assess climate change impacts on ecosystems
by Marta Magnani (CNR; online)



18:00 – 18:15

Modelling of Soil Organic Carbon dynamics in wetlands
by Carmela Marangi (CNR; In-Person)



18:15 – 18:30

Monitoring aquatic primary producers response to Climate Change: The Phytoplankton VRE
by Jessica Titocci (CNR; In-Person)



18:30 – 19:00

Discussion and Conclusion



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22 February



09:30 – 10:00

Wrap-up

by Alberto Basset and Antonello Provenzale



10:00 – 11:00

- **Topic 1**

What is Already in Place in Terms of Services (Within and Outside of LifeWatch ERIC)?

- **Topic 2**

Community's Needs and Requirements: How Can We Identify These?



11:00 – 11:30

Coffee break



11:30 – 12:30

Organising the Ecological responses to climate change working group

- **Topic 3**

Launch and lines of operation

- **Topic 4**

Collaborations and Project Research Initiatives



12:30 – 13:00

Closing Remarks and Future Directions

Summarise key insights from the workshop and discuss potential avenues for future collaborations and research initiatives.