



**Fist International Digital Green Event**  
**April 17-21, 2023, Aula Magna**



# FIRST INTERNATIONAL DIGITAL GREEN EVENT

**April 17-21, 2023**

**Aula Magna “Beniamino Andreatta” Centro Congressi  
 University of Calabria-Italy**

## Monday April 17, 2023

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| <b>Monday April 17, 2023</b>  |   |
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| <b>08:45-9:15</b>   | <b>Registration</b>   |
|   |   |
| <b>‘Opening Cerimony’</b><br><i>Chair: Prof. Raffaella Mancuso</i>                            |   |
| <b>09:15-9:30</b>   | <b>Welcome and Institutional greetings</b><br><b>Prof. Patrizia Piro</b> (Pro-Rector University of Calabria)<br><b>Prof. Luigi Di Renzo</b> (Rector’s delegate for Erasmus program)   |
| <b>09:30-10:15</b>  | <b>Digital Green Partners Presentation</b><br><b>Prof. Arif Kivrak</b> , Esogu University (Turkey)<br><b>Dr. Raziye Uslu</b> , Torbalı Anadolu Lisesi (Turkey)<br><b>Dr. Verena Budek</b> and <b>Dr. Laura Scharnagl</b> , Staatliche Realschule Selb (Germany)<br><b>Základní škola Martina Luthera</b> (Czech Republic) |
|   |   |
| <b>“Against Climate Change”</b><br><b>Session I</b><br><i>Chair: Prof. Massimo Migliori</i>   |   |
| <b>10:15-10:45</b>  | <b>Prof. Domenico Gargano</b> (DiBEST)<br><i>Safeguarding plant diversity in an era of Global Change: investigating the present...improving the future</i>  |
| <b>10:45-11:15</b>  | <b>Prof. Emilio Sperone</b> (DiBEST)<br><i>Marine vertebrates as sentinels of the effects of climate change</i>   |
|   |   |
| <b>11:15-11:35</b>  | <b>Coffe Break</b>  |
|   |   |
| <b>“Against Climate Change”</b><br><b>Session II</b><br><i>Chair: Prof. Nicola Sorrentino</i> |   |
| <b>11:35-12:00</b>  | <b>Prof. Mauro La Russa</b> (DiBEST)<br><i>Climate change and cultural heritage: state of art and new challenges</i>  |
| <b>12:00-12:15</b>  | <b>Dr. Alessandra Criscuoli</b> (ITM-CNR)<br><i>The World of Membranes and Water</i>  |
| <b>12:15-12:30</b>  | <b>Dr. Patrizio Russo</b> (DipCTC)<br><i>Luzzi: virtuous town in urban waste recovery</i>   |
| <b>12:30-13:00</b>  | <b>Prof. Alfonso Senatore</b> (DiAM)<br><i>How to deal with a climate change hotspot: forecasting the hydrological impact of global warming in the central Mediterranean. Part 1: the big picture</i>   |
|   |   |
| <b>13:00-15:00</b>  | <b>Free Lunch</b>   |



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|   |  |
| <b>“Against Climate Change”</b><br><b>Session III</b><br><i>Chair: Dr. Enrica Fontananova</i> |  |
| <b>15:00-15:30</b>  | <b>Dr. Luca Furnari (DiAM)</b><br><i>How to deal with a climate change hotspot: forecasting the hydrological impact of global warming in the central Mediterranean. Part 2: too much water</i>       |
| <b>15:30-16:00</b>  | <b>Dr. Jessica Castagna (DiAM)</b><br><i>How to deal with a climate change hotspot: forecasting the hydrological impact of global warming in the central Mediterranean. Part 3: too little water</i> |
| <b>16:00-16:45</b>  | Visit to the CESMMA laboratories   |
| <b>16:45-17:30</b>  | Visit to Paleontological Museum (SIMU)   |
| <b>17:30-20:00</b>  | <b>Free Time</b>   |
| <b>20:00</b>  | <b>Welcome Party</b>   |



**Tuesday April 18, 2023**

**“Chemistry for Future”**

**Session I**

*Chair: Prof. Raffaella Mancuso*

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|--------------------|--|
| <b>09:30-10:00</b> | <b>Prof. Bartolo Gabriele</b> (DipCTC)<br><i>Carbon dioxide: Just a waste or (also) a resource?</i>              |
| <b>10:00-10:30</b> | <b>Prof. Lucia Veltri</b> (DipCTC)<br><i>An overview on homogenous catalysis: from CO<sub>2</sub> to C</i>       |
| <b>10:30-11:00</b> | <b>Dr. Francesco Galiano</b> (ITM-CNR)<br><i>Membranes as forefront technology for water treatment processes</i> |

**11:00-11:20**    **Coffe Break**

**“Chemistry for Future”**

**Session II**

*Chair: Dr. Alessandra Criscuoli*

|                    |   |
|--------------------|---|
| <b>11:20-11:40</b> | <b>Prof Arif Krivak</b> (Esogu University)<br><i>Synthesis of new organic molecules and their clean energy applications</i> |
| <b>11:40-12:00</b> | <b>Prof. Hilal Demir KIVRAK</b> (Esogu University)<br><i>Hydrogen fuel cell anode catalysts</i>                             |

**12:15**    **Departure for Sila National Park**

|                    |   |
|--------------------|---|
| <b>13:30-13:45</b> | <b>Institutional greetings in Sila National Park</b><br>Dr. Salvatore Monaco (Mayor of Spezzano della Sila), Dr. Francesco Curcio (President of Sila National Park), Dr. De Vuono Francesco (Director of GAL SILA). |
| <b>13:45-15:00</b> | <b>Welcome cocktail with typical Sila food</b>  |
| <b>15:00-16:30</b> | Guided tour in Cupone   |
| <b>17:00-18:30</b> | Guided tour in Sila Giants (Biogenetic Nature Reserve)  |
| <b>18:30</b>       | <b>Departure for University of Calabria</b>   |



## Wednesday April 19, 2023

### “Energy Day”

#### Session I

*Chair: Dr. Enrico Catizzone*

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|--------------------|--|
| <b>09:30-10:00</b> | <b>Prof. Nicola Sorrentino</b> (DiMEG)<br><i>Renewable energy communities: a model for energy transition</i>                                   |
| <b>10:00-10:30</b> | <b>Dr. Pasquale Vizza</b> (DiMEG)<br><i>Pilots of Renewables energy communities at University of Calabria</i>                                  |
| <b>10:30-11:00</b> | <b>Dr. Giuseppe Barone</b> and <b>Dr. S. Mendicino</b> (CRETA Energie Speciali)<br><i>HW and SW solutions for Renewable Energy Communities</i> |

**11:00-11:30**    **Coffe Break**

### “Energy Day”

#### Session II

*Chair: Dr. Franceso Galiano*

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|--------------------|--|
| <b>11:30-12:00</b> | <b>Dr. Enrica Fontananova</b> (ITM-CNR)<br><i>Membranes for Sustainable Energy</i>             |
| <b>12:00-12:30</b> | <b>Dr. Adolfo Iulianelli</b> (ITM-CNR)<br><i>The Hydrogen age: Challenges and Perspectives</i> |
| <b>12:30-13:00</b> | Visit to LISOC Laboratory  |

**13:00-15:00**    **Free Lunch**

**15:00-16:00**    Visit to LASEER Laboratory

**16:15**            **Departure for Cosenza**

**16:35-19:00**    **Old Cosenza Tour (by Restorer Dr. Maria Antonietta Zicarelli)**



| <b>Thursday April 20, 2023</b>            |  |
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| <b>“Waste as Resource”<br/>Session I</b>  |  |
| <i>Chair: Prof. Bartolo Gabriele</i>      |  |
| <b>09:30-10:00</b>                        | <b>Prof. Massimo Migliori</b> (DiAM)<br><i>Urban Waste recovery, recycling and valorization: technological overview</i>  |
| <b>10:00-10:30</b>                        | <b>Dr. Emanuele Giglio</b> (DiAM)<br><i>Synthetic methane production through the exploitation of renewable energy</i>  |
| <b>10:30-11:00</b>                        | <b>Dr. Alessia Marino</b> (DiAM)<br><i>Pyrolysis of real plastic wastes: halogens management and products optimization”</i>  |
| <b>11:00-11:30</b>                        | <b>Coffe Break</b>   |
| <b>“Waste as Resource”<br/>Session II</b> |  |
| <i>Chair: Dr. Adolfo Iulianelli</i>       |  |
| <b>11:30-12:00</b>                        | <b>Dr. Enrico Catizzone</b> (DiAM)<br><i>The role of biomasses in Ecological Transition</i>  |
| <b>12:00-12:30</b>                        | <b>Dott. Alberto Figoli</b> (ITM-CNR)<br><i>Membrane Operations in the Circular Economy</i>  |
| <b>12:30-13:00</b>                        | <b>Dr. Miriam Sellaro</b> (Calabra Maceri & Servizi S.p.A.)<br><i>Recycling of separately collected food waste through industrial anaerobic digestion and composting in the circular bioeconomy strategy</i> |
| <b>13:00-14:30</b>                        | <b>Free Lunch</b>  |
| <b>14:30-15:30</b>                        | <b>Partner meeting</b>   |
| <b>16:00-18:30</b>                        | Calabra Maceri & Servizi: Waste collection and valorization plant Tour   |
| <b>18:30-20:00</b>                        | Free time  |
| <b>16:35-19:00</b>                        | <b>Social Dinner</b>   |



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| <b>Friday April 21, 2023</b>  |  |
| <b>“UNICAL for AGENDA 2030”<br/>Session I</b><br><i>Chair: Prof. Massimo Migliori</i> |  |
| <b>09:30-10:00</b>  | <b>Prof. Raffaele Zinno</b> (DiAM)<br><i>2030 Agenda: Actions and Network</i>  |
| <b>10:00-10:30</b>  | <b>Prof. Paola Cannavò</b> (DiAM)<br><i>2030 Agenda: Education and Dissemination</i>   |
| <b>10:30-11:00</b>  | <b>Dr. Massimo Zupi</b> (DiAM)<br><i>2030 Agenda: Monitoring and Indicators</i>  |
| <b>11:00-11:30</b>  | <b>Coffe Break</b>   |
| <b>“UNICAL for AGENDA 2030”<br/>Session II</b><br><i>Chair: Dr. Nicola Sorrentino</i> |  |
| <b>11:30-12:00</b>  | <b>Prof Vittorio Ferraro</b> (Energy Manager Unical)<br><i>Unical’s energy and environmental sustainability policies for the energy transition and related use cases</i> |
| <b>12:00-13:30</b>  | <b>Green energy walk in UniCal</b>   |
| <b>13:30-15:00</b>  | <b>Free Lunch</b>  |
| <b>15:00-17:00</b>  | <b>Visit to Orto Botanico</b>  |
| <b>17:00</b>  | <b>Closing remarks</b>   |