

# FIRST INTERNATIONAL DIGITAL GREEN EVENT

April 17-21, 2023

Aula Magna "Beniamino Andreatta" Centro Congressi- University of Calabria  
University of Calabria-Italy

**Monday April 17, 2023**

## 'Opening Cerimony'

*Chair: Prof. Raffaella Mancuso*

<b>9:00-9:30</b>	<b>Welcome and Institutional greetings</b> <b>Prof. Nicola Leone</b> Prof. P. Piro Prof. Luigi Di Renzo
<b>9:30-10:15</b>	<b>Digital Green Partner Presentation</b> Esogu University (Turkey) Torbalı Anadolu Lisesi (Turkey) Staatliche Realschule Selb (Germany) Základní škola Martina Luthera (Rep. Ceca)
<b>"Against Climate Change"</b> <b>Session I</b> <i>Chair: Prof. Massimo Migliori</i>	
<b>10:15-10:45</b>	<b>Prof. Domenico Gargano (DiBEST)</b> <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 (DiBEST)</b> <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> <b>Session II</b> <i>Chair: Prof. Nicola Sorrentino</i>	
<b>11:35-12:00</b>	<b>Prof. Mauro La Russa (DiBEST)</b> <i>Climate change and cultural heritage: state of art and new challenges</i>
<b>12:00-12:15</b>	<b>Dr. Alessandra Criscuoli (ITM-CNR)</b> <i>The World of Membranes and Water</i>
<b>12:15-12:30</b>	<b>Dr. Patrizio Russo (DipCTC)</b> <i>Luzzi: virtuous town in urban waste recovery</i>
<b>12:30-13:00</b>	<b>Prof. Alfonso Senatore (DiAM)</b> <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>
<b>“Against Climate Change” Session III Chair: Prof. Domenico Gargano</b>	
<b>15:00-15:30</b>	<b>Dr. Luca Furnari (DiAM)</b> <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> <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 CESSMA 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>

<b>Tuesday April 18, 2023</b>	
<b>“Chemistry for Future” Session I Chair: Prof. Raffaella Mancuso</b>	
<b>09:30-10:00</b>	<b>Prof. Bartolo Gabriele (DipCTC)</b> <i>Carbon dioxide: Just a waste or (also) a resource</i>
<b>10:00-10:30</b>	<b>Prof. Lucia Veltri (DipCTC)</b> <i>An overview on homogenous catalysis: from CO<sub>2</sub> to C</i>
<b>10:30-11:00</b>	<b>Dott. Francesco Galiano (ITM-CNR)</b> <i>Membranes as forefront technology for water treatment processes</i>
<b>11:00-11:20</b>	<b>Coffe Break</b>
<b>“Chemistry for Future” Session II Chair: Dr. Alessandra Criscuoli</b>	
<b>11:20-11:40</b>	<b>Prof Arif Krivak (Esogu University)</b> <i>Synthesis of new organic molecules and their clean energy applications</i>
<b>11:40-12:00</b>	<b>Prof. Hilal Demir KIVRAK (Esogu University)</b> <i>Hydrogen fuel cell anode catalysts</i>
<b>12:15</b>	<b>Departure for Sila National Park</b>
<b>13:30-13:45</b>	<b>Institutional greetings in Sila National Park</b> 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>	Welcome cocktail with typical Sila food
<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>	Departure for University of Calabria

## Wednesday April 19, 2023

### "Energy Day"

#### Session I

Chair: Dr. Enrico Catizzone

<b>09:30-10:00</b>	<b>Prof. Nicola Sorrentino</b> (DiMEG) <i>Renewable energy communities: a model for energy transition</i>
<b>10:00-10:30</b>	<b>Dr. Pasquale Vizza</b> (DiMEG) <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) <i>HW and SW solutions for Renewable Energy Communities</i>
<b>11:00-11:30</b>	<b>Coffe Break</b>
<h3>"Energy Day"</h3> <h4>Session II</h4> <p>Chair: Dr. Francesco Galiano</p>	
<b>11:30-12:00</b>	<b>Dr. Enrica Fontananova</b> (ITM-CNR) <i>Membranes for Sustainable Energy</i>
<b>12:00-12:30</b>	<b>Dr. Adolfo Iulianelli</b> (ITM-CNR) <i>The Hydrogen age: Challenges and Perspectives</i>
<b>12:30-13:00</b>	Visit to LISOC Laboratory
<b>13:00-15:00</b>	<b>Free Lunch</b>
<b>15:00-16:00</b>	Visit to LASEER Laboratory
<b>16:15</b>	Departure for Cosenza
<b>16:35-19:00</b>	<b>Old Cosenza Tour</b>

## Thursday April 20, 2023

Aula Magna "Beniamino Andreatta" Centro Congressi- University of Calabria

### "Waste as Resource"

#### Session I

Chair: Prof. Bartolo Gabriele

<b>09:30-10:00</b>	<b>Prof. Massimo Migliori</b> (DiAM) <i>Urban Waste recovery, recycling and valorization: technological overview</i>
<b>10:00-10:30</b>	<b>Dr. Emanuele Giglio</b> (DiAM) <i>Synthetic methane production through the exploitation of renewable energy</i>
<b>10:30-11:00</b>	<b>Dr. Alessia Marino</b> (DiAM) <i>Pyrolysis of real plastic wastes: halogens management and products optimization"</i>
<b>11:00-11:30</b>	<b>Coffe Break</b>
<h3>"Waste as Resource"</h3> <h4>Session II</h4> <p>Chair: Dr. Adolfo Iulianelli</p>	
<b>11:30-12:00</b>	<b>Dr. Enrico Catizzone</b> (DiAM) <i>The role of biomasses in Ecological Transition</i>
<b>12:00-12:30</b>	<b>Dott. Alberto Figoli</b> (ITM-CNR) <i>Membrane Operations in the Circular Economy</i>
<b>12:30-13:00</b>	<b>Dr. Miriam Selleraro</b> (Calabra Maceri & Servizi S.p.A.) <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>

## Friday April 21, 2023

Aula Magna "Beniamino Andreatta" Centro Congressi- University of Calabria

### "UNICAL for AGENDA 2030"

#### Session I

*Chair: Prof. Massimo Migliori*

<b>09:30-10:00</b>	<b>S21: Prof. Raffaele Zinno</b> (DiAM) <i>2030 Agenda: Actions and Network</i>
<b>10:00-10:30</b>	<b>S22: Prof. Paola Cannavò</b> (DiAM) <i>2030 Agenda: Education and Dissemination</i>
<b>10:30-11:00</b>	<b>S23: Dr. Massimo Zupi</b> (DiAM) <i>2030 Agenda: Monitoring and Indicators</i>
<b>11:00-11:30</b>	<b>Coffe Break</b>
<b>"UNICAL for AGENDA 2030"</b> <b>Session II</b> <i>Chair: Dr. Nicola Sorrentino</i>	
<b>11:30-12:00</b>	<b>S24: Prof Vittorio Ferraro</b> (Energy Manager Unical) <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>