



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

# Sustainability in a Global Perspective A Trilateral Forum

SALA VIII CENTENARIO  
RECTORATE, UNIVERSITY OF BOLOGNA  
VIA ZAMBONI 33  
2-3 MARCH 2026

MONDAY, 2 MARCH 2026

09:15 – 09:45

Welcome Coffee

09:45 – 10:00

Opening Remarks

## PANEL A – ENVIRONMENTAL SUSTAINABILITY, ECOSYSTEMS AND CLIMATE

10:00 – 10:20

Paolo D’Odorico – University of California, Berkeley, Department Civil and Environmental Engineering  
*Linking water sustainability to social outcomes*

10:20 – 10:40

David Feldman – University of California, UC Irvine, Department of Urban Planning and Public Policy, Water UCI  
*Sustainably Governing Freshwater in a Thirsty World*

10:40 – 11:00

Paola Galletti – University of Bologna, Department of Chemistry “G. Ciamician”  
*Advancing Sustainable Chemical Processes and Materials to Reduce the Carbon Footprint*

11:00 – 11:45

Discussion

11:45 – 12:05

Taro Uchida – University of Tsukuba, Institute of Life and Environmental Sciences  
*Landslides in a Changing Climate: Future Perspectives from Experiences*

12:05 – 12:25

Diego Marrazza – University of Bologna, Department of Physics  
*From Biomass to Climate Action: Integrated Modelling and Applied Physics for Carbon Removal*

12:25 – 13:00

Discussion

13:00 – 14:30

Lunch Break



## PANEL B – ENERGY, TECHNOLOGY AND SUSTAINABLE GOALS

14:30 – 14:50

Laura Schaefer – Rice University, Department of Mechanical Engineering  
*A Brighter Future: Improving Environmental and Societal Sustainability Through Solar Thermal*

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14:50 – 15:10

Masahiko Gemma – Waseda University, Faculty of Social Sciences,  
Vice President for International Affairs, and International Fundraising  
*Contributions to SDG 7 by Waseda University*

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15:10 – 15:30

Alberto Bellini – University of Bologna, Department of Electrical Engineering  
*Artificial Intelligence and Sustainability: Challenge or Opportunity?*

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15:30 – 15:50

Valerio Cozzani – University of Bologna, Department of Civil, Chemical,  
Environmental and Materials Engineering  
*Sustainability and Safety in Energy Transition*

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15:50 – 16:45

Discussion

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16:45 – 17:15

Coffee Break

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## PANEL C – SUSTAINABILITY, HEALTH AND WELL-BEING

17:15 – 17:35

Nobuhiro Hayashi – Institute of Science Tokyo, School of Life Science and  
Technology  
*Promoting Future Well-Being through Smart Life Science Reducing Isolation*

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17:35 – 17:55

Allan Just – Brown University, School of Public Health  
*Exposure model matters: heat, air pollution, and human health*

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17:55 – 18:15

Alessandra Mistral De Pascali – University of Bologna, Department of Medical  
and Surgical Sciences  
*Building sustainable research ecosystems: genomic West Nile virus  
surveillance across vectors, animals, and humans*

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18:15 – 18:35

Giovanni Dinelli – University of Bologna, Department of Agricultural and Food  
Sciences  
*Food Systems at the Core of Global Sustainability*

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**TUESDAY, 3 MARCH 2026**

**PANEL D – CULTURAL HERITAGE, MIGRATIONS AND SUSTAINABLE URBAN  
TRANSFORMATIONS**

**09:00 – 09:20**

Elizabeth Langridge Noti – UC San Diego, Director, Global Research and Academic Programs  
*A View into Sustainability-Oriented Research at UC San Diego*

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**09:20 – 09:40**

Alessandro Bozzetti – University of Bologna, Department of Political and Social Sciences  
*Sustainable Cities for All: Intersectional Perspectives*

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**09:40 – 10:00**

Claudio Coletta – University of Bologna, Department of Philosophy  
*Transition timescapes: from global sustainability to urban futures*

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**10:00 – 10:45**

Discussion

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**10:45 – 11:15**

Coffee Break

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**11:15 – 11:35**

Satoshi Tanaka – Ritsumeikan University, College of Information Science and Engineering  
*Understanding Tangible Cultural Heritage*

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**11:35 – 11:55**

Mariangela Vandini – University of Bologna, Department of Cultural Heritage  
*From Risk Awareness to Heritage Resilience: Integrated Strategies for Sustainable Communities*

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**11:55 – 12:30**

Discussion

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**12:30–13:30**

Lunch Break

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## PANEL E – HUMAN BEHAVIOUR, FINANCE MECHANISMS AND ECONOMIC SUSTAINABILITY

13:30 – 13:50

Keith Taylor – University of California, UC Davis, Department of Human Ecology  
*Beyond Markets & States: The Need for a Civil Society Research & Development Initiative*

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13:50 – 14:10

Selena Aureli – University of Bologna, Department of Management  
*Bridging Circular Economy transition and impact investing*

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14:10 – 14:30

Silvia Romagnoli – University of Bologna, Department of Statistical Sciences  
*Sustainability metrics, ambiguity and the emerging role of natural capital in sovereign climate risk*

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14:30 – 14:50

Alessandro Tavoni – University of Bologna, Department of Economics  
*Sustainable behaviour changes for a greener future*

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14:50 – 15:50

Discussion

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15:50 – 16:15

Coffee Break

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## PHD PRESENTATIONS AND CLOSING SESSION

16:15 – 17:00

PhD Research Presentations – Round 1

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16:15 – 16:30

Maria Tremuli, University of Bologna, PhD Student Department of Economics  
*Designing the Green Transition: Institutions, Infrastructure, and Diffusion*

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16:30 – 16:45

Fatimah Anwar Ali, University of Bologna, PhD Student Department of Psychology  
*Behavior, Trust, and Refurbished WEEE: Human-Centered UX for Circular Economy*

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16:45 – 17:00

Simone Amadori, University of Bologna, PhD Student Department of Agricultural and Food Sciences  
*From Trade-offs to Synergies: Integrating Socio-Economic and Environmental Impacts into Food System Management*

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17:00 – 17:30

Discussion

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17:30 – 18:15

PhD Research Presentations – Round 2

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17:30 – 17:45

Marika D'Agostini, University of Bologna, PhD Student Department of Statistical Sciences "Paolo Fortunati"  
*Measuring the Thermal Effects of Urban Transformation: A Fine-Scale Analysis of Land Surface Temperature*

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17:45 – 18:00

Sato Kohei, University of Tsukuba, Graduate School of Science and Technology  
*A Study on the volume fraction of fine-grained sediment in immature debris flows using image analysis based on optical theory*

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18:00 – 18:15

Edoardo Teresi, University of Bologna, PhD Student Department of Civil, Chemical, Environmental, and Materials Engineering  
*From desalination to resource recovery: sustainable pathways for water resilience and circular materials*

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18:15 – 18:45

Discussion

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18:45 – 19:30

PhD Research Presentations – Round 3

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18:45 – 19:00

Kudo Yuki, University of Tsukuba, Graduate School of Science and Technology  
*Investigation of Controlling Factors of Rainfall-Induced Landslide Depth Using Airborne LiDAR Data*

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19:00 – 19:15

Arianna Fornasari, University of Bologna, PhD Student Department of Medical and Surgical Sciences  
*Tracking environmental contaminants in the maternal-fetal compartment: investigation of Microplastics and PFAS infiltration*

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19:15 – 19:30

Samira Johanna Breitling, PhD Student Department of Mathematics, University of Bologna  
*Mathematical Modeling of Alzheimer's Disease Dynamics*

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19:30 – 20:00

Discussion and conclusion