

Department of AI, Data  
and Decision Sciences

# Mathematical Methods for Climate Impacts

**27 January 2026, 9:30 am**

Room 409, Luiss Campus at Viale Romania 32, Rome

**Cristina Urbani**

Researcher RTT, Univertas Mercatorum

*Comparison Principles and Asymptotic  
Behaviour For A 2-Layer Diffusive EBM*

**Anna Vidotto**

Researcher RTT, Sapienza University of Rome

*Testing for Unit Roots in Spherical  
Isotropic Autoregressions*

**Francesca Bucci**

Professor, University of Florence

*Evolutionary Partial Differential Equations  
With Finite Memory: State Space Framework  
and Optimal Boundary Control*

**11:30 am Coffee Break**

**Katia Colaneri**

Professor, Roma Tre University and University  
of Tor Vergata

*Expect The Worst! Optimal Emission  
Abatement Under Tax Policy Risk & Uncertainty*

**12:30 pm Lunch Break**

**2:00 pm**

**Sarah Ismail**

PHD Student, University of Bari

*On the Control of Waves with  
Time-Dependent Degenerate Speed*

**Michele Ricciardi**

Post Doc, Luiss

*Mean Field Games in infinite dimension:  
theory and economic applications*

**3:20 pm Coffee Break**

**Giuseppe Floridia**

Professor, Sapienza University of Rome

*Carleman Estimates for Transport Equations  
with Applications to Inverse Problems*

**Registration**