

Workshop Nature-based solutions for urban sustainability: shaping greener smart cities

28-01-2026

Where: Dept of Physics and Astronomy “A. Righi”, viale Bertoni 6/2, Bologna

Morning Scientific Session - AULA BP-2B (II floor) + Link to remote connection		
9.00 - 9.15	Registration and welcome	
9.15 - 9.30	Institutional greetings	
9.30 - 10.10	Invited opening talk	P. Salizzoni <i>École Centrale de Lyon & Politecnico di Torino</i>
10.10 - 10.20	Introducing GREEN-POLIS	C. Cintolesi, <i>Università di Bologna</i>
10.20 - 10.40	On the effects of trees on wind and pollutant dispersion in a real urban canyon: a water-channel experiment	P. Monti, <i>Università di Roma “La Sapienza”</i>
10.40 -11.00	High-resolution numerical simulation of pollutant dispersion in urban canyons	C. Cintolesi, <i>Università di Bologna</i>
11.00 -11.30	Coffee break	
11.30 -11.50	Integrating a three-dimensional urban canopy model into WRF for high-resolution microclimate simulations	L. Giovannini, <i>Università di Trento</i>
11.50 - 12.00	Introducing RESTART	A. Di Bernardino, <i>Università di Roma “La Sapienza”</i>
12.00 -12.20	The urban heat island in Rome: estimation methods and new insights from fixed, mobile, and satellite data	S. Argentini, <i>ISAC CNR</i>
12.20 -12.40	Investigating the interaction between Urban Heat and Pollution Islands: evidence from in-situ observations in Rome	A. Di Bernardino, <i>Università di Roma “La Sapienza”</i>
12.40 -13.00	Heatwave impacts and interactions with air quality: insights from a coupled mesoscale-urban scale dispersion model	Erika Brattich, <i>Università di Bologna</i>
13.00 -13.10	Wrap up of the Morning session and Team photo	
13.10 -14.30	Lunch – Aula 4, ground floor	
Afternoon Dissemination Session - AULA 4, ground floor		
14.30 - 15.00	Welcome	
15.00 - 15.30	Invited talk	S. Di Sabatino, <i>Università di Bologna</i>
15.30 - 16.30	Roundtable with institutional stakeholders: · Arch. Giovanna Ulrici , Servizio gestione strade e parchi, Com. di Trento · Dr Michele Stortini , Unità Previsioni numeriche qualità dell'aria, ARPAE · Patrizia Bianconi , Gabinetto di Presidenza della Giunta, Regione Emilia-Romagna	
16.30 - 16.40	Wrap up: closure of the day and lessons learnt	
Networking event		
17.00 - 18.30	Working aperitivo (optional, not included)	