

PERCORSI DI TRANSIZIONE PER LE CITTA' ED I TERRITORI URBAN TRANSITION PATHWAYS

ENEA, attraverso la Divisione Smart Energy del Dipartimento Tecnologie Energetiche e Fonti Rinnovabili, organizza presso Bergamo tre giorni di incontri, workshop e tavoli di discussione per fornire informazioni e strumenti a PA, Utility e imprese sul tema "Percorsi di Transizione per Città e Territori - Urban Transition Pathway."

L'obiettivo è creare sinergie tra i network nazionali e internazionali in cui ENEA opera e avviare percorsi condivisi per lo sviluppo dei contesti urbani e territoriali.

I lavori si apriranno il 30 novembre p.v. con un convegno (in lingua italiana) dal titolo "Transizione digitale ed energetica - Strumenti tecnologici e finanziari per lo sviluppo di contesti urbani e territoriali". Nella giornata del 1° dicembre p.v. si svolgerà un confronto (in lingua inglese) sugli strumenti offerti da CapaCITIES, Net Zero Cities e Partnership DUT ed il 2 dicembre p.v. si chiuderà con una rassegna dei principali progetti di ricerca sulla transizione urbana proposti dalla rete EERA Joint Programme on Smart Cities.

Gli incontri sono rivolti a: •Pubblica Amministrazione Locale: manager e sviluppatori delle strategie di transizione; funzionari pubblici coinvolti nei processi di transizione; responsabili di procedimenti e processi nei Comuni; •professionisti (architetti, ingegneri, energy manager, urbanisti...); •imprese tecnologiche; •società multiservizio; •ESCO; •cittadini e associazioni di quartiere e/o associazioni di consumatori, gestori dei patrimoni; •immobiliari pubblici; • ANCI

Organizzazione delle giornate

giorno		SALA ARIA	SALA ACQUA	SALA K2	SALA CDA	PIAZZA IDEE
30 novembre	mattina	Transizione digitale ed energetica + tavolo comunità energetiche <i>(collegamento streaming canale italiano e canale inglese)</i>				
	pomeriggio		Joint Programme on Smart Cities <i>(collegamento streaming)</i>	Tavolo CITTA' <i>(collegamento streaming)</i>	Tavolo INFRASTRUTTURE <i>(collegamento streaming)</i>	
						World café
1 dicembre	mattina	Joint Programme on Smart Cities	Driving Urban Transition Partnership <i>(collegamento streaming)</i>			
	pomeriggio			Building Capacities for the Climate Neutral and Smart Cities Mission CapaCITIES <i>(collegamento streaming)</i>		
2 dicembre	mattina		Steering Board Joint Programme on Smart Cities			

Kilometro Rosso Bergamo - 30 novembre 2022

Transizione digitale ed energetica Strumenti tecnologici e finanziari per lo sviluppo di contesti urbani e territoriali

ENEA ha promosso, proposto ed avviato un cambiamento nelle modalità di gestione delle infrastrutture, servizi e territori, sviluppando una nuova generazione di modelli gestionali supportati da specifiche soluzioni metodologiche e tecnologiche. ENEA, attraverso la Divisione Smart Energy del Dipartimento Tecnologie Energetiche e Fonti Rinnovabili, impegnata a supportare la pubblica amministrazione nell'intraprendere e conseguire gli obiettivi dei processi di transizione, organizza un momento di presentazione delle sue soluzioni e confronto con gli attori del territorio anche ai fini di correlare offerta e domanda. Km Rosso rappresenta il punto di contatto tra il mondo della ricerca e quello dell'industria e delle pubbliche amministrazioni con l'obiettivo di focalizzare i risultati sulle effettive esigenze del territorio.

Programma Preliminare

- 08.30-09.30** Registrazione dei partecipanti
- 09.45-10.00** Saluti istituzionali
Gilberto Dialuce, Presidente ENEA
Salvatore Majorana, Direttore Kilometro Rosso
- 10.00-10.15** La Sede ENEA di Kilometro Rosso: obiettivi e proposte per il territorio
Giorgio Graditi, Direttore Dipartimento TERIN ENEA
- 10.15-11.30** Talk: le soluzioni metodologiche/tecnologiche sviluppate da ENEA TERIN-SEN – moderazione di E. Martinelli/P. Giuliani
per le infrastrutture: PELL (Fabio Moretti) e CIPCAST (Maurizio Pollino)
per la città: SCP (Cristiano Novelli), UCUM (Roberta Pezzetti), PED.EF (Gilda Massa)
per il cittadino: DHOMUS (Sabrina Romano), SMART SIM (Francesco Mancini)
per le comunità energetiche: RECON (Matteo Caldera) e portale CER (Gianluca D'Agosta)
- 11.30-11.45** **coffe break**
- 11.45-13.00** Tavoli di Lavoro su soluzioni e competenze ENEA TERIN-SEN al servizio dell'innovazione dei contesti urbani e territoriali
Tavolo 1 - INFRASTRUTTURE, coordinamento N. Gozo con F. Moretti, M. Pollino
Tavolo 2 - CITTA', coordinamento R. Pezzetti con A. Frascella, C. Novelli
Tavolo 3 - CITTADINO E COMUNITÀ ENERGETICHE, coordinamento: E. Martinelli con M. Caldera, G. D'Agosta e S. Romano
- 13.00-14.00** **Pranzo**

L'attività si colloca nell'ambito del Piano Triennale 2022-2024 della Ricerca di Sistema Elettrico, per quanto attiene il Progetto 1.7 "Tecnologie per la penetrazione efficiente del vettore elettrico negli usi finali" - WP1 "Comunità energetiche sostenibili": Network internazionali: Paola Clerici Maestosi; Network nazionali: Nicoletta Gozo e Giuseppina Giuliani

- 14.00-15.00** Istituzioni, imprese e ricerca per la creazione di una filiera di valore a servizio del territorio – moderazione E. Martinelli
Giacomo Biraghi, Responsabile Innovazione, Confindustria Bergamo
Giuseppe Franchini, Delegato del Rettore alla Transizione energetica (Università degli Studi di Bergamo)
Alessandro Bortoletto, City GreenLight, Innovation Manager
Marco Bailo, Sindaco di Magliano Alpi
Cristina Gironi, CONSIP S.p.A.
Massimo Di Domenico, Cluster Smart Cities and Communities, Regione Lombardia
Nadia Busato, Urban Innovation Project Manager
- 15.00-15.30** Le città europee verso la neutralità climatica entro il 2050: i bisogni del territorio e il sistema dei finanziamenti e gli strumenti- moderazione N. Gozo
I bisogni del territorio - Lucio De Luca, vicepresidente ANCI Lombardia
Sensemaking map per la transizione urbana - Paola Clerici Maestosi, rappresentante nazionale Driving Urban Transition Partnership
Valutazione e monitoraggio dello stato della pianificazione climatica a scala locale: La EURO-LCP Initiative – Filomena Pietrapertosa, CNR IMAA
- 15.30-16.30** Talk - moderazione E. Martinelli
Eleonora Riva Sanseverino, rappresentante nazionale DUT e 2ZERO Partnerships
Carlo Alberto Nucci, Rappresentante nazionale Mission 100 Climate Neutral Cities
Francesco Luca Basile, rappresentante nazionale Cluster 5 Horizon Europe
Giorgio Martini, Agenzia per la Coesione Territoriale
Giovanni Vetrutto, Dirigente Generale Presidenza del Consiglio dei Ministri
- 16.30-17.45** Tavoli di Lavoro: percorsi applicativi delle soluzioni ENEA
percorsi applicativi Tavolo 1 - INFRASTRUTTURE
percorsi applicativi Tavolo 2 - CITTA'
percorsi applicativi Tavolo 3 - CITTADINO E COMUNITA' ENERGETICHE
- 17.45-18.20** Sintesi dei tavoli
N. Gozo, R. Pezzetti e E. Martinelli
- 18.20-18.30** Conclusioni e sviluppi futuri
Stefano Pizzuti, Direttore Divisione Smart Energy, Dipartimento Tecnologie Energetiche e Fonti Rinnovabili
- 18.30-19.30** World café - attività di networking nella Piazza delle Idee
- dalle 19.30** Navetta per Bergamo

Kilometro Rosso Bergamo - 30 novembre 2022



EERA Joint Programme on Smart Cities

More sustainability and liveability are policy goals of utmost importance for city administrations across Europe and the world. The Sustainable Development Goals (SDGs) are an important guideline in this, in particular but not exclusively, SDG 11, which aims to make cities inclusive, safe, resilient, and sustainable. To meet the targets, we need to reframe and rethink the governance and management of the city, to identify what works and what does not work, and to develop a vision for its buildings, infrastructures and public spaces attuned to its citizens' and local businesses' interests.

Within this context, cities face a formidable challenge to become energy-efficient and energy-flexible with net zero greenhouse gas emissions and active management of an annual local surplus production of renewable energy. This requires interaction and integration between buildings and the regional energy, mobility and ICT system, while supporting social, economic and environmental sustainability. Discipline-specific approaches do not have the adequate capability, scope and scale to solely handle complex societal challenges; however, developing high-impact, cross-disciplinary, cross-sectoral and cross-cultural cooperation has proven challenging to implement.

Since its creation eight years ago, EERA Joint Programme Smart Cities (EERA JPSC) and its Participants have contributed significantly to research and innovation in smart cities – both in the development of fundamental research, innovation and co-creation with city and industry partners, and in showcasing the importance of research and innovation in a field that is more and more prone to high-TRL (Technology Readiness Levels) demonstration projects.

AUDIENCE: Universities, RTOs

DRAFT AGENDA ROOM ACQUA

14.30-14.45 Welcome, aims of the meeting and agenda
introduce: Paola Clerici Maestosi, ENEA
Annemie Wyckmans, NTNU
Roberto Marelli, KM ROSSO
Claudia Snels, ENEA

14.45-15.45 **SESSION RD&I projects for Urban Transition**
Moderator Claudia Snels
Selected speeches

- **RdS 1.7 - ENEA supporting sustainable urban transition, Claudia Meloni, ENEA**
The project supports energy and digital transition for urban infrastructures with a set of tools and methodologies
- **The Energy Communities for the Urban Transition, Gilda Massa, Researcher, ENEA project coordinator, COME RES Project**
The Project aims to increase the share of renewable energy in the electricity sector with a bottom-up approach
- **Planning for Participatory, Healthy, and People-centered Cities. Experiencing Transition Urban Labs in Nordic cities. Enza Lissandrello – Associate Professor in Urban Planning and Governance – Aalborg University, Denmark**
The presentation is based on a NordForsk project on urban planning and smart cities on the co-creation of knowledge on urban air quality and its integration into urban planning

- **Urban Check Up Model, a tool for assessing the level of digitalization of cities and territories, Roberta Pezzetti, Director SMARTER Research Centre, University of Insubria**
The project proposes an urban data analysis tool useful to guide Municipalities in evaluating the level of digitalization of urban services and the need for innovation in a smart service perspective
- 15.45-16.00** **Coffe break**
- 16.00- 17.30** **SESSION RD&I projects for Urban Transition**
Moderator Claudia Snels
- **The experience of the GECO Project: the Green Energy Community of the Pilastro and Roveri District in Bologna, Felipe Barroco, PhD in Energy and Environmental, project manager at AESS.**
The GECO Project intends to address the social, technical and economic aspects related to the creation of the green energy community in order to increase sustainability, reduce energy poverty and generate a low-carbon economic cycle in the Pilastro and Roveri District of Bologna
 - **Digital and Real: need for an alliance supporting urban regeneration, Saveria Teston, Process Innovation Manager, DARE - UIA project - Ravenna Municipality**
The project proposes an Urban Regeneration Process based on new alliances between public, private profit and non-profit sectors and residents
 - **Self users, Fabio Napolitano, UniBO**
The project aims at developing models and sizing criteria for photovoltaic system and battery energy storage systems in energy communities based on a multi-year consumption monitoring campaign in an apartment building
 - **Innovative model tool boosting sustainable and feasible renovation programs towards PEDs, Paolo Civiero, Assistant Professor at RomaTre University, PEDRERA Project**
The project proposes a novel tool able to design multiple scenarios useful to evaluate several scenarios in the renovation of existing building stock at the district level, according to a Positive Energy District (PED) perspective and multiple PPP business model
 - **Imola Living Lab, Elena Penazzi, Councelor for Racetrack, Tourism, Citizen – Digital Innovation and EC policies**
The project proposes a Living Lab focused on Imola Racetrack supporting urban transition given sustainability, social inclusion and road safety issues
 - **Power to ZEN (P2ZEN) – Renewable Energy Community as a local development tool in a popular neighbourhood in Palermo, Tullio Pagano, AMG Energia**
P2ZEN is an ongoing pilot action promoted by a group of partners (Metropolitan and Municipality Authorities, Energy Utility, University) within a project supported by the Italian Ministry of Ecological Transition (MiTE). Example of partnership, with an emblematic value and a good degree of replicability.
- 17.30-17.45** **Wrap up and conclusion about SESSION RD&I projects for Urban Transition**
Moderator Claudia Snels
- 17.45-18.00** **Next day agenda**
- 18.00-19.30** World café - networking in Piazza delle Idee
- From 19.30** Transfer to Bergamo

Kilometro Rosso Bergamo - 1 dicembre 2022

Urban Transition Pathways

Draft programme – ACQUA ROOM: Driving Urban Transition Partnership

- 08.30-09.00** Registration
- 09.00-09.15** Welcome and aims
Paola Clerici Maestosi, ENEA, national delegate Driving Urban Transition Partnership
- 09.15-09.30** Mission 100 CNC
Carlo Alberto Nucci, national representative Mission 100 Climate Neutral Cities
- 09.30 -09.45** Driving Urban Transition Partnership
Eleonora Riva Sanseverino, national delegate DUT P
- 09.45-10.00** DUT Partnership Pathways
Christoph Gollner, PED Pathway Coordinator in the framework of DUT
- 10.00-10.15** Not only calls for CITIES
Gilda Massa, ENEA
- 10.15-10.30** Public officers and Practitioners Community - PoP C
Silvia Bossi, ENEA
- 10.30-13.00** Workshop GET TOGETHER on ORGANIZATIONAL aspects - Driving Urban Transition
- 10.30-10.45** Feedback/results on organizational aspects (MURAL) from PoP Community
- 10.45-12.15** Public officers points of view on organizational aspects
- 10.45-10.55 F. Corais, Braga (PT)
- 10.55-11.05 C. Pellegrini, Parma (IT)
- 11.05-11.15 H. Hemis, Wien (AT)
- 11.15-11.25 M. Stefini, Bergamo (IT)
- 11.30-11.45** **coffee break**
- 11.45-11.55 C. Fournioux, Clermont metropole
- 11.55-12.05 S. Quartieri, Imola (IT)
- 12.05-12.15 S. Oliviera e Costa, Österåker Municipality (SW)
- 12.15-12.30 M. Ojan, Milano (IT)
- 12.30-13.00** Brainstorming, round table and next steps
- 13.00-14.00** **light lunch**

Draft programme – K2 ROOM: Building Capacities for the Climate Neutral and Smart Cities Mission CapaCITIES

- 14.00-14.45** **FOOD for THOUGHT**
- 14.00-14.15** What factors are driving cities to commit to the transition to climate neutrality? Some insights from the analysis of the EU Mission 100 CNC candidate cities
Monica Salvia, CNR IMAA
- 14.15-14.30** Transition Team & Lab within CapaCITIES experience
Albert Edman, Viable Cities CapaCITIES
- 14.30-14.45** How local dynamics and ecosystems impact on RD&I projects: the case of Stardust project in Trento
Adriano Bisello, EURAC

- 14.45-15.00** Sensemaking
Paola Clerici Maestosi, ENEA
- 15.00-15.15** Net Zero Cities Platform
Francesca Rizzo, Full Professor, POLIMI
- 15.15-15.30** CapaCITIES supporting Mission 100 CNC
Elena Simion, CSA CapaCITIES Coordinator
- 15.30-15.45** **coffee break**
- 15.45-16.00** CapaCITIES national dimension and team
Paola Clerici Maestosi, ENEA
- 16.00-17.00** Workshop on Ambassador: who & what
Monica Salvia e Filomena Pietrapertosa, CNR IMAA
- 17.00-17.30** Wrap up and next steps
Paola Clerici Maestosi, CapaCITIES WP5 leader
- 19.00** **Social Event and Dinner**
- After dinner** Transfer to Bergamo

Kilometro Rosso Bergamo – 1st december 2022



EERA Joint Programme on Smart Cities

DRAFT AGENDA ARIA ROOM

09.00-13.00 Welcome, aims of the day and agenda

Annemie Wyckmans

- Presentation of new projects and activities in the framework of COST ACTION CA19126 – Positive Energy District European Network EU-NET
- Working sessions: A beautiful, inclusive, just, affordable, resilient and sustainable climate/energy transition in cities and communities
Current status & experiences from national and project context, by partners. How are we affected by the war, energy poverty, social and political crises, disruptions in supply chains etc?

13.00-14.00 Light Lunch

14.00-15.30 Site Visit Innovation District

15.30-18.30 Near-future scenarios

19.00 Social event and dinner

After dinner Transfer to Bergamo

Kilometro Rosso Bergamo – 2nd december 2022



EERA Joint Programme on Smart Cities

DRAFT AGENDA ROOM ACQUA

- 09.00-09.30** EERA JPSC and COST action supporting urban transition (open to the public)
Annemie Wyckmans & Laura Aeleni
- 09.30-10.30** Round table on: needs and pains about urban transition (open to the public)
- 10.30-13.00** Extended EERA JPSC Steering Committee meeting (EERA JPSC members only)
- Updates by the EERA Secretariat
 - Reflections on the Bergamo meeting – what did we see & hear?
 - Planning for 2023: SRIA, events, including just & resilient transition, and role of research/researchers in the transition
 - Building capacity to coordinate HEU proposals
 - Presentation of joint event with COST end May / early June 2023, by Laura/Vicky
 - Cooperation with COST Action, IEA Annex, Cities Mission / NetZeroCities, CrAFT / NEB, DUT, B4P, Mission Innovation UTM etc to support development and implementation of our SRIA
- 13.00-14.00** **Light Lunch**