

FINAL AGENDA – AMENDMENTS 10.12.2019

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MONDAY 09TH DECEMBER 2019

Time	Seminar Room 1	Seminar Room 2	Seminar Room 3	Seminar Room 4	Seminar Room 5	Auditorium	A1.01.04	A1.02.53P	Foyer	“Noise” Space
09:00 - 11:00	-	-	-	-	HOTMAPS Training	-	-	-	-	Poster exhibition
11:00 - 11:30	Coffee Break									
11:30 - 13:00	-	-	-	-	HOTMAPS Training	-	-	-	-	Poster exhibition
13:00 - 14:00	Lunch Breack									
14:00 - 17:00	-	-	-	-	HOTMAPS Training	-	-	-	Registration	Poster exhibition
18:00	Aperitif (for HOTMAPS training course participants)									
20:00	Dinner (for HOTMAPS training course participants)									

TUESDAY 10TH DECEMBER 2019

Time	Seminar Room 1	Seminar Room 2	Seminar Room 3	Seminar Room 4	Seminar Room 5	Auditorium	A1.01.04	A1.02.53P	Foyer	NOISTERIA
8:30 – 9:00									Registration	
09:00 - 11:00	<p>P1 (Opening Plenary)</p> <p>Keynote Speech by Håvard Haarstad</p> <p>Introducing UERA - EIP</p> <p>Thematic tracks presentation</p>	-	-	-	HOTMAPS Training	-	-	-	Registration	Poster exhibition
11:00 - 11:30	Coffee Break									
11:30 - 13:00	UERA – EIP Opening and plenary session	-	-	-	HOTMAPS Training	-	-	-	Registration	Poster exhibition
13:00 - 14:00	Lunch Break									
14:00 - 16:00	UERA – EIP Panel discussion H2020 SCC projects + SCGP	<p>T5.1 (Nippa)</p> <p>4120</p> <p>4186</p> <p>4129</p> <p>4141</p> <p>4188</p> <p>4274</p>	<p>T1.1 (Guastella) (4139)</p> <p>4347</p> <p>Interactive panel discussion</p>	<p>T1.2 (Kampelis) (4107)</p> <p>4310</p> <p>4311</p> <p>4312</p> <p>4313</p> <p>4314</p>	-	-	-	-	Registration	Poster exhibition
16:00 - 16:30	Coffee Break									
16:30 - 18:00	<p>UERA – EIP World Café and wrap up</p> <p>+ Matchmaking for Calls *</p>	<p>T2.1 (Fiore)</p> <p>4118</p> <p>4179</p> <p>4412</p>	<p>T1.3 (Haarstad)</p> <p>4241</p> <p>4253</p> <p>4405</p> <p>4710</p>	<p>T1.4 (Eisfeld) (4146)</p> <p>4137</p> <p>4328</p> <p>4353</p> <p>4301</p> <p>4279</p>	-	-	SmartEnCity Italian cities meeting	<p>UERA – EIP World Café and wrap up</p> <p>+ Matchmaking for Calls *</p>	Registration	Poster exhibition
18:30	SSPCR 2019 Welcome Aperitif (NOISTERIA)									

*UERA – EIP (16:15 – 18:20)

WEDNESDAY 11TH DECEMBER 2019

Time	Seminar Room 1	Seminar Room 2	Seminar Room 3	Seminar Room 4	Seminar Room 5	Auditorium	A1.01.04	A1.02.53P	Foyer	"Noise" Space
8:30 – 9:00									Registration	
09:00 - 11:00	P2 Plenary Session <i>Keynote Speech by Claudia Baranzelli</i> Introducing JPSC Thematic tracks presentation	-	-	-	-	-	-	-	Registration	Poster exhibition
11:00 - 11:30	Coffee Break									
11:30 - 13:00	T1.5 (Baranzelli) 4153 4174 4222 4204 4261	T2.2 (Novelli) 4393 4217 4250 4285 4199 4134 4135	EERA JPSC Workshop session one: Energy flexibility	T4.1 (Mora) 4103 4197 4224 4258 4260 4265 4193	T1.6 (Campos Costa) (4243) World Café and wrap up + Q&A	T5.2 (Ludlow) (4161) 4160 4371 4414 4503 4245 4404	Italian Positive Energy Districts Workshop	T5.2 (Ludlow) (4161) 4160 4371 4414 4503 4245 4404	Registration	Poster exhibition
13:00 - 14:00	Lunch Break									
14:00 - 16:00	Technical tour SINFONIA / City tour Christmas Market	-	EERA JPSC Workshop session one: Energy flexibility	-	-	-	Italian Positive Energy Districts Workshop	-	Registration	Poster exhibition
16:00 - 16:30	Coffee Break									
16:30 - 18:00	T1.8 (Abounaga) (4227) Interactive panel discussion	T2.4 (Schweigkofler) (4224) 4306 4308 4309 Testbed session for app and tool	EERA JPSC Workshop session two: Matchmaking	T3.1 (Kranzl) 4288 4192 4206 4305	T1.7 (Haase) (4229) 4125 4268 4271 4304 4318 4372 4286	T.4.2 (Ravazzoli) (4106) 4214 4260 4221 4284 4294 4195 4171	-	-	Registration	Poster exhibition
18:30	EERA JPSC Members Aperitif (NOISTERIA)									
19:30	SSPCR 2019 Social Dinner -> Meeting point Walther Square (shuttle 1) or Sheraton hotel (shuttle 2)									
20:00	SSPCR 2019 Social Dinner (RUNKELSTEIN CASTLE)									
22:30	SSPCR 2019 Social Dinner -> Departure to Walther Square (shuttle 1) or Sheraton hotel (shuttle 2)									

THURSDAY 12TH DECEMBER 2019

Time	Seminar Room 1	Seminar Room 2	Seminar Room 3	Seminar Room 4	Seminar Room 5	Auditorium	A1.01.04	A1.02.53P	Foyer	"Noise" Space
8:30 – 9:00									Registration	
09:00 - 11:00	T1.9 (Miniaci) (4113) 4148 4230 4177 4200	T5.3 (Della Valle) (4149) 4284 4176 4292 4307	EERA JPSC Opening session: Welcome & Tour de Table	T2.3 (Novelli) (4140) 4287 4234 4326 4375 4700	T3.2 (Marella) (4143) 4157 4172 4275 4290 4295 4300 4316	T.4.3 (Hoffmann) (4106) 4108 4136 4169 4216 4256 4116 4281	-	-	Registration	Poster exhibition
11:00 - 11:30	Coffee Break									
11:30 - 13:00	T1.10 (Bisello) 4236 4363 4370 4185 4272	T5.4 (Mora) (4149) 4323 4282 4154 4244	EERA JPSC Plenary Session: Partners projects presentations	T6.1 (Perslow/ Zubaryeva) 4128 4138 4175 4180	T3.3 (Pezutto) (4158) 4171 4181 4219 4257	T4.4 (Hoffmann) (4106) 4115 4122 4145 4162 4210 4223	-	T5.5 (Malvezzi) (4417) Panel discussion + Workshop	Registration	Poster exhibition
13:00 - 14:00	Lunch Break									
14:00 - 16:00	Technical tour SINFONIA / City tour Christmas Market	-	EERA JPSC Module updates: 1,5,3,2,4	-	-	-	EERA JPSC	EERA JPSC	-	Poster exhibition
16:00 - 16:30	Coffee Break									
16:30 - 18:00	T1.11 (Vettorato) (4229) 4182 4196 4228 4705 4286 4369 4372	T5.6 (Gantioler) (4149) 4130 4159 4251 4267 4226	EERA JPSC Module updates	T1.12 (Miniaci) (4113) 4233 4246 4235 4262	T3.4 (Pezutto) (4133) 4126 4163 4218 4166 4406	-	-	-	-	Poster exhibition
20:00	EERA JPSC social dinner (EERA JPSC members only, UERA/JPIUE on invitation) (HOTEL SHERATON)									

FRIDAY 13TH DECEMBER 2019

Time	Seminar Room 1	Seminar Room 2	Seminar Room 3	Seminar Room 4	Seminar Room 5	Auditorium	A1.01.04	A1.02.53P	Foyer	"Noise" Space
09:00 – 10:00	-	T5.7 (Mora) 4225 4248 4269	-	-	-	-	-	-	-	Poster exhibition
09:00 - 12:00	P3 Closing Plenary + Best presentation + Best Poster	-	-	EERA JPSC Steering Committee Board meeting	-	-	-	-	-	Poster exhibition
12:00 - 13:30	SSPCR 2019 Goodbye Brunch									
13:30 - 17:00	Free time activity on the mountains (RENON PLATEAU)									

SIDE EVENTS

<http://www.sspcr.eurac.edu/side-events/>

- TRAINING COURSE ON HOTMAPS TOOLBOX
- UERA – EIP: SOCIETAL, RESEARCH AND INNOVATION CHALLENGES IN INTEGRATED PLANNING AND IMPLEMENTATION OF SMART AND ENERGY-EFFICIENT URBAN SOLUTIONS
- EERA JPSC WINTER PARTNER MEETING
- ITALIAN POSITIVE ENERGY DISTRICT WORKSHOP AND SMART CITIES GUIDANCE PACKAGE
- SMARTENCITY ITALIAN CITIES MEETING

PLENARY SESSIONS

P1 – SSPCR 2019 Opening Plenary

Tuesday, 10th December from 9:00 to 11:00 | Seminar room 1

Psenner, Roland – Welcome message, introducing Eurac Research

Hofer, Huber – Introducing NOI Techpark

Bisello, Adriano – Introducing SSPCR 2019

[Haarstad, Håvard – Are smart city projects catalyzing sustainable transformation?](#)

SSPCR 2019 Moderators – Introducing thematic tracks and special sessions

Borsboom–van Beurden, Judith / Costa, Simona – Introducing UERA – EIP SCC

P2 – SSPCR 2019 Plenary

Wednesday, 11th December from 9:00 to 11:00 | Seminar room 1

Vettorato, Daniele – Introducing ISOCARP & ISOCARP Institute

[Baranzelli, Claudia – The future of cities](#)

SSPCR 2019 Moderators – Introducing thematic tracks and special sessions

Clerici Maestosi, Paola – Introducing EERA JPSC

P3 – SSPCR 2019 Closing Plenary

Friday, 13th December from 10:00 to 12:00 | Seminar room 1

SSPCR 2019 Moderators – Highlights and take home messages from thematic tracks and special session presentation

SSPCR 2019 Scientific Committee & SSPCR delegates – fish-bowl discussion

SSPCR 2019 best presentation award ceremony

SSPCR 2019 best poster award ceremony

THEMATIC TRACK 1

SHAPING THE CLIMATE AND ENERGY TRANSITION: CLEAN ENERGY AND ROBUST SYSTEMS FOR ALL

Keywords:

resilience and robustness, positive energy district, smart readiness indicators, waste energy harvesting, low temperature district heating and cooling, smart grid, energy communities and energy citizens, deep energy retrofit strategies, energy blindness in planning, extreme weather events, blue and green infrastructure, holistic approach, low carbon development, mitigation and adaptation, multi-layered density, nature based solution, planning for disaster management, reaction to climate change, re-naturing the city, smart urban energy planning, talking energy poverty, urban ecosystem services, urban heat island effect, urban vulnerability, visionary and integrated solutions

Special sessions:

- #4139 [Low-carbon and adaptive cities](#)
- #4107 [Smart buildings, smart communities & smart grids](#)
- #4146 [Solutions for decarbonising housing in specific target groups of residents and buildings](#)
- #4243 [P2P transactive platform: a smart citizen-centred solution for Protected Heritage Cities](#)
- #4229 [Energy master planning in Smart and sustainable communities – Towards Positive Energy Districts](#)
- #4227 [Strategies, Policies and Action Plans for Driving Smart and Green Cities: Challenges, Opportunities and Approaches](#)
- #4113 [Tackling energy poverty](#)

Sessions (MODERATOR) and presentations:

#4139 T1.1 (GUASTELLA) – Special session on “Low-carbon and adaptive cities”

Tuesday, 10th December from 14:00 to 16:00 | Seminar room 3

Guastella, Gianni – Introduction to “Low-carbon and adaptive cities”

Evgenia Mitroliou – Sharing inspiring low emission development strategies from the Global South

#4347 Salvia, Monica – Assessing climate action in 885 European cities: latest results on mitigation and adaptation efforts in urban planning

Verones, Sara – Experiences from the Autonomous Province of Trento

Bussadori, Virna – Experiences from the Autonomous Province of Bolzano

This special session is jointly organized by Fondazione Eni Enrico Mattei and IUAV University of Venice

#4107 T1.2 (KAMPELIS) – Special session on “Smart buildings, smart communities & smart grids”

Tuesday, 10th December from 14:00 to 16:00 | Seminar room 4

#4310 Kampelis, Nikos – Smart facilities and demand response

#4311 Sorrentino, Nicola – Sharing energy and resources in renewable energy community

#4312 Ntouros, Vasileios – A survey on smart meters’ penetration at community level

#4313 Paredes, Filippo – Solar concentrating systems for polygeneration in building integrated environments

#4314 Stojceska, Valentina – Improving environmental sustainability of Loccioni Company: A case study

This special session is organized by the Technical University of Crete

T1.3 (HAARSTAD) – Regular session

Tuesday, 10th December from 16:30 to 18:00 | Seminar room 3

- #4241 Andrade, Carlos – Modeling low-carbon energy transition in the territories: a TIMES-SUDPACA model to assess a long-term decarbonization strategy for the south-east region of France
- #4253 Unluturk, Burcu – Energy System Models for City Climate Mitigation Plans – Challenges and Recommendations
- #4405 Al Khalifa, Fay – Defining Smart Sustainable Urbanism Indicators: Professionals Perspective
- ~~#4710 Schrenk, Manfred – Information & Communication Technologies (ICT) are invading the cities! What does “massive digitization” in all aspects of human activities mean for the Real Estate Industry?~~

#4146 T1.4 (EISFELD) – Special session on “Solutions for decarbonising housing in specific target groups of residents and buildings”

Tuesday, 10th December from 16:30 to 18:00 | Seminar room 4

- #4137 Maggiore, Simone – Tackling energy poverty in Italy: household models, pilot actions and policy recommendations.
- #4328 Salvia, Monica – A toolbox to support local action plans to improve energy efficiency and renewable energy use in municipal public buildings
- #4353 Malvezzi, Roberto – Deep Energy Retrofit of Buildings in the EU Med area: the HAPPEN project experience
- #4301 Eisfeld, Kristina – Solutions for decarbonising housing in specific target groups of residents and buildings
- #4279 Perneti, Roberta – BUILDUP portal for energy efficiency in buildings

This special session is jointly organized by the University of Vienna, the Institute of Energy Systems and Electric Drives of TU Wien, Joanneum Research and the Catholic Social Academy of Austria

T1.5 (BARANZELLI) – Regular session

Wednesday, 11th December from 11:30 to 13:00 | Seminar room 1

- #4153 Eisfeld, Kristina – JUST retrofitting!?! The interrelation of energy justice and retrofit in social housing
- #4174 Rizzati, Massimiliano Carlo Pietro – Projections of energy demand in European cities using downscaled population scenarios
- #4222 D’Alonzo, Valentina – A Spatial Decision Support System (SDSS) for increasing the energy performance of the existing building stock
- #4204 Rodriguez, Carla - City Evaluation Framework: fields, domains, indicators for advanced planning processes for urban transformation
- #4261 Massimo, Domenico Enrico – Evolutionary Development Enhanced by Green Energy Policy

#4243 T1.6 (CAMPOS COSTA) – Special session on “P2P transactive platform: a smart citizen-centred solution for Protected Heritage Cities“

Wednesday, 11th December from 11:30 to 13:00 | Seminar room 5

This workshop focusses on the challenging question – which tools can heritage sites provide to their citizens to allow them to carve a positive energy future? –, addressed in H2020 SCC-1 project POCITYF. Évora, on the two Lighthouse Cities of this project, faces, as many other European cities, hard-to-circumvent difficulties when considering business-as-usual sustainable solutions, e.g. PV installation in buildings’ rooftops or façades, given their legal restrictions on urban-related changes.

World Café and wrap up + Q&A

This special session is organized by EDP

#4229 T1.7 (HAASE) – Special session on “Energy master planning in Smart and sustainable communities – Towards Positive Energy Districts” (1)

Wednesday, 11th December from 16:30 to 18:00 | Seminar room 5

- #4125 Costanzo, Ezilda – Integrated building data for smart regions and cities
- #4268 Pellegrini, Cristina – From Ruggedised to Parma Futuro Smart: how to build the city of the future starting from an EU funded project
- #4271 Ahmeti, Shqiprim – Planning for Smart Cities in developing countries: Challenges and ways forward (Making Kosovo's cities smart, sustainable and inclusive)
- #4304 Maas, Nienke – Exploring the concept of Energy Work Place in Rotterdam district
- #4318 Reda, Francesco – The era of Positive Energy Districts – How the PED definition shapes PED Concept
- #4372 Albert–Seifried Vicky – A Review of Modeling Tools for the Planning of Sustainable Energy Systems for Cities and Districts
- #4286 Vasallo, Ali – Advanced methods to support multi–scale energy planning: the TEC4ENERPLAN project

This special session is jointly organized by Sintef Community and Eurac Research

#4227 T1.8 (ABOULNAGA) – Special session on “Strategies, Policies and Action Plans for Driving Smart and Green Cities: Challenges, Opportunities and Approaches”

Wednesday, 11th December from 16:30 to 18:00 | Seminar room 1

- Aboulnaga, Mohsen – City challenges: Strategies, actions, stakeholders' mobilization for liveable and smart urban areas for climate change adaptation
- Sala, Marco – Policies and Tools for Greening cities into Urban Farming Opportunities
- Battisti, Alessandra – Climate Mitigation for Public Spaces: Tools implementation and Practices
- Trombadore, Antonella – Adaptive design of green facades and natural based solutions for resilient architecture and environment

This special session is organized by Cairo University, University of Florence, and Sapienza University of Rome

#4113 T1.9 (MINIACI) – Special session on “Tackling energy poverty” (1)

Thursday, 12th December from 09:00 to 11:00 | Seminar room 1

- #4148 Barrella, Roberto – Towards a hidden energy poverty indicator for Spanish households
- #4230 Martini, Chiara – The Ecobonus incentive scheme and energy poverty: is energy efficiency for all?
- #4177 Miniaci, Raffaele – Combining EPCs, Census and Survey Data to Map Fuel Poverty in Italy. A Small Scale Analysis
- #4200 Núñez-Peiró, Miguel - Vulnerability towards summer energy poverty from a gender perspective. The case of Madrid

This special session is organized by the Italian energy poverty observatory (OIPE)

T1.10 (BISELLO) – Regular session

Thursday, 12th December from 11:30 to 13:00 | Seminar room 1

- #4236 Mahmoud, Hatem – Thermal Performance Evaluation of Unshaded Courtyards in Egyptian Arid Regions
- #4363 Hannoset, Achille – Towards socio-economic democracy: co-housing energy communities
- #4370 Semprini, Giovanni – Densification for deep renovation in sustainable cities
- #4185 Francois, Davi Ezequiel – Low-carbon transitions in European countries under the influence of extreme political, social, economic and energy-related developments
- #4272 Gerin, Guillaume – HyBalance Project – Facilitating the transition in energy, transport and industry through Power to Hydrogen

#4229 T1.11 (VETTORATO) – Special session on “Energy master planning in Smart and sustainable communities – Towards Positive Energy Districts” (2)

Thursday, 12th December from 16:30 to 18:00 | Seminar room 1

#4182 Bottero, Marta – Alternative scenarios for a post-carbon district in Turin: an integrated approach to support urban sustainability

#4196 Campos Costa, José – POCITYF H2020 project – a Transformation Framework for Protected Heritage Cities

#4228 Haase, Matthias – Constraints, stakeholders and boundary definitions in Energy (master) planning between neighbourhood and district

#4705 Bisello, Adriano – STARDUST project, towards the Trento smart city

~~#4286 Hernández, Gema – Advanced methods to support multi-scale energy planning: the TEC4ENERPLAN project~~

#4369 Semprini, Giovanni – Transition to low temperature district heating network

~~#4372 Albert-Seifried Vicky – A Review of Modeling Tools for the Planning of Sustainable Energy Systems for Cities and Districts~~

This special session is jointly organized by Sintef Community and Eurac Research

#4113 T1.12 (MINIACI) – Special session on “Tackling energy poverty” (2)

Thursday, 12th December from 16:30 to 18:00 | Seminar room 4

#4233 D’Alpaos, Chiara – Energy Retrofit in Public Housing and Fuel Poverty Reduction: Cost-Benefit Trade-Offs

#4246 Santangelo, Angela – Investigating the role of occupant behavior to design energy poverty strategies. Insights from energy simulation results

#4235 Chersoni, Giulia – Energy poverty in the EU: A cross-sectional analysis of policy effectiveness

#4262 Palma, Pedro – The Role of Buildings Retrofit for Energy Poverty Vulnerability Mitigation in Portugal

This special session is organized by the Italian energy poverty observatory (OIPE)

THEMATIC TRACK 2

URBAN (BIG) DATA: CHALLENGES FOR INFORMATION RETRIEVAL AND KNOWLEDGE DISCOVERY

Keywords: *Digital transition, digital infrastructures and appliances, FAIR data, 3D and augmented environments in planning, digital twins merging physical and virtual objects, satellite data in urban planning, co-creation & open data, disruptive planning tools and app, big data, city dashboard, Building Information Modelling (BIM), communication strategies, connected citizens, data mining, digital slums, Geographic Information System (GIS), Impact of technologies on people, integrated infrastructure, interconnection, urban Internet of Everything (IoE), automatic sense-and-respond capabilities, key performance indicator, logos and visions, mapping informalities, modelling tools, open source, real time data for planning, remote sensing, sensors, shared data, social media interaction, social networks, spatial decision support tool, standard, statistics, storytelling with data, user interface, e-government, Citizens as sensors, volunteered geography, digital democracy*

Special sessions:

- #4140 [*“Spatially explicit techniques and analysis applied to digital data acquisition for urban and peri-urban monitoring”*](#)
#4224 [*“Smart city dashboard: managing real time urban data from the internet of everything”*](#)

Sessions (MODERATOR) and presentations:

T2.1 (FIORE) – Regular session

Tuesday, 10th December from 16:30 to 18:00 | Seminar room 2

- #4118 WU, Jiaqi – From Big Data to Multidimensional Data: Elderly Care Facility Optimized Planning in Beijing
#4179 **Gorrini, Andrea** – Seeking Fair Inclusion of Women in Public Transport Using Urban (Big) Data: The Case of H2020 DIAMOND Project
#4412 Pastor Juste, Antoni – Big Data Analysis Tools to Enhance Regional Innovation Support

T2.2 (NOVELLI) – Regular session

Wednesday, 11th December from 11:30 to 13:00 | Seminar room 2

- #4393 Elisei, Pietro – Towards data-driven urban transformation of cultural heritage areas
#4217 Bukovszki, Viktor – Transposing integrated data-driven urban planning from theory to practice: a roadmap for smart and sustainable cities
#4250 Peroni, Francesca – From the neighborhoods to the city: BAF analysis scale up for soil sealing monitoring in Padua
#4285 Ferraretto, Valeria – An innovative tool for reshaping urban identities: the case study of Bolzano (IT)
#4199 Ning, Qiu – Quantitative attribution analysis of heterogeneity of spatial agglomeration of Cultural and Creative Industries in Beijing
#4134 Sisto, Raffaele – A Systematic Study of Sustainable Development Goal (SDG) Interactions for Spanish Cities
#4135 Sisto, Raffaele – City assessment tool to measure the impact of public policies in smart and sustainable cities. The case study of municipality of Alcobendas (Spain) compared with similar European cities

#4140 T2.3 (NOVELLI) – Special session on “Spatially explicit techniques and analysis applied to digital data acquisition for urban and peri-urban monitoring”

Thursday, 12th December from 09:00 to 11:00 | Seminar room 4

- #4287 Paolucci, Michela – Snap4city Platform to Speed Up Urban Policies
#4234 Guohui, Xiao - Urban Open Geodata Integration using Virtual Knowledge Graphs
#4326 Imberti, Filippo – Geographic Information Systems for sustainable urban development in weak planning contexts. A Mozambican case study.
#4375 Huang, Jianxiang – The Image of the City on Social Media: A Comparative Study of the “Big Data” and “Small Data” in the

Tri–City Region of Gdansk, Sopot and Gdynia, Poland

#4700 Miche Savron – Implementation of an application on open source QGIS platform for the analysis of the energetic characteristics of Friuli Venezia Giulia Region (Italy) buildings

This special session is jointly organized by the Institute for Renewable Energy of Eurac Research and the University of Trieste

#4224 T2.4 (SCHWEIGKOFLE) – Special session on “Smart city dashboard: managing real time urban data from the internet of everything”

Wednesday, 11th December from 16:30 to 18:00 | Seminar room 2

#4306 Schweigkofler, Alice – Methodology and tools for urban renovation: the case study of the Italian city of Merano

#4308 Zanella, Diego – The transition towards Merano as Smart City

#4309 Wimmer, Günter – The OPENIoT Platform and use cases, running on it!

During this session, participants can have a look at the ongoing experience of the City of Merano, a medium sized city in South Tyrol, in its transition towards a smart city within the project ‘OPENIoT4SmartCities’, funded by the Operational Program for European Regional Development Fund ERDF 2014–2020 in Südtirol/Alto Adige. (CUP: B11B17000720008). The developed methodology and tools to guide this transition will be presented.

In the core part of this session the platform will be presented, participants will have direct experience of four use cases, and an interactive session will be organized whilst getting feedback about real time data management.

Testbed session for app and tool

This special session is jointly organized by Systems and Fraunhofer Italia

THEMATIC TRACK 3

NEW VALUE PROPOSITIONS IN TIMES OF URBAN INNOVATION ECOSYSTEMS AND SHARING ECONOMIES

Keywords:

smart community, business and value model, circular economy, multiple benefits, challenge common spaces for the sharing economy, crowdfunding, crowdsourced design and implementation, Cultural and Creative Industries (CCI), Culture & Local development, district manager, financing tools, flexible and interim use of stalled spaces, green public procurement, industry 4.0 and urban challenges, informal settlements, intangible and cultural assets, local labor market, prosumer, start-up, urban commons, urban ecosystem services, urban responsibility and sustainability, well-being of citizens, win-win solution, nudge approach to behavioral change, creative hubs, public services innovation

Special sessions:

#4143 ["A multiscale approach to circular economy: the economics of reuse from buildings to the urban environment"](#)

#4133 ["Energy economics for smart and sustainable cities and regions"](#)

Sessions (MODERATOR) and presentations:

T3.1 (KRANZL) – Regular session

Wednesday, 11th December from 16:30 to 18:00 | Seminar room 4

- #4288 Antoniucci, Valentina – Urban density and household electricity consumption: an analysis of the Italian residential building stock
- #4192 Casalicchio, Valeria – Renewable energy communities: business models of multi-family housing buildings
- #4206 Croce, Silvia – Building stock material composition at national and European level: the HotMaps repository
- #4305 Elisei, Pietro – THE CRISALIDE PROJECT: Digital city-driven opportunities for rebalancing urban development and life quality through innovative planning processes

#4143 T3.2 (MARELLA) – Special session on “A multiscale approach to circular economy: the economics of reuse from buildings to the urban environment”

Thursday, 12th December from 09:00 to 11:00 | Seminar room 5

- #4157 Sturiale, Luisa – The circular approach to climate change in metropolitan cities
- #4172 Andreucci, Maria Beatrice – Assessing integrated circular actions as nexus solutions across different urban challenges: evidence towards a city-sensitive circular economy
- #4275 Kim, Youngyun – Internet of Things (IoT) as Enabler of Circular Economy at the Urban Scale – Case Study of the Fashion Industry in New York City
- #4290 Antoniucci, Valentina – From contingent valuation to benefit transfer: a literature review of the assessment of environmental goods
- #4295 Mangialardo, Alessia – Build or reuse? Forms of regeneration of the built environment and the real estate market in Italy
- #4300 Suzuki, Shinya – Management of disaster waste from earthquakes in the Circular Economy. Approaches in Japan and Italy
- #4316 Wieszczyńska, Katarzyna – Housing and Sustainable Development Goals: optimizing housing life cycle through a circular economy approach

This special session is organized by the University of Padova

T3.3 (PEZZUTTO) – Regular session

Thursday, 12th December from 11:30 to 13:00 | Seminar room 5

#4158 Capecchi, Irene – A Spatial Multi-Criteria Decision Support System For Stress Recovery-Oriented Forest Management

~~#4171 Calcatine, Alexandru – Relevance of cultural landscape policies and the need for smart and open source frameworks in cultural urban development processes~~

#4181 Coscia, Cristina – Unlocking the social impact of built heritage projects: evaluation as catalyst of value?

#4219 Dagilene, Lina – Institutional readiness for Circular Economy in small advanced open economies

#4257 Massimo, Domenico Enrico – Efficient Energy Economics. Real Estate Premium for Green Building

#4133 T3.4 (PEZZUTTO) – Special session on “Energy economics for smart and sustainable cities and regions“

Thursday, 12th December from 16:30 – 18:00 | Seminar room 5

Kranzl, Lukas – The Horizon 2020 HotMaps Toolbox – the open source mapping and planning tool for heating and cooling

Zambelli, Pietro – The INTERREG Alpine Space GRETA Economic and Financial simulation tool

#4126 Pezzuto, Simon – Public research and development funding for photovoltaics in Europe – Past, present, and future

#4163 Boschiero, Martina – Assessing sustainability of circular economy supply chains: a case study on coffee residues in Italy

#4218 Zambotti, Stefano – Attractive EU national markets for the provision of energy services to residential customers

#4166 Gubert, Martino – ESMA – Ecological and Sustainable Material Application

#4406 Barberis, Stefano – PLANHEAT: a new Open-Source and Integrated Tool to support EU public authorities in the development of low carbon heating and cooling plans

During the session tools developed within R&D projects will be presented. We will test the Horizon 2020 Hotmaps Toolbox (<https://www.hotmaps.hevs.ch/map>), the INTERREG GRETA Tool (<https://tools.greta.eurac.edu/>), and the see the PLANHEAT TOOL (<http://planheat.eu/the-planheat-tool>) as well.

This special session is jointly organized by the Institute for Renewable Energy of EURAC Research and the Institute of Energy Systems and Electric Drives of TU Wien

THEMATIC TRACK 4

DISSOLVING BORDERS: TOWARDS INTEGRATED TERRITORIAL APPROACHES, FROM SMART CITIES TO SMART REGIONS

Keywords:

spatial justice, territorial balance, spatial equality and segregation, urban/suburban/periurban/rural dimensions, local/regional/national and cross-border dimensions, marginality and centrality/poles and peripheries/cores and places left behind/strong and fragile territories, smart living/smart working/smart mobility in a smart land, external & internal drivers (connection to reduce/adapt/ address natural risks and socio-demographic changes), interconnected un-bounded living, innovative socio-ecological transformations, new and creative value added chains, internal and international migration, divide/unify (digitally, services, jobs, education), social practices for clean food, water and energy uses

Special sessions:

#4106 [Rural-Urban Relationships for a better territorial development](#)

Sessions (MODERATOR) and presentations:

T4.1 (MORA) – Regular session

Wednesday, 11th December from 11:30 to 13:00 | Seminar room 4

- #4103 Dabis, Attila – Sustainability of cultural diversity in the European Union: National communities and the socio-economic cohesion of the Union
- #4197 Xing, Zibo – Cross-City Commuting in Guangdong-Hong Kong-Macao Greater Bay Area: Features, Trends and Comparisons
- #4221 Lengyel, Janka – Multiscale Urban Analysis and Modelling for Local and Regional Decision-Makers
- #4258 Svanda, Nina – Beyond the city limits – smart suburban regions in Austria
- #4260 Moreira, Maria da Graça – Tourism in the time of the smart regions
- #4265 Gouveia, João – SUSHI: SUStainable HIstoric city districts – Sustainable Alfama
- #4193 Xu, Qiuyin – Enhancing Knowledge Learning and Innovation Network during Planning Participation—An Empirical Analysis of Rural Construction in Yanhe Village, China

#4106 T4.2 (RAVAZZOLI) – Special session on “Rural-Urban Relationships for a better territorial development” (1)

Wednesday, 11th December from 16:30 to 18:00 | Auditorium

- #4214 Laner, Peter – Integrated solutions for the provision of Services of General Interest in peripheral mountain regions
- #4260 Moreira, Maria da Graça – Tourism in the time of the smart regions
- #4221 Lengyel, Janka – Multiscale Urban Analysis and Modelling for Local and Regional Decision-Makers
- #4281 Membretti, Andrea – Innov-Aree: accompanying mountain imaginary to become sustainable reality.
- #4291 Aragona, Stefano – Rural areas as opportunity for a new development path
- #4195 Proto, Andrea R. – A case study of biomass power generation in rural areas in Southern Italy
- #4171 Calcatinge, Alexandru – Relevance of cultural landscape policies and the need for smart and open source frameworks in cultural urban development processes

This special session is jointly organized by the University Mediterranea di Reggio Calabria and the Institute for Regional Development of Eurac Research.

#4106 T4.3 (HOFFMANN) – Special session on “Rural–Urban Relationships for a better territorial development” (2)

Thursday, 12th December from 09:00 to 11:00 | Auditorium

- #4108 Dalvit, Giorgio – Alperia Smart Region: the region–wide approach for South Tyrol
- #4136 Mertens, Giel – Making cities informed implementers of autonomous mobility
- #4169 Calabrò, Francesco – Tools for integrated strategies addressing Inner Areas’ abandonment: Sustainable and Integrated Energy Strategies toward a better territorial cohesion.
- #4216 Barberi, Riccardo – A small solar microgenerator
- #4256 Massimo, Domenico Enrico – Rural–Urban Synergy: Forestry Resources for Post Carbon City to Mitigate Climate Change
- #4116 Pagliuso, Ana – Integrated territorial approaches in Portugal: between EU–led policy initiatives and national statutory contexts
- #4281 Membretti, Andrea – Innov–Aree: accompanying mountain imaginary to become sustainable reality.

This special session is jointly organized by the University Mediterranea di Reggio Calabria and the Institute for Regional Development of Eurac Research

#4106 T4.4 (HOFFMANN) – Special session on “Rural–Urban Relationships for a better territorial development” (3)

Thursday, 12th December from 11:30 to 13:00 | Auditorium

- #4115 Pisman, Ann – Reporting about the development of new maps and indicators for Flanders and the challenge to get these new insights implemented in policy documents
- #4122 Li, Xin – Construction of Resilience in Urban Fringe Based on Sponge City: an Example of Green Space Planning of Shahe in Beijing, China
- #4145 Passarelli, Domenico – Digital transformation, small town, experimentation: Membrana smart research project
- #4162 Grilli, Gianluca – Preference–Based Planning Of Urban Green Spaces: A Latent Class Clustering Approach
- #4210 Levarlet, François – Territorial development tools for cross–border smart and sustainable regions
- #4223 Cattivelli, Valentina – Defining urban and rural areas: Characteristics and problems related to the methods currently adopted

This special session is jointly organized by the University Mediterranea di Reggio Calabria and the Institute for Regional Development of Eurac Research

THEMATIC TRACK 5

THRIVING GOVERNANCE AND CITIZENSHIP IN A SMART WORLD: ENVIRONMENTS AND APPROACHES FOSTERING ENGAGEMENT AND COLLABORATIVE ACTION

Keywords:

strategy formulation and strategy implementation, open innovation / open strategizing, stakeholder approach; stakeholder project management, challenge-driven innovation, key dilemmas, behaviors and trust relationships, beyond gated communities, bottom-up approach, citizen's priority first, community security, complexity, gentrification, integrated planning procedures, multilevel governance, overcoming institutional rigidity, participatory governance, place making, place-based policy-making, public engagement, social and spatial justice, social inclusion, social network and stakeholders analysis, societal fragility-citizen resilience, unlocking development potential, dynamics of the transition, transition pathways, urban liveability, human-centered cities

Special sessions:

- #4161 [Smart City Governance – Co-creating Urban Planning and Inclusive Communities](#)
- #4149 [Behavioral insights for sustainable and smart cities and regions](#)
- #4417 [Deep energy retrofitting of residential buildings in the Mediterranean area: the HAPPEN Programme](#)

Sessions (MODERATOR) and presentations:

T5.1 (NIPPA) – Regular session

Tuesday, 10th December from 14:00 to 16:00 | Seminar room 2

- #4120 Monardo, Bruno – The Emerging Identity of Innovation Centers as 'Intermediate Places' between Social and Institutional Regeneration. Insights from Boston and Bologna models
- #4186 Andreucci, Maria Beatrice – Smart Creative Cities: Culture, Economy, and Community at nexus
- #4129 Benda, Vivien – Discrimination against vulnerable and marginalized groups – a hidden barrier to sustainable urbanization?
- #4141 Ekane, Nelson – Spatial inequality in water supply and sanitation service delivery: Citizen perceptions and expectations from service providers
- #4188 Gantioler, Sonja – Nature-based solutions on the blockchain: A review into the use of emergent institutional technology in environmental governance
- #4274 Wesolowska, Judyta – Strategic urban planning as a long-term vision for sustainable city and regional development

#4161 T5.2 (LUDLOW) – Special session on “Smart City Governance – Co-creating Urban Planning and Inclusive Communities”

Wednesday, 11th December from 11:30 to 13:00 | Room A1.02.53P

- #4160 Ludlow, David – Smart City Governance Innovation Architecture
- #4371 Laborgne, Pia – Creating Interfaces: Knowledge co-creation and Participation in Urban Food-Water-Energy Nexus Governance
- #4414 Lissandrello, Enza – Towards a Smart Urban Planning: The Co-production of Contemporary Urban Citizenship in the Era of Digitalization
- #4503 Borsboom-van Beurden, Judith – Smart city governance as foundation of integrated approaches to planning and implementation of smart city projects
- #4245 Wu, Chenling – Research on Tianjin Urban Growth Evaluation Based on Smart Growth Perspective
- #4404 Meyer, Susanne – Success Factors of City Engagement in Smart City Projects and Programmes

This special session is organized by the University of the West of England

#4161 T5.3 (DELLA VALLE) – Special session on “Behavioral insights for sustainable and smart cities and regions”

Thursday, 12th December from 09:00 to 11:00 | Seminar room 2

- #4284 Tavoni, Massimo – The behavioural climate transition
- #4176 Motta Zanin, Giulia – The role of stakeholders' risk perception in management policies. A case study comparison in Southern Italy
- #4292 Fanghella, Valeria – Can in-home displays help fighting energy poverty?
- #4307 Ghidoni, Riccardo – Governing climate engineering: insights from a public “good or bad” experiment

This special session is jointly organized by EU Science Hub – Joint Research Centre (JRC) and the Institute for Renewable Energy of EURAC Research

T5.4 (MORA) – Regular session

Thursday, 12th December from 11:30 to 13:00 | Seminar room 2

- #4323 Massa, Gilda – Analysis of National Research Programmes to Boost Urban Challenges in transnational cooperation
- #4282 Petrovic Krajnik, Lea – Zagreb Smart City Strategy
- #4154 Cetara, Luca – Governing and planning climate change adaptation in mountain regions: setting up a procedure for sub-regional adaptation measures in the Alps as an application of the Budoia Charter for local adaptation
- #4244 Rasheed, Fathimah – Vulnerability Assessment Approach for Disaster Risk Reduction: Post Kerala Floods 2018
- #4248 De Franco, Anita – Regeneration by regulation. An institutional approach to urban transitions

#4417 T5.5 (MALVEZZI) – Special session on “Deep energy retrofitting of residential buildings in the Mediterranean area: the HAPPEN Programme”

Thursday, 12th December from 11:30 to 13:00 | Room A01.02.53P

The H2020 HAPPEN project engages 7 EU Med countries in order to tackle the deep-and-beyond energy retrofitting of the existing residential building stock in the EU Med countries, by proposing a new holistic approach called MedZEB (Mediterranean Zero Energy Building). The Session will have the form of an open, semi-structured round table, divided in two sessions. In the first session (.ca 30') four speakers will hold a key-note speech on relevant topics of HAPPEN, concerning the main project outputs.

Malvezzi, Roberto – Deep energy retrofitting of residential buildings in the Mediterranean area: the HAPPEN Programme

Laghi, Luga – The HAPPEN Protocol: a guarantee system for boosting trust and transparency in the retrofitting market

Menconi, Eraldo – The HAPPEN financial solution

Salmeròn Lissén, José Manuel – The HAPPEN technical solutions: one-stop-shop and step-by-step approach to cost-optimal renovation

In the second session (60') a discussion will be held related to the market potential of these outputs, as well as on concrete suggestions on how to turn a H2020 project outputs into real and effective market tools (including e.g. strategic partners to be surveyed, further research to be carried out, synergies to be built with already existing tools, etc.).

This special session is organized by partners of HAPPEN project

T5.6 (GANTIOLER) – Regular session

Thursday, 12th December from 16:30 to 18:00 | Seminar room 2

- #4130 Battisti, Alessandra – Urban regeneration between technological and social innovation
- #4159 Pambhar, Bhargavi – Smart Governance and People’s Participation through Smart City Initiatives in Ahmedabad: Rhetoric and Reality
- #4251 Tomasi, Silvia – Innovative approaches of energy governance: insights from the literature and the practice
- #4267 Caneva, Silvia – SocialRES Project Fostering socially innovative and inclusive strategies for empowering citizens in the renewable energy market of the future
- #4226 Mahmoud, Israa – Co-creation Pathway as a visionary approach to embed Nature-based Solutions into urban regeneration processes. CLEVER Cities 9 Action Labs, a comparative study.

T5.7 (MORA) – Regular session

Friday, 13th December from 09:00 to 10:00 | Seminar room 2

- #4225 Kalakou, Sofia – Sumps implementation: designation of capacity gaps of local authorities in the delivery of smart and sustainable projects
- #4248 De Franco, Anita – Regeneration by regulation. An institutional approach to urban transitions
- #4269 Tetley-Brown, Lucille – Valuing Data: Staff Skills and Digital Government Transformation in Scottish Local Authorities

THEMATIC TRACK 6

FUTURE MOBILITY: AUTONOMOUS VEHICLES OR EMPOWERED PEDESTRIANS AND CYCLISTS?

Keywords: *digital physical infrastructure and connected citizens, car sharing, carpooling, vehicle to everything, urban drones, e-mobility, mobility as a service, driverless vehicles, freights movement, hybrid vehicles, innovative and integrated infrastructures, first / last mile solution, last mile logistic, mobility on demand, physically active cities, ride-sharing, transit nodes, transit oriented (re)development, walkable cities, safety, sustainable urban mobility plans*

Sessions (MODERATOR) and presentations:

T6.1 (PERSLOW / ZUBARYEVA) – Regular session

Thursday, 12th December from 11:30 to 13:00 | Seminar room 4

- #4128 Primatesta, Stefano – *A Cloud-based Unmanned Aircraft System Traffic Management approach for urban drones applications*
- #4138 Maggiore, Simone – *Transport models and sustainable mobility scenarios: the cases of Milano and Parma.*
- #4175 Abastante, Francesca – *Investigate Walkability: an evaluation model to support urban development processes*
- #4180 Simão, José – *How can regional authorities effectively support the transition to Electric and Connected Autonomous Vehicles? Introducing an explorative field study*

POSTER EXHIBITION

From Monday, 9th December to Friday, 13th December | NOISE Space

- #4111 Heidenreich, Michael – *Innovative technical solutions within EU-GUGLE and Store4HUC, pilot projects for historical centres*
- ~~#4121 Li, Xin – *Research on the Urban Waterfront Green Corridor Planning Based on the Sharing Conception – Taking the Changhe Area of Beijing as an Example*~~
- #4124 O’Hora, Padraig – *Better Energy Communities: Implementation of a Community Energy Grant Pilot Program in Ireland*
- #4127 Sergi, Giovanni – *Safe and sustainable communities*
- #4144 Teremranova, Jana – *Smart Approach to Management of Energy Resources in Smart Cities: Evaluation of Models and Methods*
- #4155 Olivato, Paulo – *From a networked society to a community protection network for dam situations*
- #4164 Pezzutto, Simon – *HotMaps – The open source mapping and planning tool for heating and cooling*
- #4190 Caneva, Silvia – *CitizEE Project – Scaling up Public Sustainable Investments via Citizen Financing Schemes*
- #4191 Stratmann, Antonia – *How can flexible public spaces contribute to the creation of resource- friendly cities?*
- #4205 Yang, Xiao – *Colorful or colorless? Study on Colorscape in the Perception of Authenticity of Historic District in Beijing, China*
- #4220 Re, Angela – *Low-carbon commodities from CO2 and waste feedstocks by engineering microbial factories*
- #4231 Balest, Jessica – *HEART project: the uptake of a new sociotechnical system*
- #4237 Lecca, Paola – *Network theory for the dynamics of weather extreme events*
- #4244 Rasheed, Fathimah – *Vulnerability Assessment Approach for Disaster Risk Reduction: Post Kerala Floods 2018*
- #4277 Petrikova, Lucia – *The Role of Community Innovation in Sustainable Urban Development*
- #4280 Holub, Jan – *Solar Panel and Harvesting Systems – Use Cases, Measurements and Reporting Methodologies*
- #4287 Nesi, Paolo – *Snap4city Platform to Speed Up Urban Policies*
- #4294 Avdiushchenko, Anna – *Circular economy in Poland: main achievements and future perspectives*
- #4411 Teremranova, Jana – *Smart Approach to Management of Energy Resources in Smart Cities: Evaluation of Models and Methods*