UERA Urban Europe Research Alliance H2020 Green Deal Call

28 October 2020, 10:00-12:00 CEST

Judith Borsboom (Locality/NTNU) Anne Ruas (Université Gustave Eiffel) Susanne Meyer (AIT Austrian Institute of Technology)

Agenda

10:00 – 10:10	Getting connected and welcome (Judith Borsboom)
10:10 - 10:20	UERA and upcoming meetings (Anne Ruas)
10:20 – 11:00	H2020 Green Deal Call (Susanne Meyer, Anne Ruas)
11:00 – 11:15	Driving Urban Futures Partnership and JPI Urban Europe's upcoming calls
	(Johannes Riegler)
11:15 – 11:30	EC developments (Judith Borsboom)
	- European City facility (EUCF)
	- EU Resilience and Recovery Facility
	- Just Transition Mechanism
	- EU Green Deal - Sustainable cities (renovation wave)
	- NEW: combining different funds
11:30 – 12:00	Q&A and next steps in proposal development (Judith Borsboom)

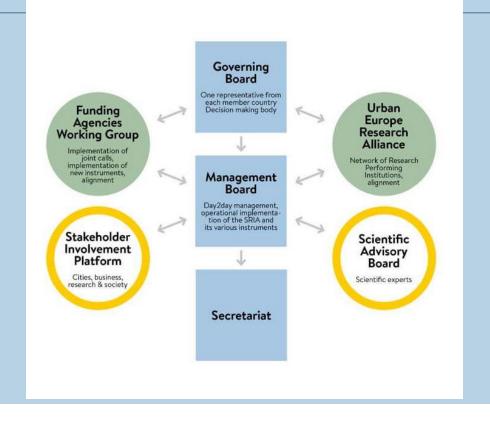
Housekeeping rules

- Please mute yourself to minimise background noise. You can later decide to unmute yourself when wanting to actively take part in a discussion. We are looking forward to your participation.
- You can participate and ask questions either by unmuting yourself or by using the chat box.
- You are kindly requested to turn the camera on if you start presenting or if you want to ask questions

UERA and next meetings

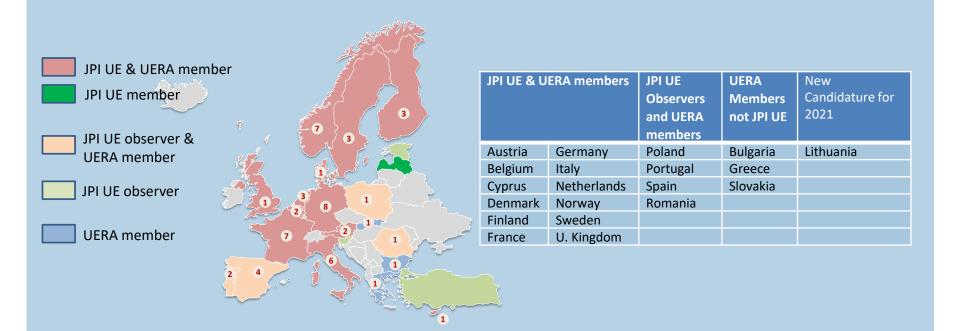


JPI Urban Europe





Network of research institutions and universities in urban domain: 19 countries, 55 members



Research field

- SRIA, SRIA 2.0
- Thematic working group :
 - TWG 1 Economy and welfare
 - Maria Beatrice Andreucci (University of Roma)
 - TWG 2 Environmental Sustainability
 - Edoardo Croci (Bocconi University) Stephen Venn (University Helsinki)
 - TWG 3 Accessibility
 - Alain L'Hostis (University Gustave Eiffel)
 - TWG 4 Urban Governance
 - Enza Lissandrello (University of Aalborg),& Pia Laborgne (EIFER)
 - TWG 2.1 Smart Cities
 - Monika Heyder (EIFER) and Gudrun Haindlmaier (University of Vienna)

Thematic Working Group 2 – activities

International workshop
How to achieve the SDGs through local action

Organised by GREEN-Bocconi University & Urban Europe Research Alliance (UERA) in collaboration with the Journal of Urban Ecology 27 November 2020, Milan (online event)

A selection of paper will be performed to be published on a special issue of the **Journal of Urban Ecology** will be selected.











The Sustainable City: An Integrated Perspective

University of Antwerp 23 - 27 August 2021

Summer school on interdisciplinary approaches to the sustainable city

Combination of lectures by external speakers and local staff, field trips, and discussion sessions.

Topics include:

- Infrastructure and mobility
- Water
- Air

- Energy and Waste
- Social Justice and Engagement

uantwerpen.be/sustainable-city



UERA CONFERENCE 2021 – Save the date!

What: International Conference

Rethinking the "New Normal" in an Urban Post-Pandemic World

Where: Aalborg University, Denmark

When: 14 & 15 April 2021

Call for Papers November 2020

Beyond the Compact City: New Models of Citizensfocused Cities

Governance Dilemmas for a Future Urban Democracy

Mini Publics and Deliberation after Social Distancing

Climate change and Citizens Participation

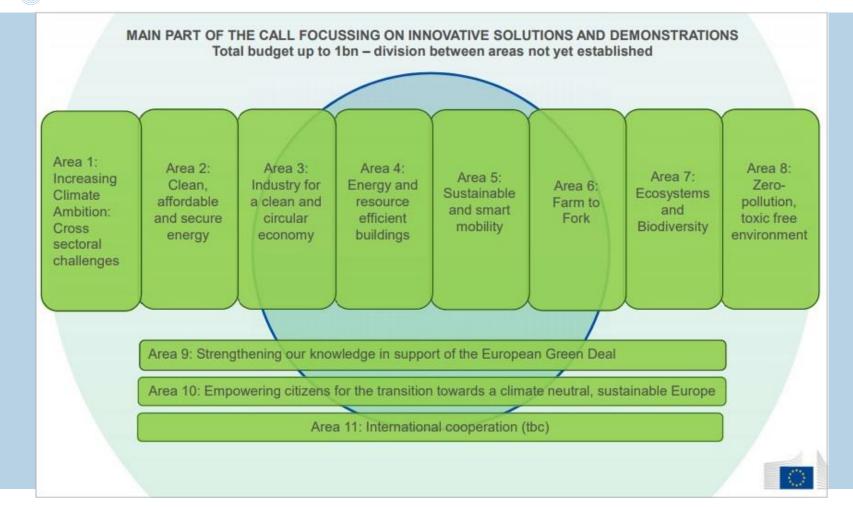
EU Green Deal Call



Green Deal context









Green Deal Call Time Line: DEAD LINE 26/01/2021

Green Deal Call - timeline

Finalisation of Call

- Ongoing work
- Launch of internal approval early July
- Formal adoption mid-September
- Open communication about progress

Proposal writing

R&I days 22-24
 September as ,meeting and partnering' opportunity

Deadline for project proposals end January

Evaluation to projects' start

- Evaluation spring 2021
- First projects to start summer 2021
- Projects have to sign agreements by 31/12/2021

Green Deal Call, some principles

- Between H2020 and Horizon Europe calls
- Objective :
 - Produce tangible results
 - Visible to citizen
 - Relative short time frame
- Strong focus on impacts

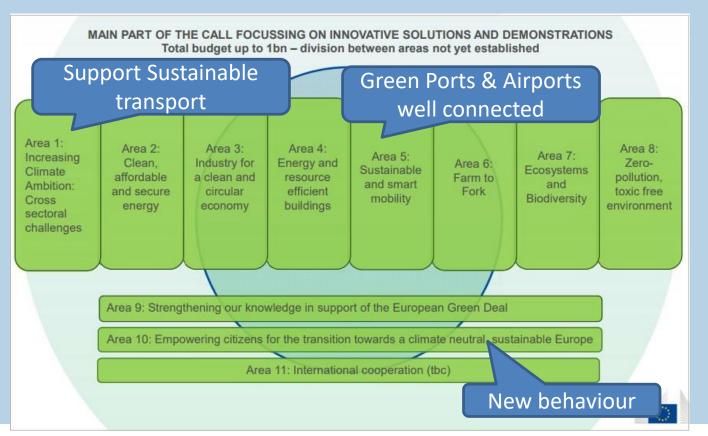


Find a partner



mpleSearch

Exam the areas to see the thematic content. Ex Mobility



Where to find urban subjects 1/3

Area 1: Increasing Climate Ambition: Cross sectoral challenges	Preventing and Fighting Wildfires Towards climate – neutral and socially innovative cities Demonstrating innovative solutions for resilience of regions to climate change
Area 2: Clean, affordable and secure energy	Demonstration of innovative critical technologies to enable future large-scale deployment of offshore renewable energy technologies and their integration into the energy system. Develop an demonstrate a 100 MW electrolyser upscaling the link between renewables and industrial applications
Area 3: Industry for a clean and circular economy	Closing the carbon cycle to combat climate change: renewable energy driven reduction of Co2 using innovative catalytic materials and technologies Demonstration of systemic solutions for the territorial development of circular economy

Where to find urban subjects 2/3

Area 4: Energy and resource efficient buildings	-Zero emissions built environment – building and energy and resource efficient way		-GD-4-1-2020
Area 5: Sustainable and smart mobility	-Green ports and airports: green aviation and ship	oping	
Area 6: Farm to Fork	-Testing and demonstrating high impact innovation system challenges in a place-based context.	ons to address food	
Area 7: Ecosystems and Biodiversity	-Restoring biodiversity and ecosystem sevices	LC-(GD-7-1-2020
Area 8: Zero-pollution, toxic free environment	-Mitigating the effects of persistent and mobile -Towards innovative regulation of chemical and mixtures:		

Where to find urban subjects 3/3

Area 9: Strengthening our knowledge in support of the EGD	 Reinforced R&I capacities and services to address European Green Deal challenges Developing end-user products and services for all stakeholders and citizens, supporting climate adaptation and mitigation Towards a transparent & accessible ocean (a Digital Twin of the Ocean)
Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe	 European capacities for citizen deliberation and behavioural change for the Green Deal LC-GD-10-1-2020 Empowering citizens to act on climate change through education, monitoring of their environmental impacts, and civic involvement
	LC-GD-10-2-2020 LC-GD-10-3-2020
Area 11: International cooperation	- Accelerating demonstration of clean energy solutions in Africa and the Mediterranean



AREA 1 increasing climate ambition

GD-1-1-2020 (RIA)	Towards climate neutral and socially innovative cities	53M€	Climat, transport, pollution, energy

LC-GD-1-2-2020 Towards climate neutral and socially innovative cities

- Set up a "one stop shop" platform (= build a European technical team) to assist cities wishing to transform towards climate neutrality and a society more oriented towards sustainable development.
- This is not a call to develop R&I projects by the winning project, but to constitute a multi-skilled team of various profiles (RTO, academics, industry, finance, etc.) to assist European communities.
 - All cities (not only the 100 best) can ask for advices

LC-GD-1-2-2020 Towards climate neutral and socially innovative cities

Expected impacts

- Complete methodology / model for cities wishing to achieve climate neutrality by 2030 (governance, citizen participation, social innovation, financial and political approaches, urban digital platform, etc.)
- Empower cities and local communities through social innovation for the implementation of the Green Deal;
- Put in place measures enabling climate neutrality by 2030 for the main participating cities and districts;
- Improved share of sustainable and active modes of transport. Reduce the negative externalities of urban and peri-urban transport: congestion, pollution and road collisions. Reinforced multi-modality and facilitation of the use of sustainable and clean modes of transport.



LC-GD-1-2-2020 Towards climate neutral and socially innovative cities

The winning team should be able to address 4 activities

- Activity 1: Climate action plans and innovation for the Green Deal
 - Develop indicators of the impact of climate action in cities
 - Develop methodologies for managing and controlling GHG emissions
 - Identify regulatory, institutional, governance, financial solutions
 - Help design a "climate city contract"
 - Innovations in terms of governance
 - Ensure a link between the cities involved in the "climate city contract", to share and disseminate the good practice

Activity 2: Preparation and financing of investment projects

- Provide information to cities to prepare financial investment for the transition to climate neutrality, in particular on solutions relating to European funds.
- Analysis and synthesis of knowledge and know-how developed by European platforms and partnerships.

LC-GD-1-2-2020 Towards climate neutral and socially innovative cities

Activity 3: Social innovation in civic engagement

- Help cities to test solutions resulting from European R&I (bringing together and testing solutions "in the field" at local level)
- Combine the existing results of European R&I with social innovation (testing solutions with local communities, changes in social practices and behaviors, etc.)
- Help strengthen citizen engagement activities (good practices, exchange of experiences, etc.)

Activity 4: R&I for the transformation towards climate neutrality of cities (20 to 30 pilots targeted -> 60% of the budget)

- Launch of large-scale calls for projects for the deployment of innovative solutions aimed at climate transition
- Assistance from towns with twinning of 2 other smaller towns facing specific difficulties and wishing to develop their own climate plan.



LC-GD-1-2-2020 Towards climate neutral and socially innovative cities

Important points :

- Systemic approach, Pluridisciplinary teams, large number of countries required (more than 20?)
- Required accurate knowledge :
 - On knowing the issues, on the means to respond to them. Emphasis on nontechnological skills (in addition to technological skills)
 - On the project-oriented "field" experience (being able to understand the problems encountered by cities and suggest avenues)
 - On the service capacity with all "customer" cities
- Ability to collaborate with the Commission and existing networks
 - Should complete existing platform, existing calls
 - Could link experts from existing platforms
- Ability to launch and follow calls (for activity 4)

Where to find urban subjects 2/3

Area 4: Energy and resource efficient buildings	-Zero emissions built environment – building and renovating in an energy and resource efficient way	0-4-1-2020
Area 5: Sustainable and smart mobility	-Green ports and airports: green aviation and shipping	
Area 6: Farm to Fork	-Testing and demonstrating high impact innovations to address food system challenges in a place-based context.	
Area 7: Ecosystems and Biodiversity	-Restoring biodiversity and ecosystem sevices LC-GI)-7-1-2020
Area 8: Zero-pollution, toxic free environment	-Mitigating the effects of persistent and mobile chemicals -Towards innovative regulation of chemical and pharmaceutical mixtures:	

LC-GD-4-1-2020 Building and renovating in an energy and resource efficient way

- Decarbonisation by 2050: role of the buildings sector
 - Buildings as zero-emission / zero-pollution, positive energy powerhouses within green neighborhoods
 - Design and construction to reduce embodied emissions and operational energy efficiency
 - Transition to energy positive buildings using renewable energy
 - Creation of green neighborhood "living labs"
- TRL5-6 => 7-8

Building and renovating in an energy and resource efficient way

LC-GD-4-1-2020

IA Innovation 60 M € action

Energy

LC-GD-4-1-2020 Building and renovating in an energy and resource efficient way

- At least two (residential and non-residential, new and/or retrofitted) large-scale demonstrations in different regions of Europe.
- Design of green, positive energy neighbourhoods embedded in sites' context
- Energy and resource efficient construction/renovation workflows for off-site manufacturing, reducing embodied energy and occupant disruption.
- Ensure replicability, long-term performance (maintenance, air quality etc), potential for future adaptation, reuse or deconstruction.
- No negative effects on fire and seismic safety

LC-GD-7-1-2020 Restoring biodiversity and ecosystem services

Specific objectives :

- Large-scale demonstrators for replication and upscaling using innovative methods (technological or not, social, governance, sustainable finance)
- Solutions adapted to the local context, depending on demand
- Test incentive mechanisms in all areas of the bioeconomy to encourage lower emissions
- Implement NBS in urban, peri-urban, rural, marine areas (one of them)
- Show how ecosystem restoration can encourage behavioral change and improve the adaptability of communities to changes
- Maximize synergies by avoiding compromises between biodiversity and CC adaptation / mitigation



LC-GD-7-1-2020 Restoring biodiversity and ecosystem services

Important point :

- Should include Governance, policy making
- Citizen participation in restoration actions, better understanding and civic engagement to encourage connection with nature
- Solutions to be developed in conjunction with the most vulnerable regions and communities: supporting a just transition taking into account socio-economic conditions, improving resilience in the face of change

Should make links to existing project on NBS such as :

- Oppla: EU Repository of Nature-Based Solutions –
- NetworkNature, Advancing nature-based solutions together
- CLEVER Cities, Co-designing Locally tailored Ecological solutions for Value added, socially inclusivE Regeneration in Cities



LC-GD-7-1-2020 Restoring biodiversity and ecosystem services

Restoring biodiversity and ecosystem services

LC-GD-7-1-2020

IA Innovation action

80 M €

Observatories are eligible

Where to find urban subjects 3/3

Area 9: Strengthening our knowledge in support of the EGD	 Reinforced R&I capacities and services to address European Green Deal challenges Developing end-user products and services for all stakeholders and citizens, supporting climate adaptation and mitigation Towards a transparent & accessible ocean (a Digital Twin of the Ocean)
Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe	 European capacities for citizen deliberation and behavioural change for the Green Deal LC-GD-10-1-2020 Empowering citizens to act on climate change through education, monitoring of their environmental impacts, and civic involvement
	LC-GD-10-2-2020 LC-GD-10-3-2020
Area 11: International cooperation	- Accelerating demonstration of clean energy solutions in Africa and the Mediterranean

Area 9 Infrastructure and energy

European Research Infrastructures capacities and services to address European Green Deal challenges

LC-GD-9-1-2020

RIA Research and Innovation action

28 M €

Area 9 Infrastructure and social science

Developing end-user products and services for all stakeholders and citizens supporting climate adaptation and mitigation

LC-GD-9-2-2020

RIA Research and Innovation action

25 M €

Area 10 Social Science & transport

European capacities for citizen deliberation and participation for the Green Deal

LC-GD-10-1-2020

RIA Research and Innovation action

10 M €

Behavioural, social and cultural change for the Green Deal

LC-GD-10-2-2020 RIA Research and Innovation action

10 M €

Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement

LC-GD-10-3-2020

IA Innovation action

25 M €

LC-GD-10-1-2020: European capacities for citizen deliberation and participation for the Green Deal

RIA Research and Innovation action (single-stage, budget per project 3-5M in total 10 M EUR); Deadline: **26 January 2021**

Scope:

- Actions should establish transnational networks of experts, researchers, practitioners and relevant civil society organisations specialised in deliberative democracy and civic participation across Europe,
- share good practice, tools and resources and implement participatory and deliberation
 processes on priority issues in order to deliver on the Green Deal, both at the level of local
 communities and at wider scale.
- Specific topics for deliberation should be co-decided with the European Commission services involved in implementing the Green Deal. They should support major EU actions where public participation is key.
- National and local governments and administrations should be closely associated from an early stage
- Consortia should choose a basket of qualitative and quantitative indicators to measure the impact of their work and are encouraged to make use of MoRRI indicators

LC-GD-10-2-2020: Behavioural, social and cultural change for the Green Deal

RIA Research and Innovation action (single-stage, budget per project 3-5M in total 10 M EUR); Deadline: **26 January 2021**

Scope:

- should address **behavioural change at individual and collective levels**, including public and private organisations, as well as broader changes in social practices related to the European Green Deal
 - establish transnational and transdisciplinary networks of experts, researchers, pr actitioners and relevant civil society organisations
 - jointly analyse social practices and behavioural change processes and implement relevant experimentation on priority issues to deliver on the European Green Deal.
 - Actions should include several experimental studies, each implemented in at least four Member States and/or Associated Countries.
 - actions should be accompanied with comparative research and feedback to ensure continuous monitoring and learning, foresee robust impact evaluation methods and take account of possible trade-offs, unintended consequences or rebound effects.
- All relevant factors of behaviour change should be considered (call for transdisciplinary approach)

LC-GD-10-2-2020: Behavioural, social and cultural change for the Green Deal

- Several foci of behaviour and mind-set are at play in interconnected ways: concerns for: personal health and well-being; for the planet; for decent work; for fairness and solidarity, etc. Ways of combining individual, collective socioeconomic and environmental benefits should be sought wherever possible.
- Special attention for disadvantaged and vulnerable social groups and communities most affected by the transition
- Combine environmentally friendly, circular habits with practices that are detrimental to both their own health and to the environment but to which they see no feasible alternatives.
- Address differences of perception (in different regions of the EU, among different social groups, across genders and various age groups) of the urgency of the climate change and other environmental issues, on the most appropriate measures needed

LC-GD-10-3-2020: Enabling citizens to act on climate change, for sustainable development and environmental protection

IA Innovation Action (single-stage, budget per 3-5M, 25 M in total); Deadline: 26 January 2021

Challenge: Changes in citizen's and consumer's behaviours towards more sustainable patterns (especially the young generation), directly involvement of citizens

Scope:

Subtopic 1: Enabling citizens to act on climate change and for sustainable development through education

- Task to develop and test a multidisciplinary European competence framework for the development and assessment of knowledge, skills and attitudes of citizens and in particular young people on climate change and sustainable development.
- Proposals 3-5 Mill EUR projects are expected

Subtopic 2: Enabling citizens to act on climate change and for sustainable development through better monitoring and observing of the environment and their environmental impacts

- engage and empower citizens and consumers with concrete tools to monitor their impacts on the environment, to collect information enabling them to change their behaviour
- Deliver example how to engage a variety of stakeholders in climate change
- Proposals 3-5 Mill EUR projects are expected

Driving Urban Transitions Partnership and upcoming JPI Urban Europe Calls

Other EU sources of funding for research and innovation (Judith Borsboom)

- European City facility (EUCF)
- EU Resilience and Recovery Facility
- Just Transition Fund
- EXPECTED SOON:
 - EU Green Deal Sustainable cities (renovation wave)
- NEW: Combination of different funding sources

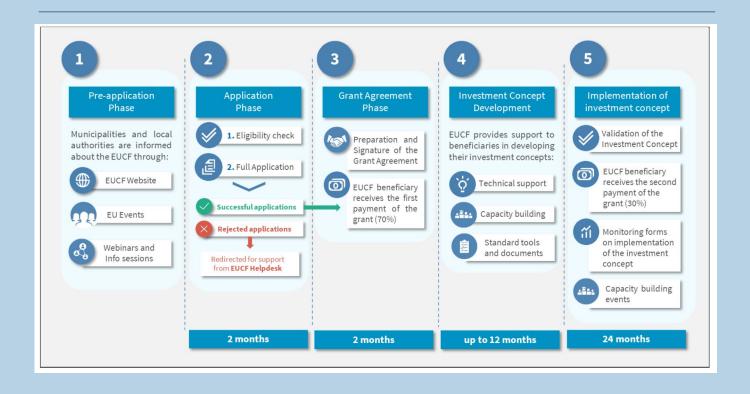
Judith.Borsboom@locality-eu.nl

European City Facility

- Call is managed by Climate Alliance, Energy Cities, FEDARENE, Enviros and Adelphi
- Focus on transition and innovation, no research component
- Proposal to be submitted by local authorities or group of municipalities
- Having a SE(C)AP or similar is mandatory
- Fairly light process but political support is key!
- 60.000 Euro lump sum to develop a so-called investment concept
- Country expert helps with preparation of the application
- Budget can be spent on hiring employees or consultants
- Cut-off dates: March/April 2021, October/November 2021, March/April 2022
- URL: https://eucityfacility.eu/home.html



EUCF Journey



Investment concept

- Document translating an investment project idea into financial language to mobilise finance for its realisation
- Bridges the gap between ambitious climate and energy plans and maturity of investment projects, provides investors and financial institutes immediately with the right information
- Template consists of:
 - Summary/ elevator pitch
 - Description of planned investment project
 - Promotors en local stakeholders
 - Legal analysis
 - Economic and financial analysis
 - Investment roadmap
- English or national language
- Interesting for universities and research institutes who can help cities develop the investment concept, e.g. construction technology, real estate, sociology, business schools, and moderate stakeholder processes

European Resilience and Recovery Facility

- € 312,5 Billion in grants and € 350 Billion in Loans
- Mitigate the effects of the coronavirus
- <u>Main challenges have been identified per country</u> in so-called European Semester
- Investing in green, digital and social resilience, creating jobs and sustainable economic growth
- Anchored in national Recovery and Resilience Plans
- 15/16 September approved in Europarlement
- Contact national authority
- Might be interesting for valorisation of research and innovation with cities and stakeholders comparable to Horizon2020 SCC-01 lighthouse projects

Areas encouraged in national Recovery and Resilience Plans:

- 1. Power up The frontloading of future-proof clean technologies and acceleration of the development and use of renewables.
- 2. Renovate The improvement of energy efficiency of public and private buildings.
- Recharge and Refuel The promotion of future-proof clean technologies to accelerate the use of sustainable, accessible and smart transport, charging and refuelling stations and extension of public transport.
- Connect The fast rollout of rapid broadband services to all regions and households, including fiber and 5G networks.
- 5. Modernise The digitalisation of public administration and services, including judicial and healthcare systems.
- 6. Scale-up The increase in European industrial data cloud capacities and the development of the most powerful, cutting edge, and sustainable processors...
- 7. Reskill and upskill The adaption of education systems to support digital skills and educational and vocational training for all ages.

Just Transition Mechanism

- € 17.5 billion
- Alleviate the socio-economic impact of the transition in regions dependent upon carbon intensive fuels and industry
- Project's contribution to climate transition a +
- Dedicated scheme under InvestEU
- Public sector loan facility by EIB and technical assistance
- Calls per member state
- Proposed Territorial Just Transition plans must be submitted in 2021 by member states
- Project must contribute to Territorial Just Transition Plans
- Universities and research institutes might co-design such projects and bring in their knowledge on the socio-economic impact of the transition, new value chains and business models, etc (e.g. sociology, economy, business schools, architects)



EXPECTED: European Renovation Wave

- Boost the energy transition: 80% of today's buildings will still be in use in 2050 and 75% of this stock is energy inefficient, despite EPBD, while renovation rates stick around 1%
- Focus on the building sector and faster and deeper renovation at district and city scale – address barriers from EEFIG
- Impact on energy performance of buildings, energy poverty and employment and linked to Green Deal and Recovery funds
- October 2020, the Commission plans to adopt and publish a strategic Communication and an action plan on the initiative for the next years:
 - covering concrete legislative and non-legislative measures and enabling tools, financing and non-financing aspects
 - taking into account different levels of action at EU, national and local or regional level
- Integrated approach!

Important aspects European Renovation Wave:

- How to stimulate volume and depth of renovation through regulatory and nonregulatory instruments, e.g. district scale
- Facilitating access to mechnisms to support the mobilisation of investments, e.g. easier blending public and private funding
- Tackling worst performing buildings and energy poverty, e.g. data mapping to identify worst energy performance and energy poverty
- Public sector and public buildings leading by example, green procurement, hospitals and schools
- Supporting skills and employment strategies, e.g. strengthen skills
- Driving smart technologied in buildings, digital and data aspects, e.g. e-vehicles charging infrastructure
- Research might provide analyses on energy performance of buildings and energy poverty (e.g. sociology, economy, GIS-analysis, energy specialists, construction technology)

NEW: Combination of different sources of funding

- Rules on state aid have been relaxed
- 10 different sources of funding can be mutually combined for coupling research and innovation to stimulate urban economies and local growth
- In collaboration with local and regional authorities this offers enormous potential leverage
- EIP-SCC Action Cluster Integrated Planning, Policies and Regulations will organise a webinar this Autumn, welcome to join!

New EC programming period 2021-2027: the European Urban Initiative

- Number and intensity of challenges facing urban areas will be more pressing in the future
- 'Future of Cities' report published in June 2019 https://ec.europa.eu/jrc/en/publication/eurscientific-and-technical-researchreports/future-cities
- Cities need to scale up cooperation, seek new solutions, share knowledge, provide for bottom-up evidence-based policy making

- Improved governance, higher effectiveness & efficiency is necessary
 - Tackling fragmentation of support offered to cities



Objective of the European Urban Initiative

European Urban Initiative (EUI) – overall objectives

- Strengthen integrated and participatory approach to sustainable urban development
- Provide a stronger link to EU policies, and in particular, to Cohesion Policy investments

ERDF/CF Article 10 European Urban Initiative

- 2. The European Urban Initiative shall consist of the following three strands, all with regard to sustainable urban development:
- (a) support of capacity-building;
- (b) support of innovative actions;
- (c) support of knowledge, policy development & communication.

Upon request from one or more Member States, the European Urban Initiative may also support **inter-governmental cooperation on urban matters.**

Cooperation and synergies

- Interreg: potential for functional areas that require crossborder or transnational cooperation
- **ESF+:** integrated development in deprived neighbourhoods and social inclusion in local development
- EAFRD, EMFF: integrated strategies in rural and coastal areas, in particular multi-funded CLLDs
- Horizon Europe: development and testing of novel technologies, including the novel mission area 'Climatenatural and Smart Cities'
- InvestEU: market-based support for integrated strategies (Urbis)
- Technical assistance, TAIEX REGIO PEER 2 PEER, etc.

Q & A and next steps towards proposal development (Judith Borsboom)

- Any questions to the presenters?
- Interests to participate and first ideas?
- What is needed to enable UERA researchers for successful submission?