

International Brokerage Event  
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# Description of the Organization

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Established in 1902, Università Bocconi is a university of international standing in business, economics and law. Its research projects are funded by national and supranational institutions. Pure and applied research takes place in each of the disciplinary areas of the University, through its Departments, Research Centers and the SDA Bocconi School of Management. In particular, **IEFE - Centre for Research on Energy and Environmental Economics and Policy**, is the research centre which co-ordinates and conducts applied research in the following fields:

- **Energy economics**, focusing on energy markets as well as on natural resources;
- **Environmental economics**, focusing on environmental and climate policy, analysis and evaluation;
- **Economics of public utilities** focusing on energy, water and waste services.

# Description of the your research interest



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IEFE-Bocconi University is involved in several European and national projects, and participates in international research networks such as **EERA Joint programme on Smart Cities, Urban Europe Research Alliance (UERA)** and the **UN Sustainable Development Solutions Network (SDSN)**.

Urban policies for climate change, sustainability and smartness are key research areas for IEFE-Bocconi. Among the main activities carried out in the field we can include:

- Analysis of urban **GHG emissions** inventories and climate change mitigation policies of global cities;
  - Analysis of **multi-level governance** models for sustainable energy within the European project “**Coopenergy**”;
  - **Energy efficiency policies and barriers** within the European project “**Heron**”;
  - Launch of a **Working Group on Smart Cities** and a **Green Economy Observatory** within Bocconi University, which has involved municipalities, companies in the sectors of smart technologies and services, environmental and energy agencies;
  - **Economic assessment of nature-based solutions** within the Horizon2020 project **URBAN “GreenUP”** aimed to demonstrate innovative methodology to re-naturing cities through NBS interventions towards the urban adaptation to climate change;
  - **Smart city policies** analysis within the Horizon2020 **Lighthouse project “MatchUP”** aimed to deploy innovative solutions and strategies in the energy, mobility, ICT sectors.
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# Research Team

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**Edoardo Croci:** Research director at IEFE Bocconi, his research activity deals with environmental policy and management, sustainability and climate change policies. He was project manager of several European and national research projects focusing on urban areas. Currently he is responsible for the IEFE team involved in Horizon2020 projects “**Heron**”, “**UrbanGreenUp**” and “**MatchUP**”. He is also coordinator of IEFE’s Observatory on Green Economy. He is member of the Management Committee of the COST Action “**INOGOV – Innovations in Climate Governance**”. Among his past activities, he served as Milan City Councillor for Mobility, Transportation and Environment, as President of the Environmental Protection Agency of Lombardy and vice-president of FEDARENE (European Federation of Regional Energy and Environment Agency).

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# Research Team



**Tania Molteni:** Senior Research fellow at IEFE Bocconi, geographer, her research activities are focused on urban sustainability as well as on regional and local policies for climate change mitigation and adaptation, and in particular on GHG emissions reporting and GHG reduction strategies planning. She is currently involved in the activities of IEFE’s Observatory on Green Economy and in the COOPENERGY project.



**Denis Grasso:** Research fellow at IEFE Bocconi, Urban Planner. His researches activities are focused on Climate Change (both mitigation and adaptation) and local and urban sustainable policies. Within IEFE he is working on different European and Italian projects, as well in the Observatory on Green Economy, developing in particular skills on policies and measures environmental assessment.



**Benedetta Lucchitta:** Research fellow at IEFE Bocconi, Urban Planner. Her researches activities are focused on ecosystem services, urban resilience and local and urban sustainable policies. Within IEFE she is working on different European and Italian projects (sustainable energy action plans), as well in the Observatory on Green Economy analysing policies and measures for sustainable environmental and urban development.

# Horizon2020 Smart, Sustainable and Resilient Cities and Energy Efficient Buildings” topics



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We are interested in the following 2018-2020 “Smart, Sustainable and Resilient Cities and Energy Efficient Buildings” calls:

- *Smart Cities and Communities;*
- ***Resilience and sustainable reconstruction of historic areas to cope with climate change and hazard events;***
- *Demonstrating systemic urban development for circular and regenerative cities;*
- *Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems;*
- *Visionary and integrated solutions to improve well-being and health in cities.*

# 2018 CALL TOPIC: Resilience and sustainable reconstruction of historic areas to cope with climate change and hazard events



Our main objectives are:

- to develop and test innovative, sustainable, cost-effective resilient cities **business models** in **Mediterranean area**;
  - to develop, deploy and validate innovative and effective tools, information models, strategies and plans for enhancing the **resilience of urban areas** to cope with disaster events, vulnerability assessment and reconstruction;
  - To develop and implement more effective, integrated and evidence-based **nature-based conservation strategies** in order to improve Mediterranean historic cities protection to climate changes;
  - To **increase investments in nature-based solutions** and ecosystem conservation to support climate change adaptation and mitigation strategies in historic Mediterranean urban areas.
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- Expected results
    - enhanced resilience and **reduce vulnerability of historic urban areas** to climate change and natural hazards using effective and cost-efficient **nature-based-solutions**;
    - improved reconstruction and economic and social recovery of historic urban areas by local authorities and communities through the use of **innovative business models** and **technical/social solutions**.

# Consortium - required partners



| No | Expertise                         | Type | Country | Role in the projects  |
|----|-----------------------------------|------|---------|---|
| 01 | Universities/<br>Research Centres | UNI  | \       | Universities/research centres interested in <b>urban policy analysis</b> , with competences on policy innovation, on low carbon and smart technologies with particular focus on urban applications, as well as with competences in socio-demographic analysis, GIS analysis, big data analysis. |
| 02 | Companies                         | SME  | \       | Medium to big industries working on the themes of <b>Smart and Low Carbon Cities</b> , on <b>low carbon and smart technologies</b> with particular focus on urban applications and on <b>data/big-data analysis</b> .   |



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