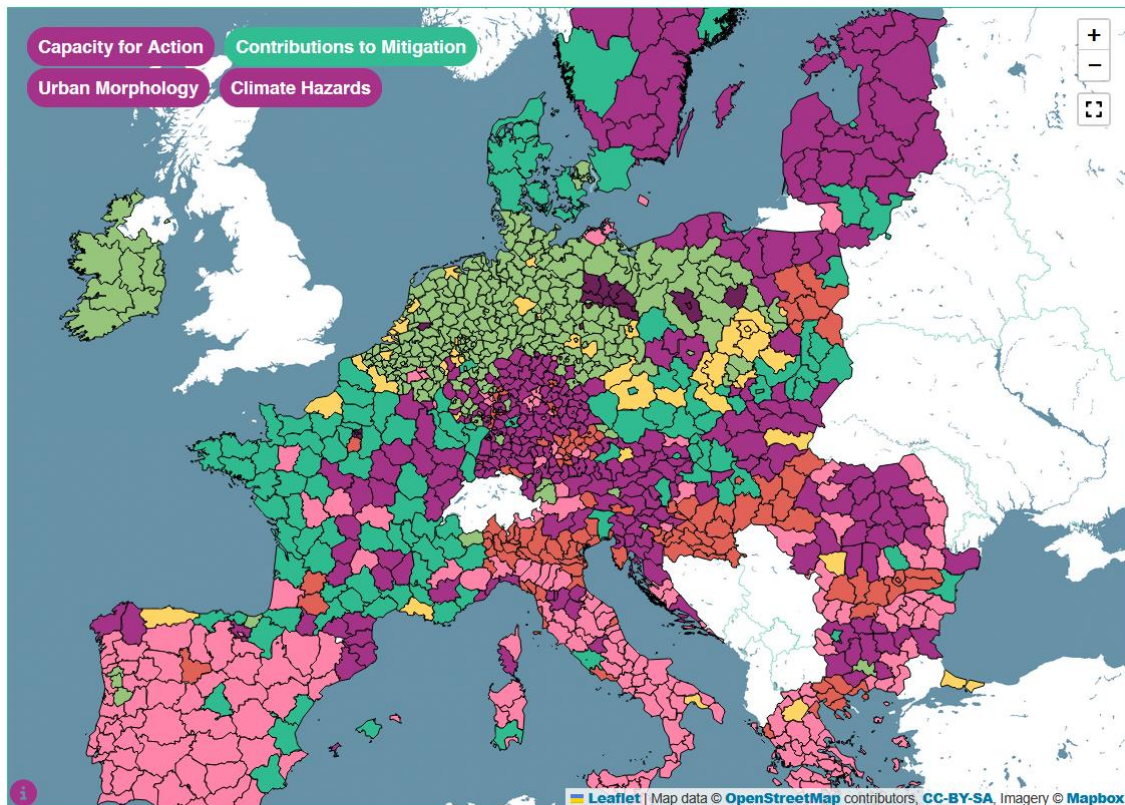


Urban Typologies

Systematic support for scaling up climate action across NUTS-3 units in the EU



Legend

Capacity for Action

- Moderately urban western European regions
- Moderately urbanized and transitional regions
- Developing economies with high environmental value
- Strong economic centers
- Touristic destinations
- Remote regions with large vulnerable age groups

Contributions to Mitigation

- PV as the sole potential in highly urbanized small cluster
- High potential for renewables and high CO₂ emissions
- Very high renewable energy potentials and very low sectoral emissions in southern Europe
- High solar power potential, low sectoral emissions in southern continental
- High industrial emissions and average renewable potential
- Carbon sinks and wind power potential in northern Scandinavia
- High potential for renewables and lower CO₂ emissions
- Highest wind potential in contiguous European lowlands

Urban Morphology

- High-density urban centres with minimal green spaces
- Moderate-density regions with open spaces
- Steep urban profile with ample green spaces and little industry
- Very steep urban profile with extensive green spaces and little industry
- Flat urban-industrial hubs with low green coverage

Climate Hazards

- Complex hazard combination in low-lying central Europe
- Complex hazard combination in low mountains in central Europe
- Greatest heat hazard, and wildfire risk in southern Europe climate
- Heat hazard and air pollution in lowlands and basins in southern and eastern Europe
- Most pronounced dryness, alongside high heat hazard and wildfire, in southern Europe
- Wet conditions and low heat stress in northern latitude
- Wetter conditions with landslide and flooding in mountainous regions
- Highest exposure to flooding in pockets of Europe
- Extreme flooding and sea-level rise exposure in urbanized low-lying coastal area

<https://urbanplanningfor2030.eu/form/urban-typologies>

What are the Urban Typologies?

A typology is a method used to categorise entities according to shared characteristics. The UP2030 Urban Typologies framework classifies European NUTS-3 regions based on features related to urban planning, climate change mitigation, and adaptation. By grouping European cities and regions with similar attributes, the Urban Typologies aim to support these areas in identifying relevant strategies for achieving climate neutrality and resilience – and transferring these strategies between them.

The UP2030 project has developed four distinct Urban Typologies, each grouping NUTS-3 regions based on similarities in specific characteristics.

Typology example 1: Contributions to mitigation

- Identifies regions with comparable greenhouse gas emissions from buildings, industry and transport, as well as wind and solar energy potential
- Assesses the proportion of forests and wetlands within each NUTS-3 region, highlighting their role in carbon sequestration
- Enables cities and regions to identify emission-intensive sectors and explore options for mitigation measures

Typology example 2: Climate hazards

- Examines prevalent climate-related hazards and levels of exposure
- Supports cities and regions in recognising hazards with potentially severe impacts and prioritising areas for climate action

What are they for?

The Urban Typologies enable regions and cities with similar selected opportunities and challenges regarding achieving net zero emissions and increasing resilience to identify one another, collaborate and learn from each other. Each typology highlights common challenges and opportunities within its clusters, as well as key areas for action. In doing so, the framework empowers urban planners and EU level decision-makers alike to identify strategic priorities and scale climate action more effectively.

Key objectives

- 1) Identify similarities between regions to foster collaboration
- 2) Encourage knowledge-sharing of effective solutions, especially between regions and cities sharing similar opportunities and challenges
- 3) Support urban planners and decision-makers in tackling climate change by identifying key challenges, opportunities and action areas with high relevance for future measures in specific clusters

Links

The [urban typologies online](#) include the map, overview, challenges, opportunities, action areas for each of the 5-9 groups for each of the four typologies.

For advanced users, the full methodology is available [here](#).

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