EUKN Policy Lab ‘Urban Planning for Resilience’ : Zagreb, Croatia

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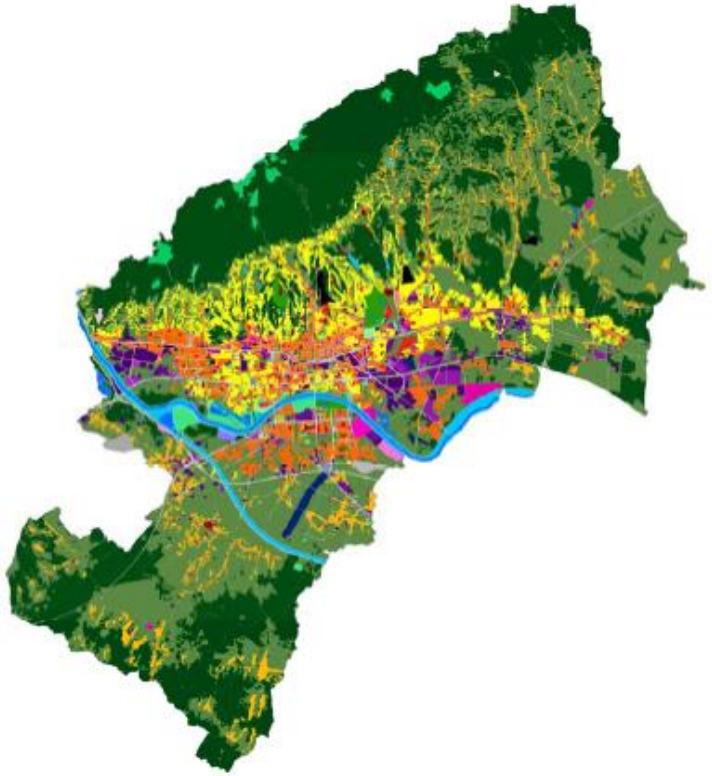
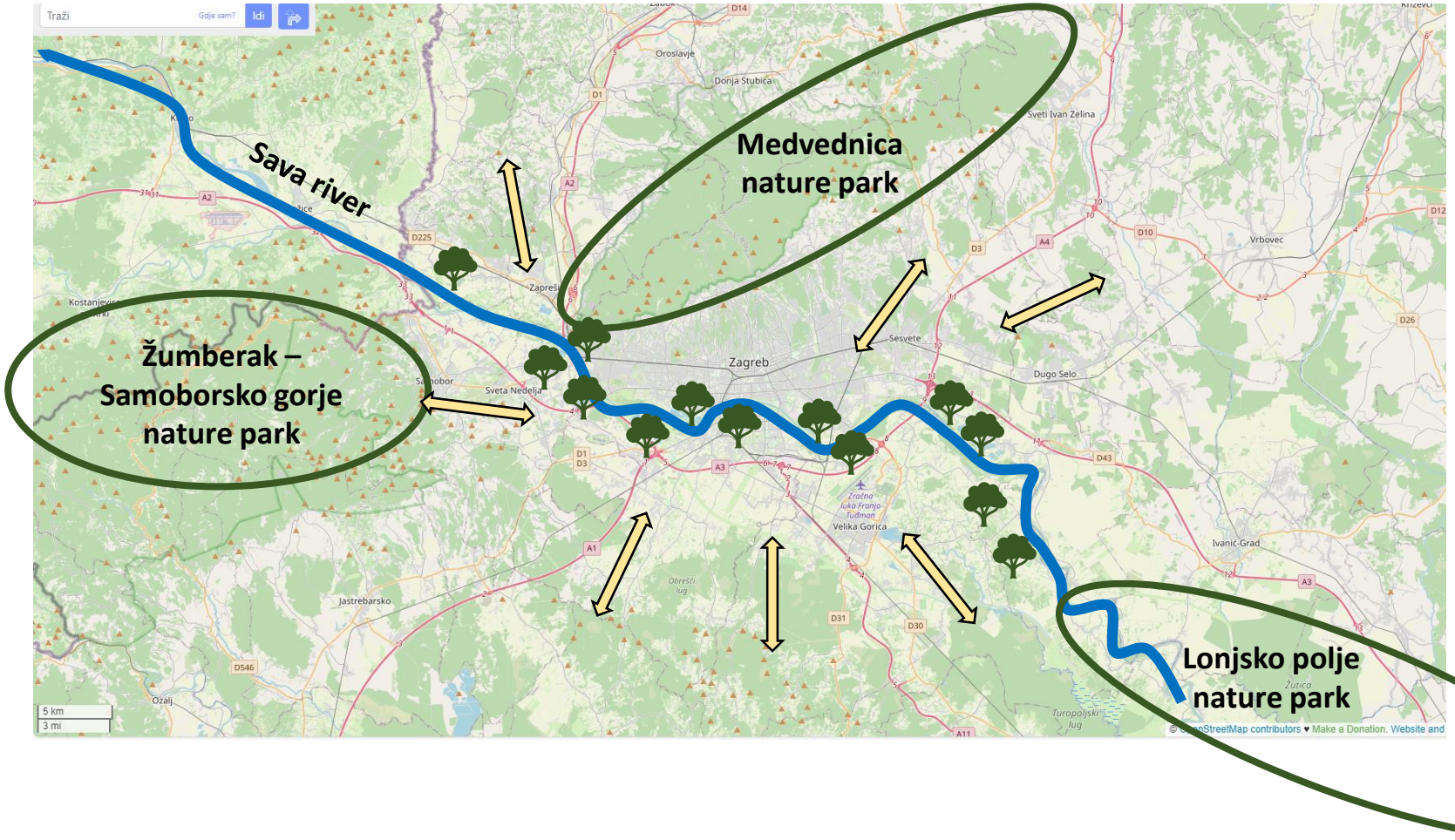
24 October 2023

zavod za prostorno uređenje grada zagreba

Zagreb: basic data





No. of inhabitants, 2021:
City of Zagreb: 767.131
City of Zagreb + Zagreb County: 1.067.116

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Zagreb earthquake of 1880

Zagreb earthquake
November 9, 1880
Magnitude 6.3

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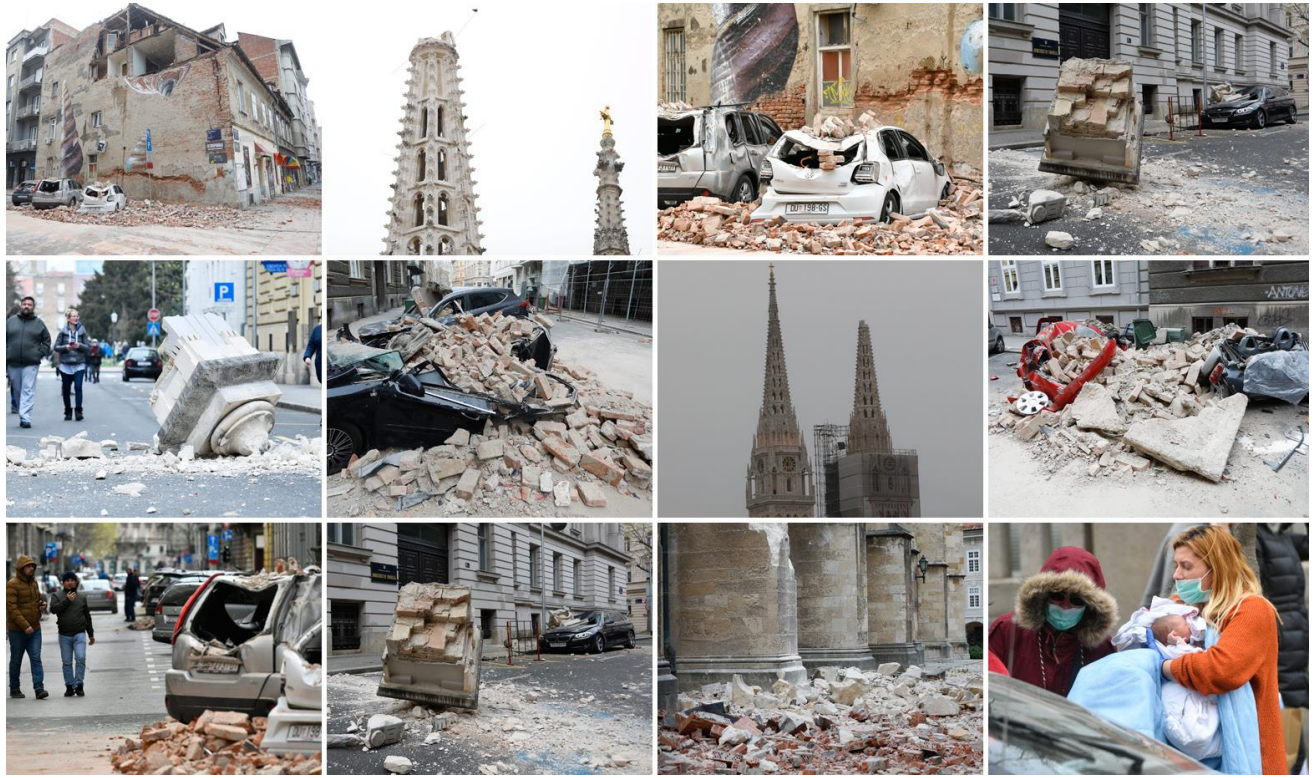
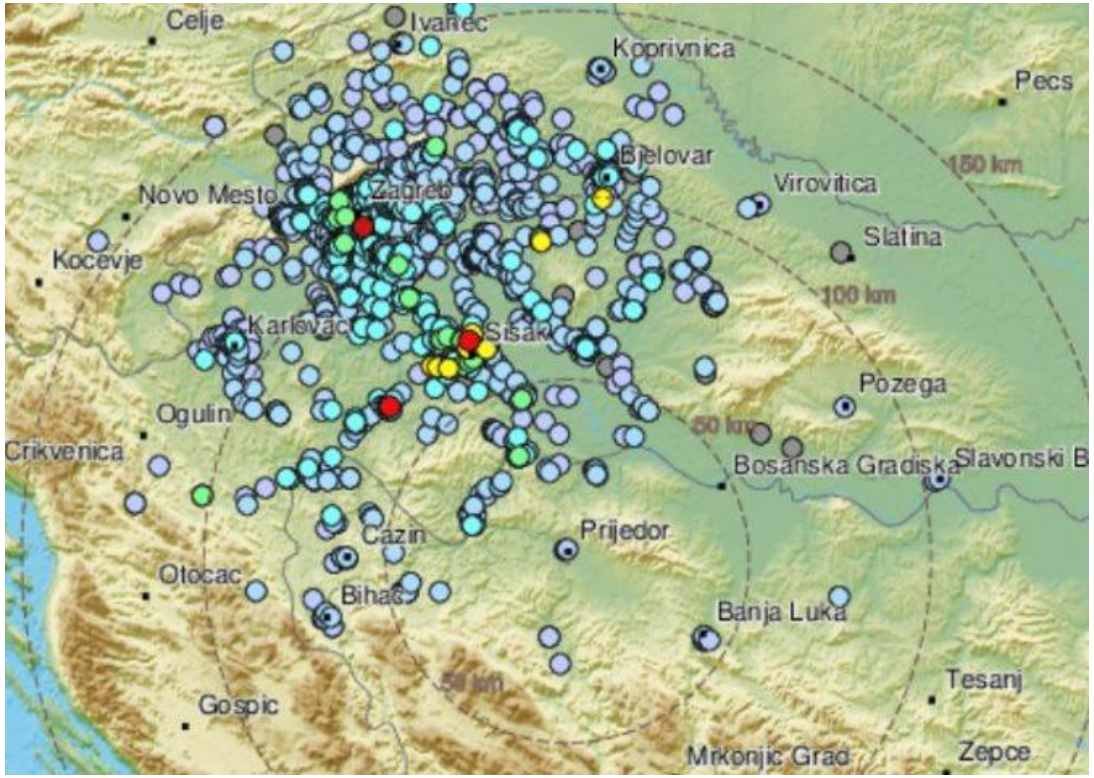
Zagreb earthquakes of 2020



Zagreb earthquake
March 22, 2020
Magnitude 5.5



Series of Petrinja earthquakes
December 29, 2020
Magnitude 6.2

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Comprehensive Renovation Program of the Historic Urban Core of Zagreb

Natural disaster as a trigger and accelerator for urban renewal

- ..." it is not only about the restoration of houses and monuments, but also about the restoration of the living habitat for 37,000 residents, because without them the city is just an empty shell.
- The reconstruction of Zagreb should by no means be just the sum total of the reconstruction of individual buildings, but the image of the city, the multitude of its faces that make up its identity must be restored..."
- (Branko Kincl, HAZU, Croatian Academy of Arts and Sciences, 16 April 2020)

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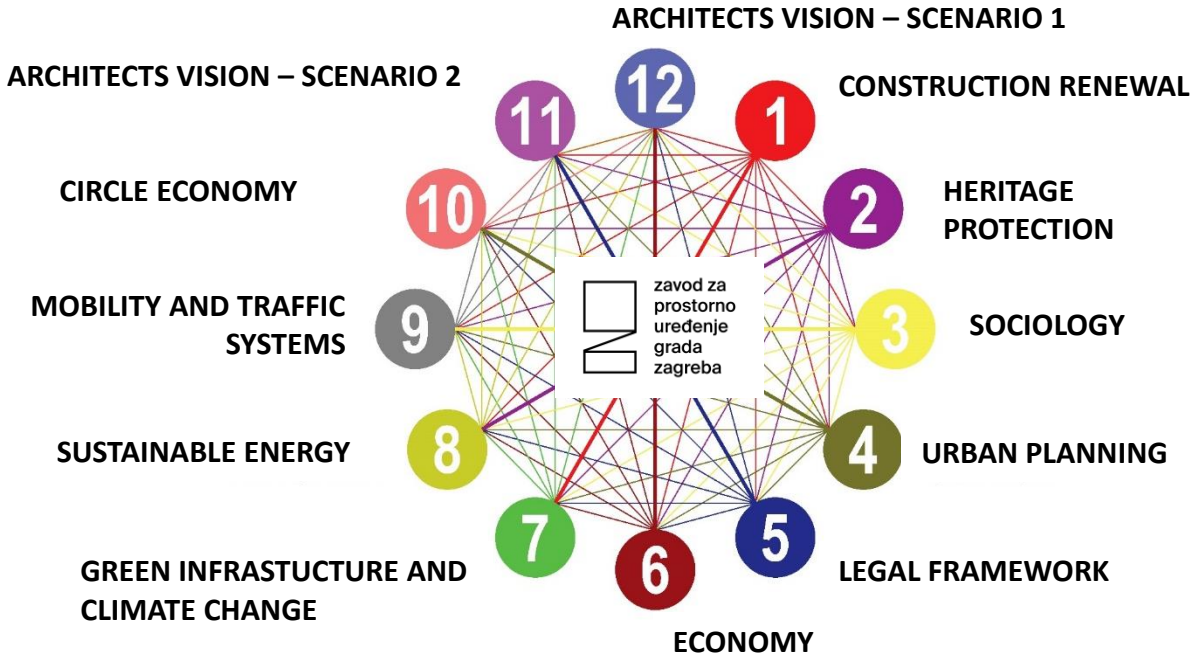
Comprehensive Renovation Program of the Historic Urban Core of Zagreb

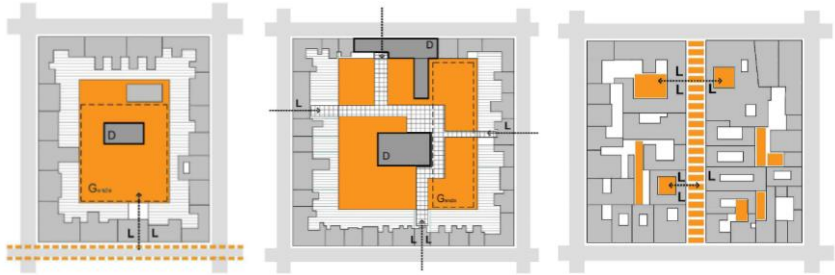
- Vision of urban renewal - **GreenCenter 2050**

- Sociodemographic **vitality**, social cohesion and social justice
- **Identity**, ambiental characteristics and recognisability of the city center
- Climate change resilience and **climate neutrality** using NBS
- Energy transition and economy development on basis of and circular economy

- Transit (freight and car) **traffic restriction** for the historic core;
- Electrification of transport systems
- **Redefining the traffic network** - forming zones of traffic calming

- **Biodiversity increase** (biosolar roofs, canopies);
- **Water management** (rain gardens, green roofs, public fountains,...);
- Introduction of **natural terrain standards** on the plot, construction of green roofs
- Enabling **temporary shading of public areas** – increasing tree canopy cover





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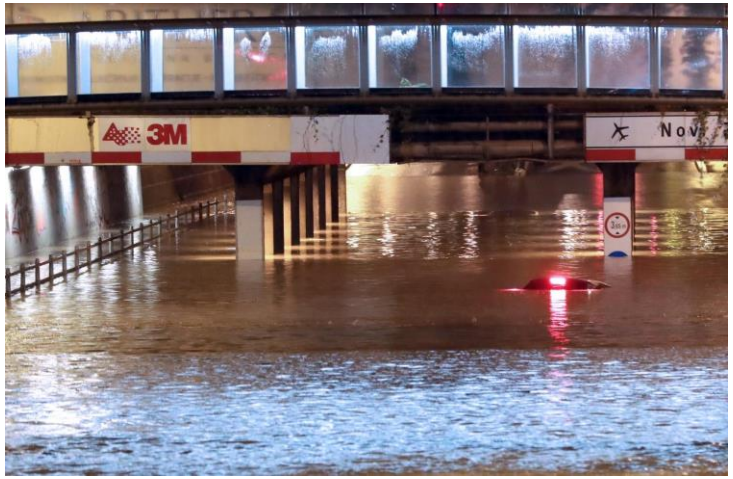
Other wake-up calls



Urban pluvial flood
July 2020

Extreme weather
July 2023

Sava high water level
August 2023

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Development Guidelines for Spatial and Urban Plans

Urban planning documents are one of the main instruments for enforcement of climate and sectors policies since they cover all spatial aspects and fields.

Low Carbon Development Guidelines Proposition for Spatial and Urban Plans

- early participatory process
- green mobility
- energy transition
- use of sustainable materials and circular economy
- green infrastructure & NBS
- risk assessment and management, resilience and adaptation
- urban regeneration and renaturalization

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Thank you for your attention

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