

Integrated energy and climate planning – Implementation of SECAP measures in Croatia

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Construction

Architecture

Green
infrastructure
and climate

(Green)
Energy

Cultural
heritage

Urbanism

Circular
economy

Transport

Ownership
and law

Sociology,
citizens and
stakeholders

Infrastructure



SECAP



Now?



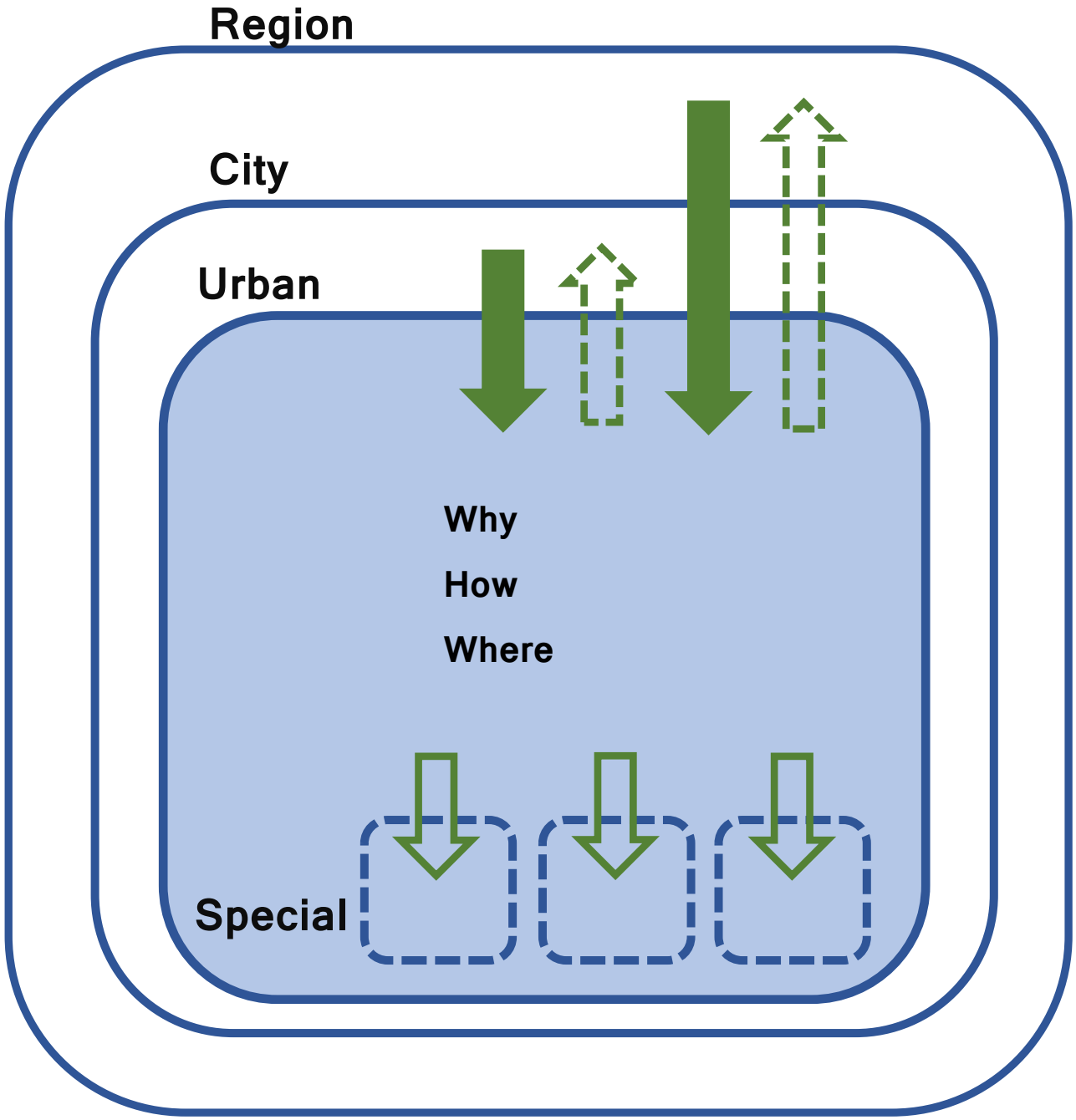
Then?



Baseline emissions inventory

Activities
Concrete actions, resources, monitoring and verification

Visions and goals



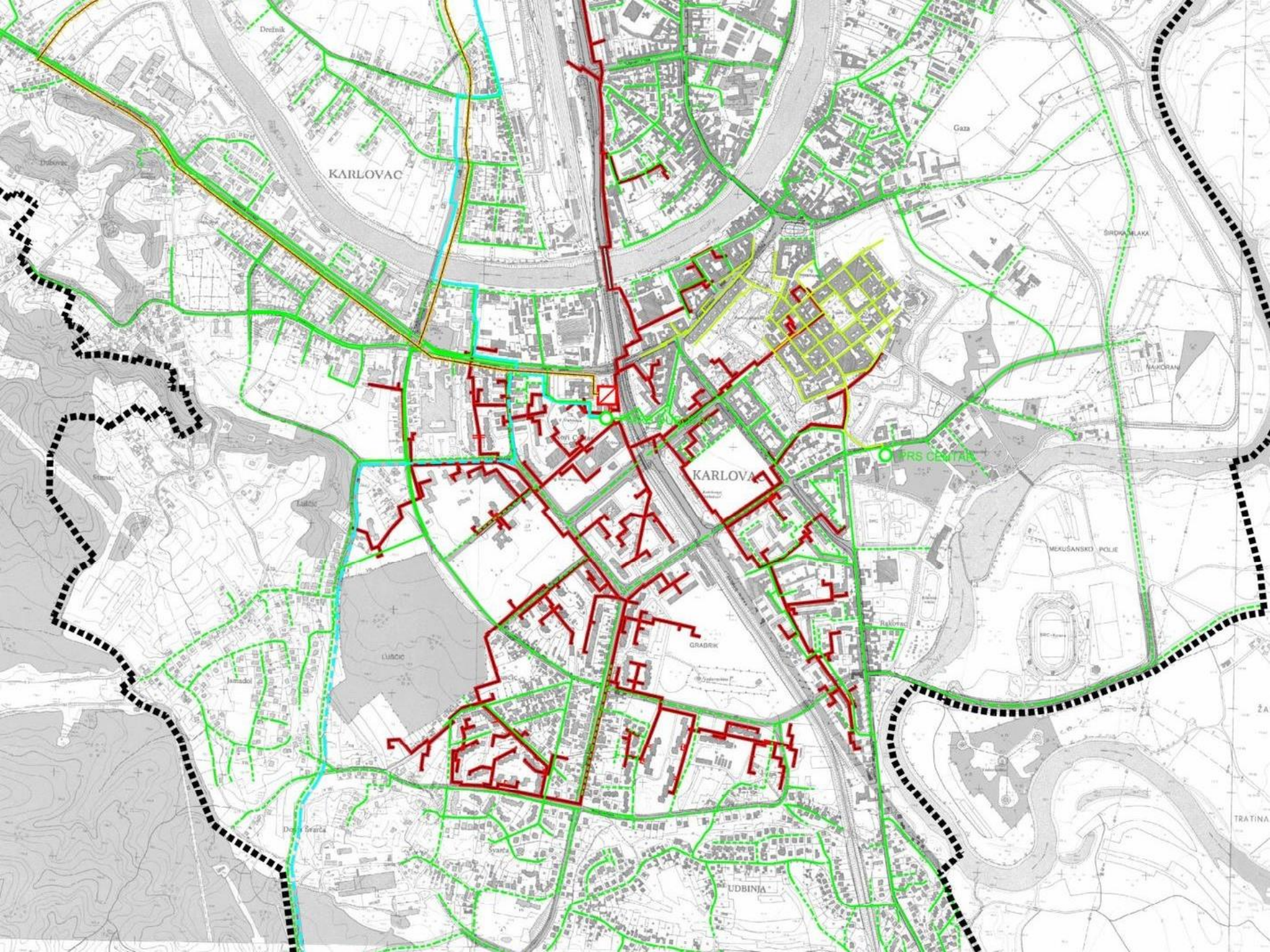


Planning



Implementation





KARLOVAC

KARLOVA

PRS CENTAR

Dretnik

Gaza

BRODA-MALAKA

MEKUSANSKO POLJE

GRABRIK

LUŠČIĆ

JAMSKO

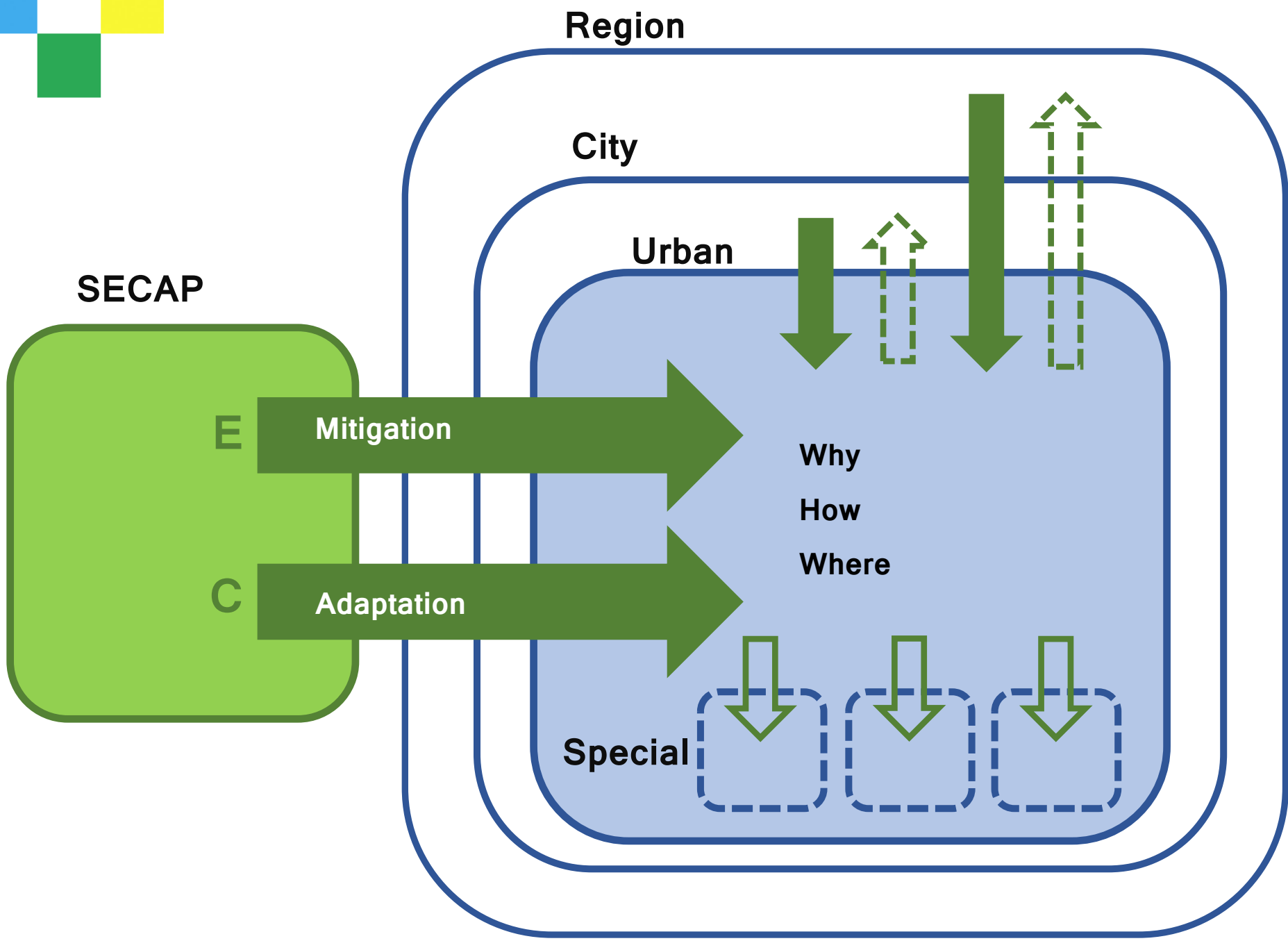
DOLJI GRAD

SVATA

UDBINJA

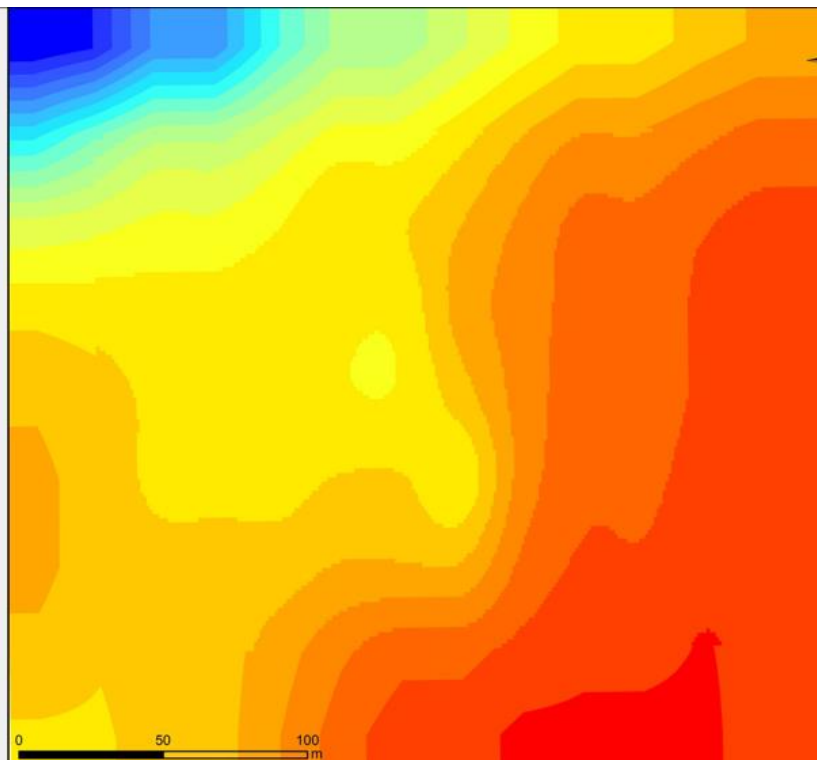
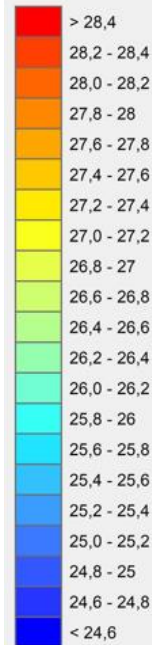
TRATINA

ZAJČAR





Površinska temperatura (°C)





Croatia: On-site PPA case study

General hospital Zabok- **user/customer**

PV project developer, project planner- **investor/producer/PV electricity supplier**



On-site PPA case study

450 kWp PV capacity

Plant production (kWh, RES share in overall needs %)	450 000 kWh, 14%
PPA contract duration	10 years
Electricity price- from the grid	0,11 EUR/kWh
Electricity price- from PV (PPA):	0,09 EUR/kWh
Cost savings, per year (during the PPA contract):	≈ 5.500,00 EUR
Cost savings, per year (after the PPA contract):	≈ 33.500,00 EUR



Croatia: Heat supply contracting



Primary school Ivana Brlić Mažuranić and
secondary craft and technical school-
user/customer

Biomass project developer, project planner-
investor/producer/heat supplier

Interreg - IPA CBC  
Croatia - Bosnia and Herzegovina - Montenegro



Croatia: Heat supply contracting

Annual heat consumption	428.000 kWh
Heat price (without VAT)	0,04 EUR/kWh
Installed capacity (woodchip boiler)	500 kW
Investment in a biomass boiler (without VAT)	313.600 EUR





Lessons learned

Integration of energy and climate into spatial planning

Capacity building of local and regional authorities

Flexibility in the definition of energy and climate policies

Utilization of existing tools

Climate protection is not a barrier, it is a driver for innovation



Thank you for your attention!

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