

D4.2 - Policy Adoption Measures for the Decarbonization of the H&C Sector

FACTSHEET #3_[Croatia]

1. Identification of the measure

Promotion of RES in DHC - Supplying geothermal energy for district heating in City of Karlovac

Strategic Policy Priority (SPP)	SPP #1: Define a policy package per sector
Sector	District heating and cooling
Type	Policy

2. Identification of KPIs (minimum of 3 KPIs)

KPIs

KPI #1	Amount of secured budget for geothermal exploration
KPI #2	Number of geothermal wells activated
KPI #3	Share (percentage) of geothermal energy for district heating

3. Definition of the operationalization activities (minimum of 3 activities)

OPERATIONALIZATION ACTIVITIES

#1	<i>Study to define geothermal sources and possible geothermal wells</i>
#2	<i>Defined budget on city level and financing from other sources for geothermal exploration wells</i>
#3	<i>Activation of geothermal exploration wells</i>
#4	<i>Public campaign for promotion of geothermal energy and district heating</i>

4. Applicability/focus of the measure¹:

X	City	Karlovac
	Region	
	National	

¹ Each MS is expected to focus on the application to, at least, 3 cities and 1 region.

5. Overview of the expected results

RESULTS		
KPI ID	Assumptions	Estimated results
#1	- Drafted Study to define geothermal sources and possible geothermal wells - Detailed analysis of cost for geothermal wells -	200.000 € secured for geothermal wells
#2	- Public procurement for works on exploration wells - Exploration of geothermal potential on site	2 exploration wells activated
#3	- Analysed results of exploration of geothermal - Posters and radio promotion campaign	10.000 citizens reached by the campaign

1. Brief description of the discussion oriented towards a SWOT analysis

Strengths

- Political commitment for decarbonization of district heating system
- Several analysis points to good geothermal potential
- District heating company owned by city

Weakness

- High capital cost for exploration
- Uncertainty of potential and dependence on exploration success

Opportunities

- Contribution to obligatory decarbonization of district heating system
- Long-term energy security and sustainability
- Economic benefits through local development
- Setting a precedent for other cities

Threats

- Geological risks and exploration failure
- Funding shortfalls, budgeted overrun
- Regulatory and permitting complexities