

Summary

Croatia as one of South Europe countries has very good solar radiation, especially on their Mediterranean part of the country. Last few years, the market of solar collectors is going strongly up and predictions are that this trend will continue.

Production of solar collectors is very small (there is only one producer) and the most of them are imported. Besides this firm, Croatia has two firms which is producing solar tanks. Even solar market is growing and there are lots of distributors, on the national level there is not practical strategy how to expand this market even more. We still don't have any testing centre although one of them is on preparing stage. Education about solar technology is based on different seminars and one subject on University for mechanical engineers.

Country Overview

- Population: 4.4 million inhabitants
- Size: 56 600 km²
- GDP pc (€): 11 000 (PPP)
- Climate: The climate of Croatia varies from Mediterranean along the Adriatic coast to continental, inland. The coastal areas have hot, dry summers and rainy winters yet the inland areas are cold in winter and warm in summer.

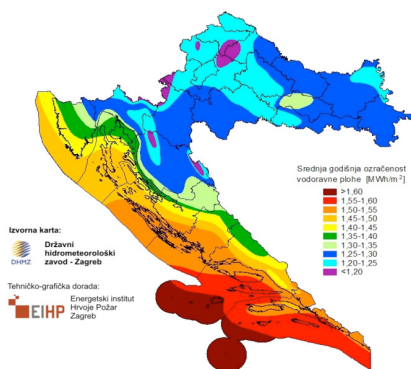
Temperature Data

Indicator	Average	
	Min	Max
Temperature (°C) in January - inland	-1	3
Temperature (°C) in January - coast	5	10
Temperature (°C) in August - inland	22	26
Temperature (°C) in August - coast	26	30

Market potential: solar radiation and heat demand

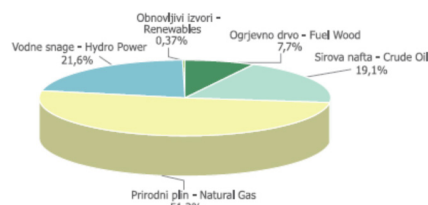
Global Radiation

Between 1,15 MWh/m² and 1,65 MWh/m² of solar radiation falls on the Croatia annually.

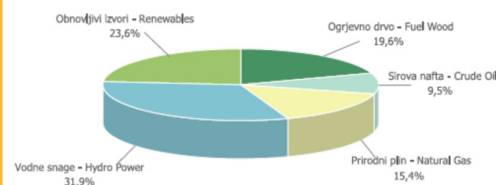


Forecast energy consumption

Shares in primary energy production 2007



Shares in primary energy production 2030



Solar Thermal Statistics

Total (m ²)	Newly installed (m ²)					2008 (m ²)		
	2003	2004	2005	2006	2007	Sum	Flat	Vacuum
78,000	5,020	6,657	5,974	7,608	10,881	13,000	11,500	1,500

Solar system Costs for typically sized systems		
	6m ²	15m ²
Total costs (excl. VAT)	710 Euro / m ²	620 Euro / m ²
VAT (23%)	140 Euro / m ²	130 Euro / m ²
Total cost (incl. VAT)	850 Euro / m ²	750 Euro / m ²

Sources of financial support

Title of institution	Description	Specification of projects	Height of donation
Environmental Protection and Energy Efficiency Fund	Activities include fund activities in connection with the financing of the preparation, implementation and development programs and projects and related activities in the field of conservation, sustainable use, protection and promotion of environment in the area of energy efficiency and renewable energy.	Building, reconstruction, modernization, waste energy utilization, raising energy efficiency and RES.	up to 30% for private and commercial projects and up to 100% for state and local organizations.
UNDP - Croatia	UNDP Croatia focuses on regional development and socio-economic recovery of less developed, environmental protection and energy efficiency, support to business development and corporate social responsibility, capacity building in field of development cooperation.	Energy audits, reconstruction public buildings and HVAC systems.	Depends on project sometimes up to 100%
Counties: Sisacko-moslavacka Zagrebacka Karlovacka Krapinsko zagorska	Co-financing private house in installing solar thermal collectors in 2008 for Sisacko – moslavacka and 2009. others counties.	Solar systems for domestic hot water warming.	Max 40% or 1,500 Euro

Further information

Further information on: www.cres.gr/trans-solar