

# ENERGY PROJECT FOR AN EUROPEAN CROATIA

Who are we, what are we doing,  
where are we going?

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Energy Management Agency

Intelligent Energy



Europe

# Why are we here today?

- What is an energy agency?
- How and why are we formed?
- Constitution and work organisation
- Objectives and tasks of the new agency
- Agency activities
- Started and planned projects
- Future activities



# Energy Agency? What's that?

- Provides information, advice and training
- Develops connections with EU aimed at knowledge and technology transfer
- Connects people and organisations with projects
- Undertakes independent energy audits
- Devises and starts projects
- Organises and runs supporting financial mechanisms



- Links communities/municipalities/counties and industry, energy supply and demand

# Energy Agency? What's that?

- Long tradition in the EU
- Styrian Energy Agency (Graz, Austria) established in 1981
- Regional and local energy agencies Charter, Cork, 1998
- EU: 200 agencies established 1994-2003
- 60 agencies established 2004-2008.



# Founders and activity area



- Zagreb County
- Karlovac County
- Krapinsko-zagorska County
- City of Zagreb



Intelligent Energy  Europe





## Agency's Mission

promotion and encouragement of regional sustainable development in the fields of energy and environmental protection through renewable energy sources (RES) utilization and energy efficiency measures implementation.



## Agency's Vision

Counties, cities and municipalities in North-Western Croatia utilising energy in the best possible manner and **the region as a successful example** of renewables utilisation and energy efficiency measures implementation **among other successful EU regions**

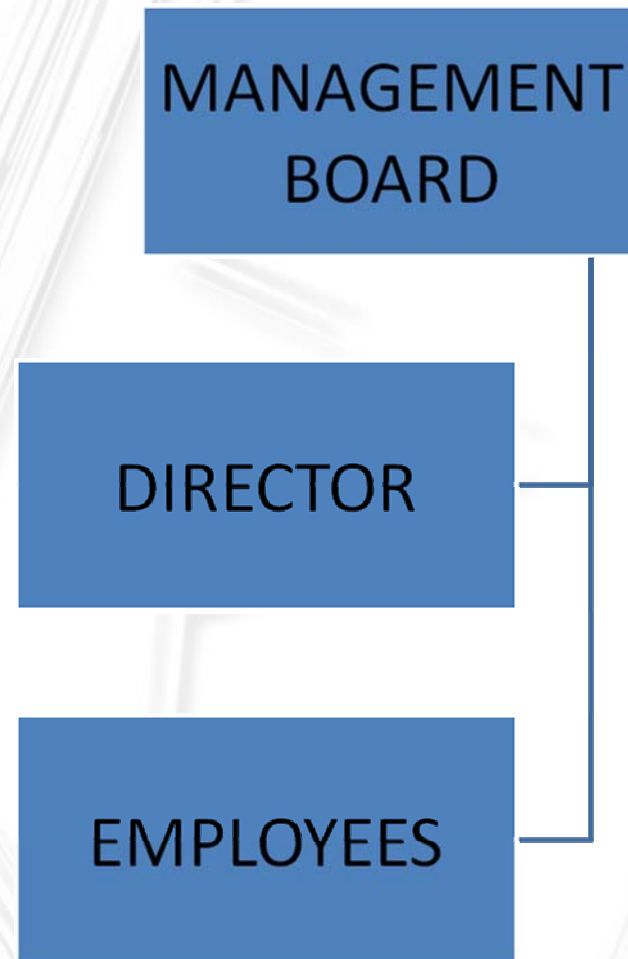
# EU application and partners

- Initial consortium of 4 regions:
  - North-West Croatia (coordinator)
  - North-West Spain
  - South-East Hungary
  - Arc-de-Seine (France)
- Agency ‘Partner’:
  - Arc-de-Seine (France)
- Agency ‘Mentor’:
  - TV Energy Ltd (South-East England)



# Organisation and management

- Association Agreement
- Management Board (11 members):
  - Founders (4+4)
  - Consumers (1)
  - Scientific institutions (1)
  - Energy Institutes (1)
- Structure, implementation, activities and results prescribed and monitored by EC



# Surroundings and functioning



Ministries

HBOR



FZOEU



Chambers



Expert associations



Counties

Cities

Municipalities



Agency



Entrepreneurs

Companies

Citizens



EU Institutions

International institutions

University

Scientific institutions



# Objectives and tasks

- Own initiative – start, monitor and implement renewables and energy efficiency projects
- Expert support to Counties
  - Development of feasibility studies, business plans, balances, analysis and other materials needed for development and strategical documents
- ‘**Best friend**’ to cities, municipalities and industry
- Securing financing through EU (IPA) and national funds and applications (FZOEU,...)
- Education of public and target groups



# Objectives and tasks: EU leads the way

- Directive on the promotion of electricity production from RES (2001/77/EC)
  - 22% RES by 2010 (large hydro included)
- Directive on the promotion of biofuels for transport (2003/30/EC)
  - Indicative targets: 2% by 2005, 5.75% by 2010
- Proposal for new EU energy strategy (2007) and new EU Directive (2008)
  - RES share of 20% by 2020
  - Biofuels share of 10% by 2020



# Objectives and tasks: EU leads the way

- Directive on the energy end-use efficiency and energy services (2006/32/EC)
  - Request on preparation of National Action Plans for Energy Efficiency every 3 years, total reduction of energy consumption of 9% within 9 years
- Action plan for energy efficiency: Realising the potential – Saving 20% by 2020
  - Package of priority measures to reduce CO<sub>2</sub> emission by 780 millions tons until year 2020



# Objectives and tasks: EU leads the way

- Direktive on the energy performances of buildings (2002/91/EC)
  - building as energy unit; defining of energy indicators, common methodology on EU level
- Framework directive on mandatory energy labelling of household appliances (92/75/EEC)
  - energy efficiency classes – household appliances classification by energy consumption in 7 energy classes from A (the most energy efficient appliance) to G (the less energy efficient appliance)



# Region which has knowladge, ideas and opportunities

- 10% RES share in total energy consumption by 2020
- 15% alternative fuels in regional public transport
- 1% regional energy efficiency increase per yer energetske učinkovitosti u regiji
- Successful, efficient and connected regional industry



# Planned and started projects



Renewable  
Energy  
Sources

Karlovac  
Pokupsko

Radoboj

Velika Gorica

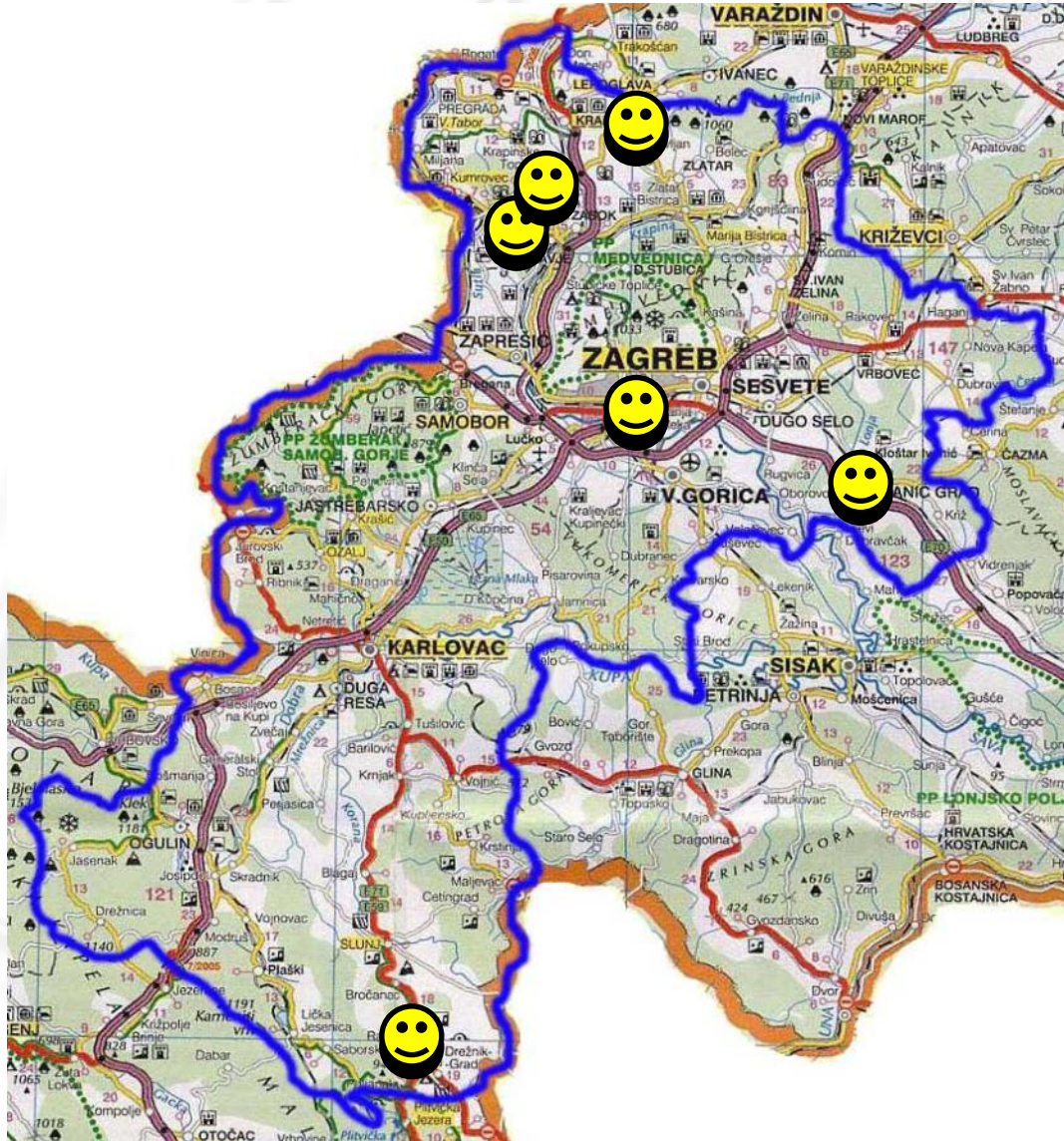
Zlatar Bistrica

Žakanje

Slunj



# Planned and started projects



☺ Energy  
☺ Efficiency

Ivanić-grad  
Jesenje  
Klanjec  
Rakovica  
Tuheljske  
toplice  
Zagreb



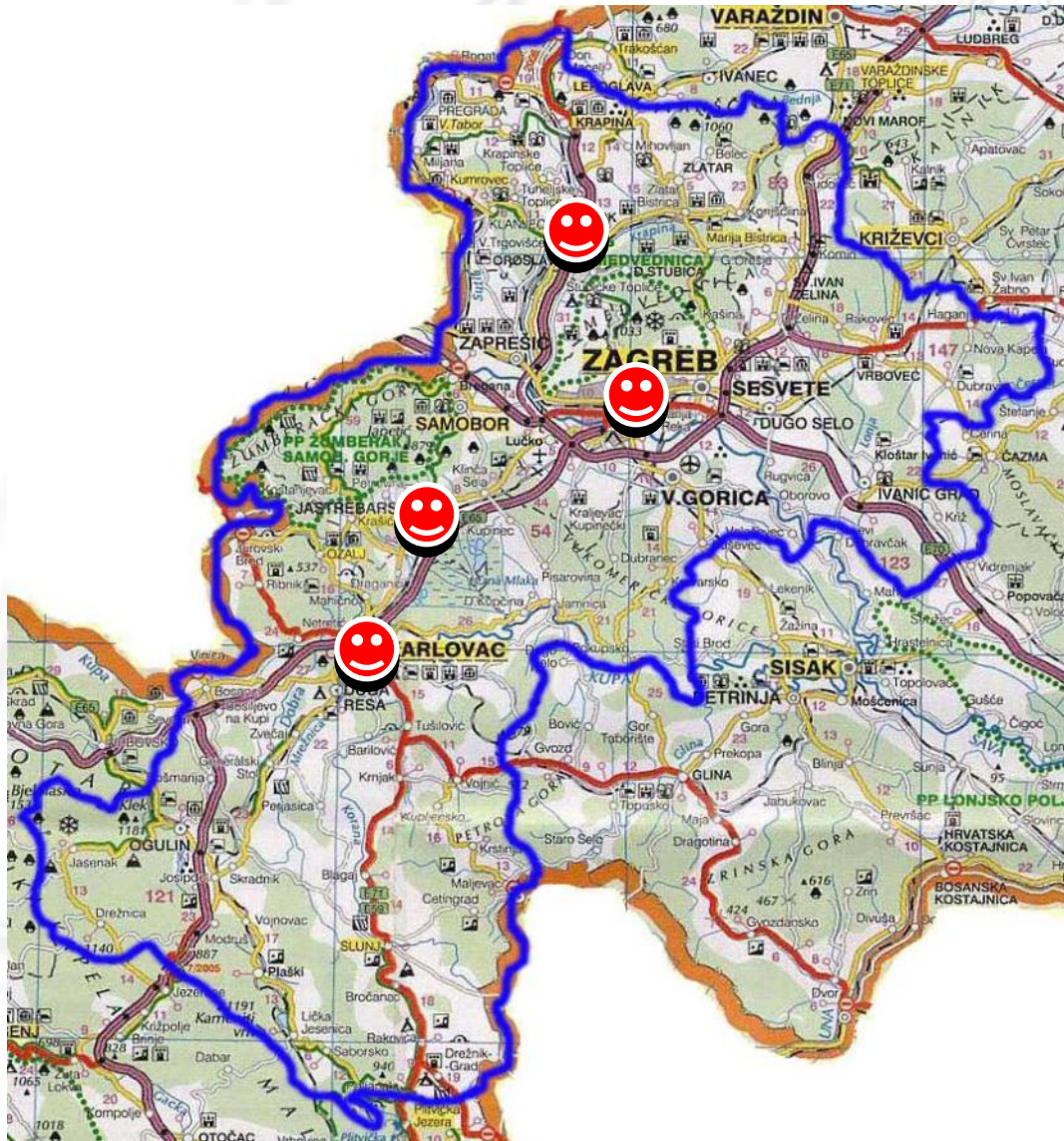
# Planned and started projects



Cleaner  
transport  
Karlovac  
Slunj



# Planned and started projects

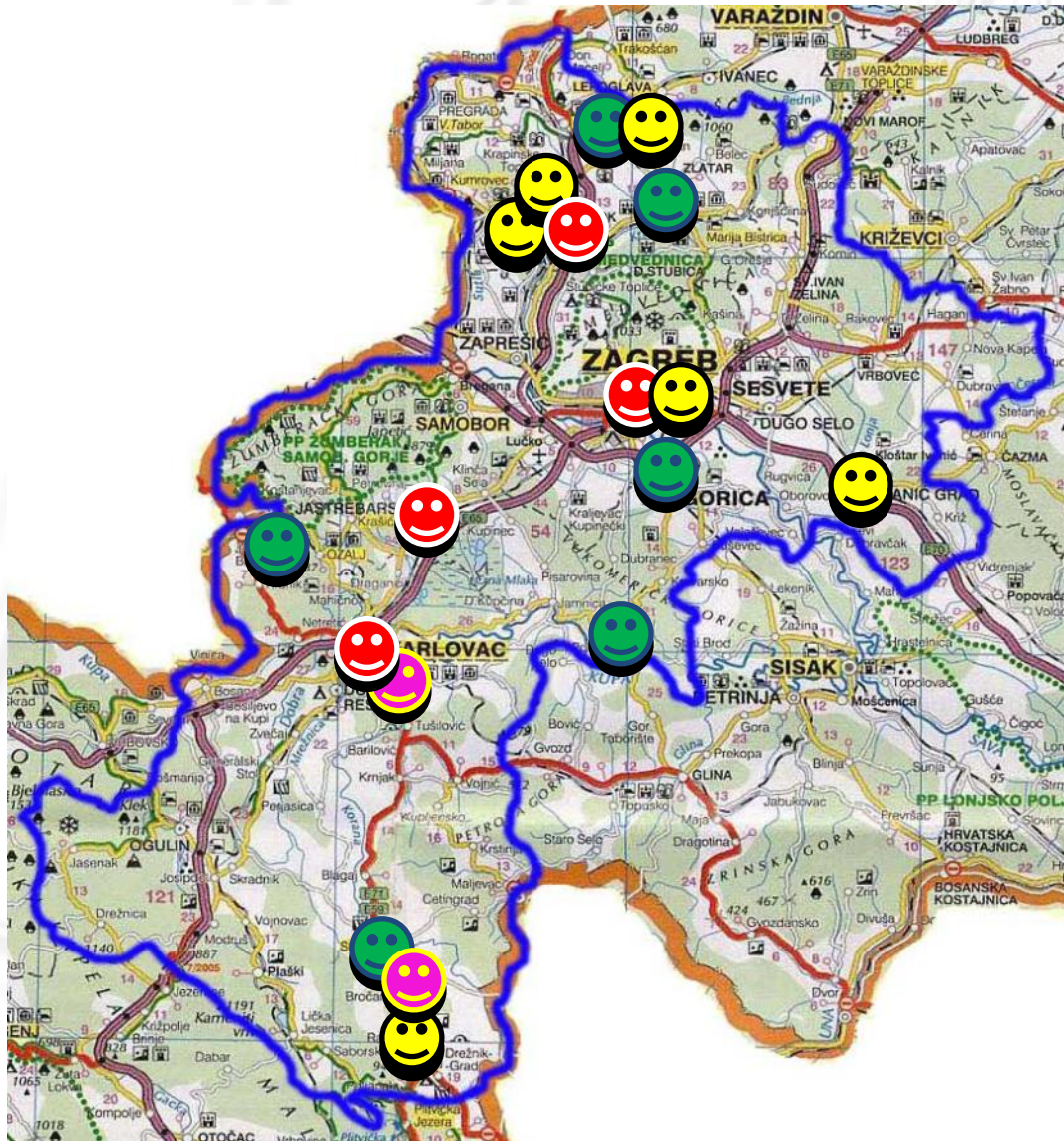


 Education and promotion

Karlovac  
Jastrebarsko  
Zabok  
Zagreb



# Planned and started projects



 RES

 EE

 Cleaner  
transport

 Education and  
Promotion



# A bit more REGEA projects...

Seminar “*Solar energy in Continental Croatia*”,  
Karlovac/Zagreb,  
27-28 February 2008.



Public Survey *RES 2008*



**Filozofski fakultet**  
Sveučilišta u Zagrebu

Nordic Days in Croatia 2008



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# International Projects

## Intelligent Energy for Europe



- SMART Strategies to promote small scale hydro-electricity production in Europe
- Wood Heat Solutions

## 6th Framework



- *Sustainable Energy for the Rural Village Environment*

## International energy Agency



- Task 29: Socio-economic Drivers in Implementing Bioenergy Projects

# Priorities for 2008

- County Energy Strategies and Action Plans
- Public buildings – *Display* campaign
- Private persons – owners of family houses and flats
- Energy efficiency in industry
- Educational and Promotional Activities
- European projects (large ones!)



# www.regea.org

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## NORTH-WEST CROATIA ENERGY AGENCY



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### Founding Authorities

-  Zagreb County
-  Karlovac County
-  Krapina-Zagorje County
-  City of Zagreb

### Home



Intelligent energy  
European Commission executive agency

**North-west Croatia Energy Agency** has been established by Zagreb County, Karlovac County, Krapina-Zagorje County and City of Zagreb under the framework of the Intelligent Energy Europe programme.

The main objective and role of the Agency are promoting and **encouraging of regional sustainable development in the fields of energy and environmental protection** through renewable energy sources (RES) utilization and energy efficiency measures implementation.

**Furthermore, Agency scope of work includes:**

- ❖ Promotion and implementation of "best practices" and "case-studies" in regional energy management
- ❖ Promotion and implementation of sustainable development concept
- ❖ Public awareness activities in the fields of energy and environmental protection
- ❖ Up-to-date information and advices regarding regional energy issues
- ❖ Advisory support for the implementation of regional energy plans and programs

### Documents download

 [Download Agency leaflet - \(PDF 632KB\)](#)

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No:

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