



PANEL DISCUSSION 2

Kozjansko Regional park



Kozjanski
park

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Kozjansko Regional Park, Slovenia

PANEL DISCUSSION 2 *The contribution of Parks to the EU Energy Policy*



Kozjansko Regional Park, Podsreda, Slovenia

Category: Regional Park, IUCN V

Established: Republic of Slovenia in 1981

Size: 206 km²

Population: 10.700 inhabitants

Local authorities: 5 municipalities

Manager of the protected area: Public Institution Kozjanski Park

Financing: Ministry of Agriculture and Environment

Other: 69% Natura 2000, 48% forests, very high biotic diversity



ROLE IN THE PROJECT

- Project partner,
- Managing protected area,
- Analysing biomass potential of the area
- Establishing supply chain
- Promotion of biomass use

Main objectives: memorandum, contract, local supply chain, Pilot action Plan, central heating system for small town of Kozje on local biomass, new heating system for our administrative buildings on local biomass



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BACKGROUND INFORMATION

CONTEXT

Briefly explain the local context in terms of (eg):

- Before the project we didn't have data about exploitation and consumption of biomass inside the protected area and we didn't have any estimation on biomass use impact on biotic diversity
- No organised biomass supply chain
- Almost no information about the possibility of biomass use
- Forest owners not organised in any suitable organisation

CHALLENGES

- Price of the biomass!!!**
- Organising supply chain of local biomass
- Organising local forest owners association



THE CHALLENGE



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ROLE OF THE PARK

- Awareness Events
- Round Tables
- Specific Meetings
- Memorandum of understanding
- Signing of the contract
- Local supply chain
- Promotion of local biomass use

KEY STAKEHOLDERS INVOLVED

- The Slovenian Forestry Institute
- The Slovenian Public Forest Service
- Topko energija d.o.o. – private investor in district heating system
- Municipality of Kozje
- Damjan Božičnik forest owner – complementary activities on the farms – biomass production
- The Slovenian Association of Forest Owners
- Gozd Ljubljana – state forest managing organisation
- Local medias (OKO, Štajerski val, Kozjansko info, Zmajev glas,...)

FINDING SOLUTIONS



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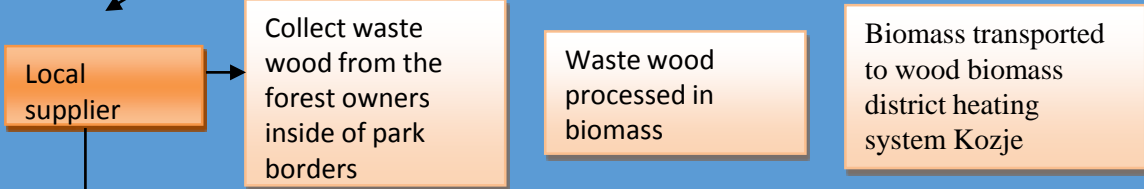
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April 2013
Implementation our project BIOEUPARKS April 2013



Heating season 2014/2015
signed one contract with local supplier of wood biomass from protected area



Wood chip storage capacity is 500 m³

Per year need district heating system 1500 m³ wood biomass

The technical characteristics of the district heating system in Kozje:

- Boiler output: 1.5 MW
- Buffer storage tank: 50,000 l or 1 day autonomy
- Wood chip storage capacity: 500 m³
- District heating network: 1.5 km
- Annual thermal production 2,000 MW/year

The end customers are:

- a primary school
- a health centre
- a kindergarten,
- an agricultural cooperative
- two blocks of flats and
- fifteen individual houses.

Heating season 2015/16
Signed two contracts

- Local supplier: 79 % wood biomass
- Company GOZD Ljubljana: 20% wood biomass
- Local individual suppliers: 1%



ACHIEVEMENTS

- Evaluation of the impact of biomass use on Park biodiversity
- Developing local biomass supply chain for district heating system
- Changing the heating system from oil to wood biomass at Park administration buildings (additional achievement)
- Changing local perception on biomass use

How will it be sustainable for the coming years?

- Monitoring of specific natural values is being regularly performed together with actions performing their protection which means even stopping the activities harming their viability
- Long time contracts between biomass producers and TOPKO Energija as a end user (the price of the local biomass is a little higher than other) and striving to establish additional district heating system



FINDING SOLUTIONS



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*Protected Areas leading new models for local development based on sustainable energy:
a way to contribute to the EU climate and energy targets?*

- *District heating device with the most modern exhaust monitoring system in high level of efficiency*
- *Reducing the CO₂ emissions*
- *Encouraging local economy*

***ALL THAT WITH SPECIAL CARE ABOUT BIOTIC DIVERSITY AND
WELFARE OF NATURA 2000 SPECIES AND HABITATS***

LESSONS LEARNED





Thank you for your attention.



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