

Thematic Topics workshops

complementary partner

Name of the Project:

Forêt Modèle "Model Forest"

Name of the Partner:

County of Istria

Name of the speaker:

Elena Sestan, member representative of MF "River Mirna Basin"



de Développement Régional (FEDER)
Project cofinanced by the European Regiona



Challenges and opportunities on each cross-sectoral component

Cross-sectoral components: C1. Governance and participation involvement; C2. Operational and R+D priorities; C3. Target group focused communication needs; C4. Financial needs and opportunities

From your MED project expertise, please describe shortly main conclusions for:

<u>Topic 4: Smart natural resources management, from emerging uses as biomass to new challenges as environmental services payment</u>

- C1. Governance and participation involvement
 - the model for development of RES potential in Istria (and the MF territory) is <u>based on public-private partnership</u> between public institutions, private entrepreneurs and local communities
- C2. Operational and R+D priorities
 - continue to influence decision-making authority groups to adopt models & forms which would attract & facilitate investments into RES based on a multi-sectoral approach
 - Promotion of nature & environmental protection
 - <u>Promotion of social inputs</u> fair & just distribution of resources; promotion of employment in non-productive, depressive, de-populated areas
 - Reduction of the need for the import of energy
 - economic development by using RES on the local level (production of equipment, installation, maintenance of the processing plant



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C3. Target group focused communication needs

- Managers of NGOs; managers & staff of local development agencies; decision-making authorities & other (women; children; young people; pensioners; ...)
- Farmers, wood-processing industry; cattle-breeders; local communities; managers of RER companies

C4. Financial needs and opportunities

- Fund for environmental protection and energetic efficiency
- Ministry of environmental and nature protection
- EU structural funds





Operational tools and best practices Linked with the e.Book contents

Cross-sectoral components: C1. Governance and participation involvement; C2. Operational and R+D priorities; C3. Target group focused communication needs; C4. Financial needs and opportunities

From your MED project outputs, please mention shortly some operational tools or best practices/ experiences that could be linked with the corresponding topic (classify them by component if is possible):

<u>Topic 4: Smart natural resources management, from emerging uses as biomass to new challenges as environmental services payment</u>

- Digital database Land cover Croatia of agricultural surfaces in Croatia
 - Total surface of agricultural land in Istria 76.312 ha; cattle-breeding has a decreasing tendency- insufficient capacity of raw material; poultry farming has a stable tendency together create a potential for bio-gas production in the prison facility Valtura in co-digestion with corn silage or other agricultural waste

production of 1.MW electricity requires 15.000 tonnes of raw material

1.MW/h \rightarrow 24 h \rightarrow 365 days

24 h x 365 days = 8760 MW/year

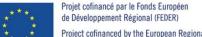
8760 x 1.81 € = 1.585.560,00 € x 7,50kn= 11.891.700,00 kunas

ıstarska żupanīja additional value: heat ene<mark>rgy (of the same value) – use: for heating of green</mark>houses, industrial plants, settlements,...

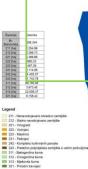
- additional value: compost (neutral value) - use: fertilizer for agricultural land & briquette production

- the facility is currently in construction, planned end in 2015, financed by the Ministry of Justice





Development Fund (ERDF)





services payment

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<u>Topic 4: Smart natural resources management, from emerging uses as biomass to new challenges as environmental</u>

- Database WISDOM Croatia available wood biomass quantity on the County of Istria territory
 - Data from 2007 show that we have achieved only 37% of the potential wood biomass yield
 - Potential for the use of wood biomass is evident & obvious
 - forested land on the territory of the Model Forest amounts to 57% (surface of 66.556 ha)
 - The biggest part of the territory is covered with low forests generally referred to as coppice and its
 degradation types; only 15% of the surface is covered with high forests
 - The table shows the theoretical potential of energy production from wood biomass in Istria

Istarska županija <u>Legenda</u>		Total stock of wood (m3)	Total yearly increme nt (m3)	Annual yield of wood (including conifers) (m3)		Teoretic energy potential of annual yield of wood (including conifers)			
10 ³ [m ³] 0 - 100 100 - 300						Planned felling		Realized felling	
				Planned felling	Realized felling	GWh	TJ	GWh	TJ
0 5 10 20 km	J\$C **	3.791.746	109.243	18.374	6.811	40	144	16	57



Methodological recommendations Linked with the e.Book contents

Cross-sectoral components: C1. Governance and participation involvement; C2. Operational and R+D priorities; C3. Target group focused communication needs; C4. Financial needs and opportunities

From your MED project expertise, please mention shortly some methodological recommendations for improving / enhancing a project proposition / development / transferring that could be linked with the corresponding topic (classify them by component if is possible):

<u>Topic 4: Smart natural resources management, from emerging uses as biomass to new challenges as environmental services payment</u>

- <u>Further analysis of particular characteristics of every area & their potential for the use of biomass from forests & agricultural activities</u>
 - Based on the estimate of the RER potential, create a technical, economic and financial plan for the project area, with the purpose of promotion of economic, social & environmentally sustainable local development linked with Biomass production
- Encourage durability & sustainability of local development by using structural processes of capacity development & encourage further participation of public & private sector in the local development
 - Involvement of population from the project area
 - Catalogue of investment possibilities in RER on the project area
- Promotion of targeted capacity development (knowledge & human resources as the strongest & most enduring "renewable resource")
 - Organization of seminars & expert training programmes (for public administration staff & local communities)
 - Influence politicians and officials which should, based on the obtained results, become more efficient in the process of integrated planning & management of local territorial development

