

Work Packages



RECROS Project development workshop

Prague, 30th April 2015

Main principles - remarks

- Protected areas, regions, cities, not only comparison cities/rural areas
- HU – most of cities have their climate strategies – good contacts to national parks
- Overlaps: REPLAN (CEP), DANUBIOM (DANUBE)
- Regions – implementation of strategy e.g. investment project preparation, energy cooperative establishing , communication with public (to agree with new technologies installed) etc.
- RS – regional strategy should fit national framework – to involve national decision makers
- SK – preference: biomass ; contacts to local governments – need of the more detailed idea
- Shift only to rural areas / urban areas??
- Activity of regions depends often on national decision makers
- Local / regional energy managers – sustainability – as a part of municipal energy cooperative (biomass/solar/wind power plants or energy crops etc.)
- Energy security = diversification, RES
- Main goal – to improve RE in Danube reg., avoid negative impact to environment
- RSA methodology

Work Packages



Proposed WP structure was updated compared to the original version:

WP1 – Project management

WP2 – Data sources and data structuring

WP3 – Design and development of SW tool

WP4 – Spatial analysis

WP5 – Local strategies and their implementation

WP6 – Common methodology

WP7 – Communication and dissemination

WP2 – Data sources and data structuring



Project team will be divided according to particular areas.

Tasks:

Analysis of the availability of relevant and reliable data and their parameters

Survey of possible data sources, providers (statistical offices, databases of research institutions, data sources of the affected territories, management organizations of the nature reserves, etc.), eventually price for purchasing data sets from their owners (if data sets utilization is not free of charge) and legislative restrictions (limited group of users, licence conditions for using data). Parameters of data sets needed to be clarified for next steps: extent (local/regional/national, parameters listed), scale (region/urban area/cadaster), quality (completeness, technical characteristics), accuracy etc.

Data structure – as a background for SW tool definition

Collection of relevant and reliable data – in structure (data layers) analogical to IS RESTEP (population, infrastructure, RES potential, biodiversity, culture, countryside and nature protection limits, etc.), focus will be on gathering the spatial data

Data processing - Elaboration of individual data layers in order to obtain unified data structure covering all selected territories (nature reserves), data manipulation (conversions, adjustments, modifications, etc.)

WP2 – Comments and suggestions

Data only for regions

Not completely whole range of ReStEP

Should we focus to the regions with data sets or without them?

Process of obtaining data as a challenge / message about actual situation

We should know which data are available before proposal submitting

CULS/VUMOP – list of necessary data layers – other will check availability

INSPIRE utilization

Regional data sources, if not -> national -> European

WP3 – Design and development of the SW tool



Design and development of SDSS (Spatial Decision Support System) tool.

Tasks:

Building database – From collected data with utilization of internal relations and processes among data layers a knowledge base (KB) will be built. Complexity will be determined by quantity and quality of collected data (WP1).

Modelling – Based on results from the previous step a model for decision making process will be designed. Models are expected to contain results-oriented conditions for decision, possible alternative actions for solution, and selection rules for proper actions

User interface – Developed tools are going to strive for “user-friendly” principles in order to ensure wide accessibility for the target group. Great efforts will be devoted to design this kind of GUI. Application is also going to include an interactive map window for displaying data and results in the form of thematic maps.

WP3 – Comments and suggestions

Needs of regions -> structure and UI

GUI = Graphical User Interface

Centralised data

Extent of simplification / depends on available data sets

Incorporation of other partners to the SW creation – definition of GUI, structure, data relations, scales, outputs ...

Beneficiaries of SW – public administration, NGOs, investors

WP4 – Spatial analysis



Detailed analyses for each territory focused on RES potential, limits and sustainability. The methodology assessment will be formed with the assistance of the responsible authorities (managing bodies of the selected territories).

Tasks:

Complex analysis of the area based on acquired data layers and their mutual connections. Dominating limitation will be represented by the conservation and biodiversity protection requirements and their influence on utilization of different RES.

Joint **assessment workshops** for methodology assessment and interpretation for project team and authorities representatives

Analysis of potential **RES sustainability** – evaluation of particular RES types, future development and their role in the created strategies (WP4)

WP4 – Comments and suggestions

Close cooperation with local representatives
Flow chart
Socio-economic aspects, suitable technologies

WP5 – Local strategies and their implementation

- Elaboration of a **strategy for more effective RES utilization** within the boundaries and biodiversity/resources limits of the selected areas
- **Measures for quality and long-term sustainable natural resources management** for energy purposes – concrete investment proposals, support strategy, motivation of the local population, entrepreneurs and administration, communication strategy.
- Diversified strategy (RES decisions and investments) for **individual target groups** (citizens, entrepreneurs, public administration), recommendations of suitable technologies including economy efficiency (investments, operational costs etc.) and evaluation of local conditions.
- Individual strategies for particular **municipalities** including plans for increase of RES share on energy production.
- **Addressing of public administration** (regions, municipalities) – integration of the strategy into policies of the selected territories via seminars, workshops, individual consulting, presentations for representative, public discussions.
- **Intensive cooperation** with management bodies of the selected areas in a synergy with their management strategies - seminars, workshops, individual consulting, implementation into the communication strategies of the protected areas.
- **Expert discussions** – involvement of the expert sector, discussions, cooperation.
- **Communication/Information campaign** – see WP7

WP5 – Comments and suggestions

Pilot actions – regional energy managers, energy cooperatives, investment project preparation etc.

WP6 – Common methodology



- Internal group discussion – common urban/rural/protected areas approaches, specifics
- Joint WS of both groups – perspectives of urban and rural regions, possibilities of synergy
- Creation of common methodology for strategic control of RES fields, support for sustainable and diversified RES development and regional principles of RES incorporation into energy and environmental strategies
- Discussion of the methodology on the Steering Group of PA 2 EUSDR
- Presentations on a national level in participating countries

WP6 – Comments and suggestions

National barriers for regional implementation
Implementation strategy / communication?

Deliverables to update...

- SW tool
- x local databases
- x complex natural resources and RES potential evaluations
- x local / regional strategies for development of sustainable energy production
- common (implementation) methodology for the Danube region reflecting particularity of cities and rural regions
- number of employees of the relevant local authorities, agencies and other relevant public bodies with increased awareness on RES potential and suitable technologies in their area) – 100 (evidence: presence lists)
- number of local or regional administrations regularly using RECROS for decision making after 2018: 12 (evidence: Lol)
- number of pilot actions – new body establishment, new investment projects based on RECROS etc.

Partners and budget



Estimated 2 – 3 mil. €

approx. 50 – 300 thousand € per partner

+ RO ?

Partners (cca 12) – currently:

Recommend. : (1) expert + 1 (2) region / country

1) Experts (max. 6):

- CULS (CZ - lead partner)
- RILOG (CZ)
- ECO trend (CZ)
- VUPOP (SK)
- UNEP (AT)
- Szent I (HU)

2) Urban regions (3 – 5)

- Prachatice (CZ)
- Vojvodina (RS) – Novi Sad
- xxx (BG)
- xxx (AT)

3) Rural regions (3 – 5)

- Rozkvět (CZ)
- Vojvodina (RS)
- xxx (BG)
- xxx (AT)
- xxx (SK)
- xxx (SLO)