



Perceived effects of RE development



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Short description

The potential effects of renewable energy development on the ecosystem services and local development is quantified through the experts' opinions. Local experts are identified in each pilot region taking into account two aspects: (1) expertise on ecosystem services and/or renewable energy development, and (2) knowledge of the local context. In a questionnaire survey, the local experts evaluated the potential effects of renewable energy development (i.e. hydro-power, wind-power, solar photovoltaic and forest biomass) on ecosystem services and local development using a set of indicators.

Input Data:

- Experts' opinions concerning renewable energy development at local scale;
- Perceived effects of renewable energy development on ecosystem services;
- Perceived effects of renewable energy development on the socio-economic features (local development);
- Perceived risks (environmental and society);
- Stakeholder analysis;
- Information about respondent and organization.

Output data:

- Coefficient of potential effects of each renewable energy development on different ecosystem services (e.g. provisioning services, regulating services and cultural services);

- Coefficient of potential effects of each renewable energy development on different socio-economic indicators (e.g. employment opportunities, income per capita, quality of life of the people, socio-political stability and health and safety);
- Social network analysis of the professional relationships between local stakeholders.

Link(s) to further information

Link to the questionnaire and to the final report in the website.

Renewable energy type(s)

Hydro-power, Wind-power, Solar photovoltaic and Forest biomass

Main objective(s) (max 500 characters)

Currently, the relevance of public participation in land management and development (e.g. renewable energy planning) is widely recognized, both at the political and technical level and by the scientific community. In order to meet the growing demands for public participation in the natural resources management it is essential to identify all stakeholders and involve them in the decision making process. Consequently, the main objective is to develop a participatory method aimed at gathering the social needs and demands.

Target group(s)

All stakeholders

Operating site(s)

Pilot areas of the recharge.green project

Experiences / best practise examples (max 1000 characters)

Participatory approach developed in Veneto pilot region (Mis and Maè valleys). In this pilot region is adopted a participatory process in three stages: (1) involvement of experts in assessing the effects of the renewable energy development on ecosystem services and local development, and stakeholder analysis; (2) information and communication of the aims and activities of the project towards the stakeholders and end-users; (3) involvement of stakeholders - through thematic focus groups - in the participatory decision making aimed to define a shared scenario for the renewable energy development at local level.

Data source

Data collected through the administration of a questionnaire by interview.

Responsible Partner(s)

EURAC and CRA-MPF

Stakeholders involved (if applicable)

Public administrators, local associations and organizations

Contact person(s)

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