

Development Alternatives

Development Alternatives (DA) is a 26 years old research and implementation focused not-for-profit organization. The activities of DA broadly cover the areas that underlie any form of sustainable development process. The Climate Change Centre was established in the organization since 1990. The Centre has made active contributions to research, advocacy and outreach programmes related to Climate Change Mitigation and Adaptation.

UNEP/GRID-Arendal

UNEP/GRID-Arendal is an official United Nations Environment Programme (UNEP) collaborating centre located in Arendal, Norway with an office in Ottawa and Stockholm. GRID-Arendal's mission is to provide environmental information, capacity building services and innovative communication tools, methodologies and products for information management and outreach. GRID-Arendal seeks to make credible, science-based knowledge understandable to the public and to decision-makers.



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MITIGATION AND ADAPTATION INFORMATION NETWORK FOR SUSTAINABLE COMMUNITIES

Knowledge base on
Decentralized Renewable Energy and Efficiency in India



Supported by



Developed by



The Context

Climate Change has become a major threat to the world. Government of India's National Action Plan on Climate Change identifies different measures to address climate change induced impacts & threats.

Besides, traditional knowledge of local communities to adapt to climate change is equally important. The exchange of experiences between communities has played a very important role in situations where break-throughs have been made. Thus there is a need to apply multi-stakeholder based "learn and apply" approaches.

The similar approach can be applied to scale up renewable energy solutions that will enhance access to energy for communities while mitigating drivers of climate change. This requires a knowledge base that supports the context-specific implementation of packaged context specific implementation of packaged solutions on decentralized renewable energy in large numbers and thereby generating sustainable livelihoods at large scale.

About the Knowledgebase

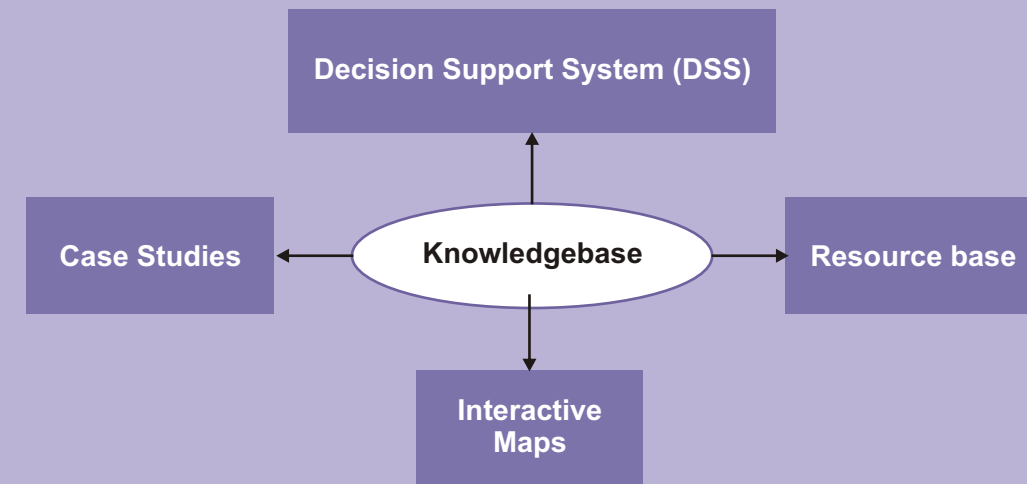
Development Alternatives (DA) is a part of an initiative, known as Mitigation and Adaptation Information Network (MAIN). MAIN is an Information & Communication Technology (ICT) based network designed for exchange of information and experience, promoting innovation, capacity building, and empowerment by and for local communities. The objective of MAIN is to bring together expertise, knowledge, and local experiences in a common network that empowers communities across the globe to create, share, use, and store knowledge to support sustainable living.

To build this network, DA with support from UNEP/GRID-Arendal, has developed a knowledge base on decentralized. The long term vision is to help communities in scaling up renewable energy solutions that will enhance access to energy & create sustainable livelihoods in large numbers.

As part of the Knowledge base, a Decision Support System (DSS) has been developed and designed for identification of appropriate models along with required packages that can facilitate in providing need-based information on technical, social, institutional and economic aspects of decentralized renewable energy projects.

Goal

The overall goal of the project is to build the knowledge base in the area of decentralized renewable energy by creating a learning platform for the implementation of projects in key operational roles.



Knowledge base on decentralized renewable energy - components

Foreseeable Impacts

The information network will enable stakeholders to navigate through locally-specific barriers to ensure that investments in energy efficient, decentralized renewable energy solutions are made in a manner that is both appropriate and sustainable for their community. The knowledge base will enhance the competence in practice among the vulnerable communities that could be transferred to other communities, and demonstrate adaptation to climate change, impact on education, health care and local enterprises through energy efficient decentralized renewable energy solutions.