

CLEAN ENERGY PROJECT RESOURCE CENTER



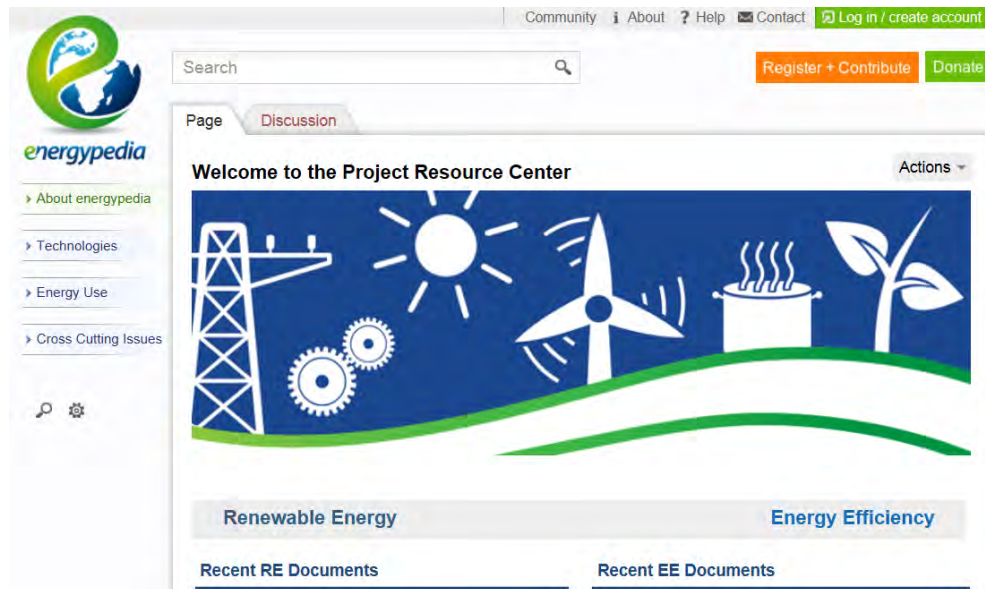
The demand for renewable energy and energy efficiency projects in developing countries continues to grow. In 2013, 46 percent of global investment in renewable energy—totaling US\$116 billion—came from the developing world. In 2012, multilateral and bilateral development agencies helped finance US\$22 billion in energy efficiency investments in client countries. Yet, even with this growth in activity, investors, developers, and other practitioners still operate in an information vacuum when it comes to easily finding practical examples of financing and implementation of clean energy projects.

As part of its commitment to support the scale-up of renewable energy and energy efficiency in developing countries, ESMAP has developed a [clean energy project resource center](#) in partnership with Energypedia, an independent non-profit energy information resource (energypedia.info).

Working-Level Documents

The project resource center complements other information resources and tools now available to governments and developers by focusing on working-level project documents, such as sample terms of reference (TORs), procurement documents, surveys and questionnaires, legal documents, examples of economic and financial analyses, and case studies with lessons learned. On energy efficiency, the project resource center also aggregates topic-specific resources on standards and labeling, and methodologies and protocols.

Such documents are rarely disseminated by the institutions that generate them, which constitutes a missed opportunity for building on previous knowledge and experience.



Having such documents readily available, by contrast, can reduce transaction costs such as those associated with having to create new TORs or procurement templates from scratch.

The project resource center brings these documents together under a simple interface to significantly improve the range, access, and quality of information available to the global energy development community. The project resource center is hosted on Energypedia's open wiki-based platform, allowing any practitioner, not only to easily locate documents through browse and search functions, but also to add new ones, thus contributing to a shared body of knowledge. The platform also allows for facilitated interactions through dedicated spaces for discussion and private messages to other users. Such an approach helps foster an engaged community of users who can sustain the project resource center and maintain its quality.

- Documents included in the [renewable energy project resource center](#) are tagged to specific technol-



The Energy Sector Management Assistance Program (ESMAP) is a global knowledge and technical assistance program administered by the World Bank. It provides analytical and advisory services to low- and middle-income countries to increase their know-how and institutional capacity to achieve environmentally sustainable energy solutions for poverty reduction and economic growth. ESMAP is funded by Australia, Austria, Denmark, Finland, France, Germany, Iceland, Lithuania, the Netherlands, Norway, Sweden, and the United Kingdom, as well as the World Bank.

EXAMPLES OF HOW THE RE PROJECT RESOURCE CENTER CAN BE USED

1. A civil servant working on project implementation in her country's rural electrification agency needs to hire a consultant to develop business models to accelerate the deployment of solar home systems in rural areas. However, the agency has never hired such a consultant before, and she is faced with having to write a TOR without a template to follow. By going to the Project Resource Center, she could find such templates through a keyword search or by setting the following parameters:

Document type: Terms of Reference > Business Models

Technology: Solar > PV

Connection type: Off-grid



2. An energy efficiency practitioner working on implementing a national building energy efficiency plan is looking to develop a study that assesses the market situation, as well as potential barriers and how to overcome them. By going to the Project Resource Center, he could find such TORs for feasibility studies, due diligence models, and for hiring staff to conduct the study, through a keyword search or by setting the following parameters:

Document Type: Terms of Reference

Sector: Buildings

ologies (e.g., hydroelectricity, wind, geothermal, storage, etc.), connection types (e.g., grid connected, off-grid, small island systems, etc.), language, and region/country.

- Documents included in the [energy efficiency project resource center](#) are tagged to sectors (appliances, buildings, HVAC, industry, public lighting, power and district heating, solid waste, transport, urban planning, water and wastewater, multi sector), as well as language, and region/country.

A Critical Mass of Knowledge

Going forward, information will be crowdsourced by users, and updated, with new categories created, building on the growing experience of the World Bank Group and partner agencies. Current partners include the Public-Private Partnership Infrastructure Resource Center (PPIRC), the German Society for International Cooperation (GIZ), the Renewable Energy and Energy Efficiency Partnership (REEEP), openei.org, the Wuppertal Institute, Natural Resources Canada, and the RET Screen unit.

The project resource center is overseen by Energypedia, who will be responsible for its maintenance, as well as for ensuring the relevance of any new documents uploaded.

Energypedia will also work on furthering ESMAP's initial efforts to involve new partners to help build a critical mass of knowledge in the library. ESMAP will remain engaged as a partner to the initiative by contributing new documents sourced from World Bank-supported projects, as well as by providing active feedback to Energypedia's team on the quality and usability of the site.

Clean Energy Project Resource Center:

<https://energypedia.info/wiki/RE> and [EE Project Resource Center](#)

Renewable Energy Resource Center:

[https://energypedia.info/wiki/Renewable Energy Project Resource Center](https://energypedia.info/wiki/Renewable_Energy_Project_Resource_Center)

Energy Efficiency Resource Center:

[https://energypedia.info/wiki/Energy Efficiency Project Resource Center](https://energypedia.info/wiki/Energy_Efficiency_Project_Resource_Center)