

TC ABSTRACT

I. Basic Project Data

Country/Region:	Regional
TC Name:	Energy Database
TC Number:	RG-T2603
Team Leader/Members:	Ramón Espinasa, Team Leader (INE/ENE); members: Annette Hester (INE/ENE); Carlos Sucre (INE/ENE); Jorge Mercado (INE/ENE); Arturo Alarcón (INE/ENE); Jesús Tejeda (INE/ENE); Alice Driver (INE/ENE); Roger Mina (INE/ENE); Eduardo Rodríguez (INE/ENE); and Haydemar Cova (INE/ENE)
Indicate if: Operational Support, Client Support, or Research & Dissemination.	Research and Dissemination
If Operational Support TC, give number and name of Operation Supported by the TC:	N/A
Reference to Request ¹ : (IDB docs #)	
Date of TC Abstract:	February 18, 2015
Beneficiary (countries or entities which are the recipient of the technical assistance):	Countries in Latin America and the Caribbean
Executing Agency and contact name (Organization or entity responsible for executing the TC Program) {If Bank: Contracting entity} {If the same as Beneficiary, please indicate}	Inter-American Development Bank, through the Energy Division (INE/ENE)
IDB Funding Requested:	US\$870,000
Local counterpart funding, if any:	
Disbursement period (which includes execution period):	April 30, 2015 to April 30, 2017
Required start date:	April 30, 2015
Types of consultants (firm or individual consultants):	Firm and Individual Consultants
Prepared by Unit:	INE/ENE
Unit of Disbursement Responsibility:	INE/ENE
Included in Country Strategy (y/n);	No
TC included in CPD (y/n):	No
GCI-9 Sector Priority:	Regional Integration; Climate Change; and Environmental Sustainability

II. Objective and Justification

- 2.1 The **objective** of this project is to deepen and broaden the scope of the Energy Database by showcasing new research and knowledge products focused on Latin America and the Caribbean's most pressing energy challenges. The Energy Database was originally developed by the Energy Innovation Center of the Energy Division funded by RG-T1884 and RG-T2048. Additional support was provided by the Government of Alberta through a Project Specific Grant (RG-X1171).
- 2.2 The Energy Database was designed following the most advance web protocols (linked open data), and **updates to the existing visualizations do not require outside web consultants**. Insofar as the existing content, **processing the IEA early data requires approximately 30 hours of work by an internal ENE consultant**. Once the **institutional information** is entered, **additions and revisions are only required when new laws are enacted**. It is expected that new datasets will be designed to ensure seamless updates.
- 2.3 This product is proving to be a valuable resource to our borrowing member countries as they are able to see the evolution of their energy production and use to plan for a sustainable future. The Energy Database is the perfect tool to derive policy prescriptions and analyze regulatory frameworks – both a necessary element for successful project/loan development and design.
- 2.4 The tool and its content have been used in the elaboration of all of the Energy Division's loans, most recently, in the approved PBL EC-L1140 -- Support for the transition of the energy matrix in Ecuador (\$500,000,000.00). In particular, the information was used to help frame the requirements for a successful transition to a more sustainable energy matrix.
- 2.5 In addition, it is also valuable to the Bank as a whole and a multitude of stakeholders. In the first six months since going online mid-June last year, the Energy Database has become one of the Bank's most used databases. Up to December 2014, it counted with over 5,400 users from 130 countries. The Energy Database was recognized in the President's Report to the Board of Executive Directors as one of 14 notable knowledge products of 2014.
- 2.6 A clear understanding of the region's energy landscape and needs is an important input for the development of appropriate strategies to support environmental sustainability. The GCI-9 mandates that the Bank improve its capacity to assist the region in its transition to a green economy, including the development of the institutional and regulatory frameworks. To this end, the Energy database provides trustworthy and well organized data that is an indispensable input to investments public or private.

III. Description of Activities and Outputs

- 3.1 Component I: Creation of New Datasets. This component includes the research, generation and compilation of datasets that are relevant to the work of the Bank. Component II: Creation of New Visualizations. This component focuses on: the design and implementation of new visualizations that translate the new datasets to an interactive web environment. Component III: Seminars and Dissemination. This component focuses on (i) the exchange of ideas and information on all aspects of energy data gathering and publishing at the country, regional and international levels; and (ii) the information and promotion of the use of the updated Energy Database.

IV. Budget

- 4.1 The total cost of the project is US\$870,000 and is expected to be financed by IDB's nonreimbursable founding.

Table IV-1. Indicative Budget (US\$)

Activity/Component	Description	IDB/Fund Funding	Counterpart Funding	Total Funding
Component I	Creation of New Datasets	400,000	-	400,000
Component II	Creation of New Visualizations	350,000	-	350,000
Component III	Seminars and Dissemination	120,000	-	120,000
Total		870,000	-	870,000

V. Executing agency and Execution Structure

- 5.1 This is a Bank-originated Technical Cooperation, aimed at expanding the Energy Database so it can deliver the information and knowledge necessary to fulfill the Bank's mandates. In particular the commitment to support mitigation and adaptation efforts of borrowing members. The benefits are not limited to the borrowing members. Given the wide coverage of the database, the benefits are regional and global.
- 5.2 The execution of this TC leverages the knowledge generated by the Bank with the design and implementation of the Energy Database. Given the innovation imbedded into this product, this expertise is at a premium. The product was designed to run in the Bank's system and several solutions and visualizations depend on solutions provided by the Bank, such as IDBDocs. Hence, Bank-execution translates into a significant cost advantage vis-à-vis other executing agencies. This will allow the Bank to expand its support to borrowing member countries by providing a useful tool to understand energy issues. Consequently, it is critical that this TC be Bank-executed.

VI. Project Risks and Issues

- 6.1 The main risks identified for the implementation of this TC is the lack of interest from the beneficiaries in using the Energy Database for their knowledge gap. To mediate this risk, the member countries are being consulted at every step of the dataset production. So far, however, there is significant interest in the tool from the private sector, member countries and various divisions within the bank.
- 6.2 A secondary risk is the sustainability of the Energy Database on a long term basis. The sustainability of the database is enhanced by other projects of the Energy Division, particularly the Sustainable Energy 4 All Community of Practice.

VII. Environmental and Social Classification

- 7.1 According to the ESG toolkit, the classification of this project is "C", i.e. no environmental or social risk are expected.