ONLINE PLATFORM FOR THE MONITORING OF ENDEV PERU

endev

Introduction

The program Energising Development (EnDev) is an initiative funded by the Federal Republic of Germany, the Netherlands, Norway, Australia, the UK, and Switzerland, which aims to provide sustainable access to modern energy services to 14 million people by 2015. In Peru, EnDev has been executed since 2007 by the German Cooperation (implemented by GIZ) under the name Energising Development Project (EnDev – Peru), introducing lines for improved stoves, lighting, productive uses, and water heaters, with a focus on rural areas.

Platform Objectives

The objective of the online monitoring platform for EnDev is to follow up on the project management's success indicators through:

- The updating of information in an interconnected manner.
- The availability of information in real time.

Justification

Before the platform, the team worked on the follow up processes regarding the success indicators manually. The main problems were the following:

1. High costs in time and human resources.
2. Errors in data transcription.
3. Difficulty in sending and receiving large files with large amounts of data.
4. Difficulty in elaborating integrated reports, having to check diverse files.

To overcome these difficulties, a tool to improve management and access to information was looked to be developed, allowing updates in a single database but that could be managed in a decentralized manner.

Platform design

The platform is made up of an automated database and a web application which enable the search and editing of information in an intuitive and flexible manner. The platform has a modular structure and a related and standardized organization of data, in order to assure the integrity of information. All this permits the user to manage his own data and to elaborate his own reports.

The platform has the following work modules:

1. **Goal setting**: allows the setting of targets by lines, deadlines, and a technology tree.
2. **Project or contract control:** this enables the permanent monitoring of the commitments established in each project by the counterparts, beneficiaries, and EnDev.
3. **Beneficiaries list:** a database belonging to the beneficiaries who receive energetic services from EnDev.

4. **Suppliers:** provides information to monitor the supply of energy services promoted by EnDev.
5. **Reports:** allows the creation of intelligent reports so that the user manages the data and the manner of presentation.
6. **Messaging:** automatic alerts that inform the user about results, changes, and news.

Types of users

The platform enables online monitoring, promoting the participation of different types of users:

1. **Administrator**: attends to the system's maintenance. This task is accomplished by GIZ-Peru's head of IT and includes the database's back up. EnDev is the owner of the source code, which allows modifications to the tool, either through the IT staff or a hired programmer.
2. **Supervisor**: responsible for quality control and ensures the continual updating of the platform. This work is fulfilled by EnDev Peru´s monitoring team.
3. **Operator**: updates the platform´s information through the importing of standardized Excel tables or entering information into the forms and can additionally consult the available information. This function is performed by the implementation team.
4. **Collaborator**: user allowed to consult the information available on the platform.
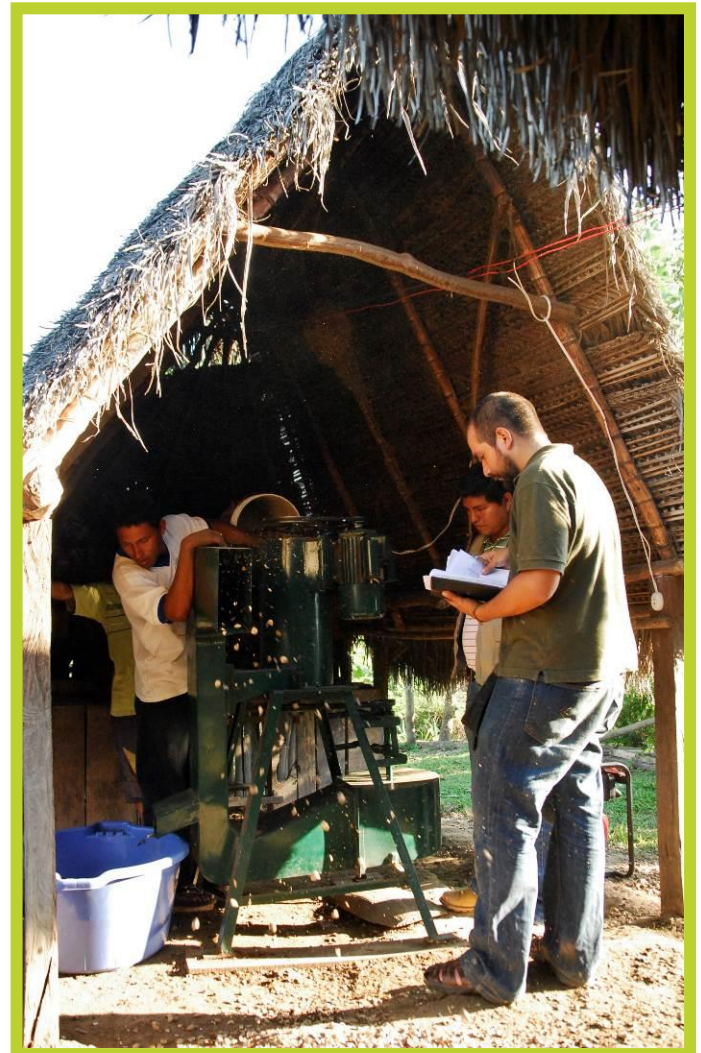
Advantages of the tool

After a year and a half of the online platform being in use, the following advantages have been observed:

- Improvement of access to updated data.
- Promotes greater team participation and involvement.
- Improvement of real time information coordination.
- Strengthening of transparency and reliability of monitoring.
- Reduction of downtime and information errors.
- Avoids the duplication of activities and bottlenecks.
- Reduction of time, money, and staff costs.

Principal challenges

Currently work is being undertaken to extend the possibilities of use of the platform through the following services:

- Replicating the use of the online platform for monitoring at the regional level, integrating other EnDev projects.
- Disseminating the platform to know the data demands of other institutions.
- Coordinating the tool with other platforms (Energypedia, other).
- Providing a service to query data from other devices (mobile phones).

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