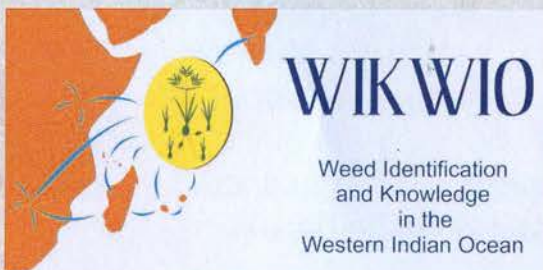


**Axis:** Strengthen STI to enable creation and use of scientific knowledge

**Result:** National and regional capacities to devise and use STI programmes and their results are improved

**Duration of the Project**  
36 months

**Start date**  
November 21<sup>th</sup> 2013



*For more  
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<http://www.wikwio.org>

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# WIKWIO

## Weed Identification and Knowledge in the Western Indian Ocean

*Participating institutions...*



French Agricultural Research  
Centre for International  
Development (CIRAD), France



French Institute of Pondicherry (IFP),  
India



Mauritius Sugarcane Industry  
Research Institute  
(MCIA/MSIRI), Mauritius



Centre National pour le  
Développement  
Rural (FOFIFA), Madagascar



Centre National de Documentation  
et de Recherche Scientifique  
(CNDRS), Comores

A project funded by the ACP Science and Technology  
Programme (ACP S&T II).

An ACP-EU co-operation programme in the field of  
science and technology



### Context...

The proposed action aims to contribute to enhancing the productivity of food and cash cropping systems and help improve food security in Island States of the Western Indian Ocean and South East African region. The selected cropping systems suffer from significant production losses due to weed infestations.

The action aims at creating a science and technology network serving the farming, extension and research community to foster appropriate weed management practices.

### Focus...

The project will strengthen the interdisciplinary approach of existing scientific knowledge on the management of weed infestations by creating a knowledge base of STI data on crop weeds of the area.

### Justification ...

Integrated weed management is considered the most appropriate option in crop protection to enhance harvests, through a choice of appropriate measures (cultural, mechanical, biological and chemical) to maintain weed below the threshold level.

To be effective, integrated weed management should build on knowledge on weed biology and ecology and practices of different stakeholders.

### Aim...

The action aims to build and use a network of STI knowledge and weed management methods of weed infestations, which will consolidate existing information and facilitate the sharing of scientific and technological acquisitions. This work is to create a database as complete as possible, on weeds in the geographical area concerned. Furthermore, it will develop a collaborative platform for exchange of information on weeds inbetween stakeholders: researchers, agronomists, extensionists, farmers.



### Materials and Methods...

A project website has been launched to disseminate project description and scientific information on the crop weeds in Island states of the Western Indian Ocean and South East Africa. It will provide space for collaborative work between project partners through several tools such as forum, mailing list, document repository and access to the knowledge database on weed species. Existing knowledge on weed identification and control for the selected weed species is gathered in the WIKWIO knowledge base. All the documents and information related to the weed species (descriptions, photos, drawings and scans) will be prepared and integrated into the WIKWIO website. Workshops and local training sessions in the participating countries with agronomists, students and extensionists will be organized.

### Expected Results...

A webportal hosting the comprehensive STI knowledge base on weeds and a citizen science collaborative space WIKWIO.

A database of knowledge on crop weeds of islands of the Western Indian Ocean and Southeast Africa.

A community of stakeholder around the WIKWIO platform, replicable and expandable to a larger region.