

Open Source Simple Computer for Agriculture in Rural Areas (OSCAR)

Objectives

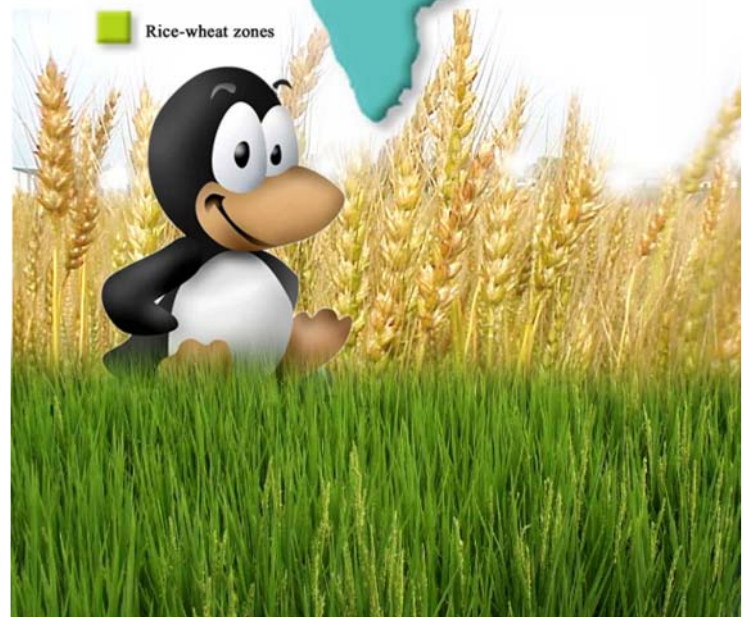
- To initiate cooperation between European and South Asian institutions in an ICT framework.
- Decision-making tool for weed identification and control.
- Target the farmers of the Indo-Gangetic Plains (IGP) at the village level overcoming language barriers.
- To address the issue of the declining agricultural productivity in South Asia.

Materials and Methods

- Existing software for species identification (*IDAO-Identification Assistée par Ordinateur*).
- Adapted to run on open source platform, including a low-cost computing device (Simputer),
- Shared by the local farmer community.
- A model database for weed identification and control.
- Set of the most important weeds of the IGP.
- End user perception to be considered for further improvement of usage at grass root level.

Results

- A Linux based software with a model database, for identification and control of weeds.
- A web application open to all on IGP weed species.
- A Windows based software.
- A PDA (Simputer) version of the software.
- Recommendations and formats for developing similar decision-making tools based on open source.



Targeted towards ...

- Farmers and farmer groups
- Extension services
- Students and researchers

Partners

- Centre de coopération internationale en recherche agronomique pour le développement (CIRAD), France
- Rice Wheat Consortium for the Indo-Gangetic Plains (RWC) – Delhi, India
- Wageningen University, The Netherlands



Co-financed by:

European Commission under Asia IT&C programme