

IPERCA

Innovation Pedagogical Resources in Conservation Agriculture for South-East Asia

ABSTRACT

Project is built upon an active link between the University of Battambang (UBB) and R&D program in North West Cambodia, characterised by its agricultural development dynamics. A specific partnership was implemented in 2003 between CIRAD, the General Directorate of Agriculture (GDA) of Cambodia, the Royal University of Agriculture (RUA), the University of Battambang (UBB), and later with the University of North Carolina A&T (NCA&T) through the Sustainable Agriculture and Natural Resources Management (SANREM).

Keywords : Quality

Year : 2014

Project number : 1401-016

Type of funding : AAP FORMATION

Project type : AAP

Research units in the network : INNOVATION

Start date : 2015-01-01

End date : 2017-06-30

Flagship project : no

Project leader : Florent Tivet

Project leader's institution : CIRAD

Project leader's RU : AIDA

Budget allocated : 183768 €

Total budget allocated (including co-financing) : 183768 €

Funding : Labex

GOAL

objective of IPERCA is to pool pertinent resources from France, Brazil and Cambodia to target the CA-related educational and outreach constraints. The project aims at contributing to the master program in CA of the University of Battambang through the development of innovative pedagogical tools that fit and deal with the regional agricultural context.

ACTION

The Three main activities will be implemented; they will contribute to set-up an interactive process of learning platform development between Labex Agro community and a southern university:

- (1) defining and assessing the use of innovative pedagogical tools in the educational program;
- (2) designing innovative pedagogical materials as an e-learning tool, validating the use of simple field and lab tools connecting the field to traditional teaching, video/clips of testimonials by farmers and extension agents, and longer instructional videos on selected issues, case studies (systemic analysis of agrarian contexts, adoption impacts and constraints, market chains, farmer access to production setting), and scripted research results and engineering know-how into pedagogical tools, emphasizing cropping systems design and performances;
- (3) training and use on the e-learning device by webmaster, lecturers/professors and students.

RESULTS

Professors and students are actively involved in developing and evaluating innovative pedagogical tools. Sufficient operating and technological support at the University level conducive to the development of the e-learning tool is in place. E-learning familiarization tool established to provide initial training to professors and students. E-learning tool combines a large range of educational supports addressing the multiple dimensions of CA and forms part of a blended-strategy. SupAgro, UBB and CIRAD developed a pilot partnership bridging higher education and research around a first set of pedagogical materials.