



















E-learning at the Royal University of Agriculture First steps ... and way forwards

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... with the support of Sarah Clerquin (SupAgro), Stéphane de Tourdonnet (SupAgro) and Florent Tivet (CIRAD)

















A 1st project: Innovative pedagogical Resources in Agroecology and Conservation Agriculture in South-East Asia (IPERCA)

- Funded by Agropolis Foundation Jan. 2015 to June 2017
- Partners: CIRAD, GDA, UBB, SupAgro, UEPG and RUA























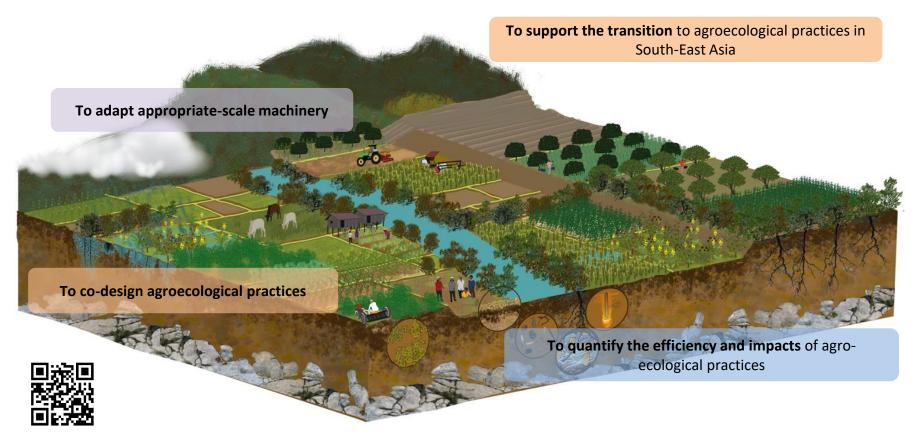






An E-learning platform: http://e-learning.rua.edu.kh/

4 main dimensions: 9 main courses, 25 lessons



Learning, sharing knowledge, building connection with grassroots level, fostering synergies with development operators, NGOs and others research teams

















USE OF INFORMATION AND COMMUNICATION **TECHNOLOGIES**

BUILD THE CONTENT

- **Scenarichain** as a authoring tool (open source)
- Scenariserver as collaborative authoring tool

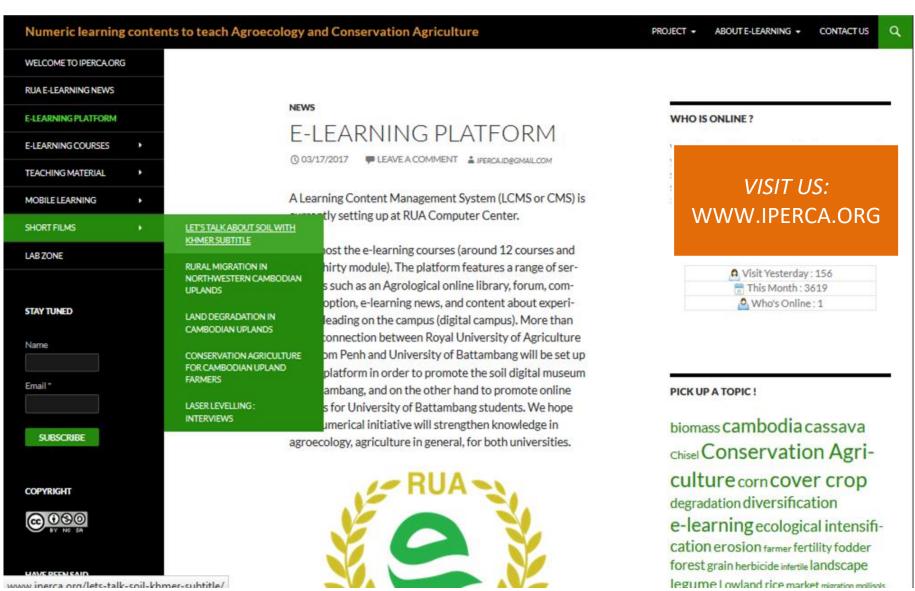
MUTUALIZE PEDAGOGICAL CONTENT & ICT USES

- Content Management System (Wordpress)
 broadcasting e-learning courses & teaching
 content material (iperca.org)
- Youtube as a tool for tutorial (21) and video/testimonies used in the courses (45 for a total of 250 published)



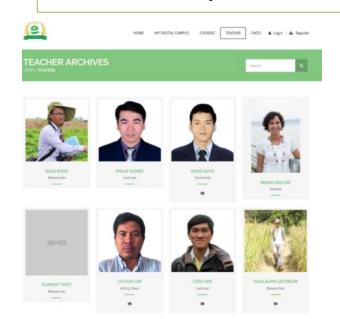


A CMS to mutualize and broadcast teaching materials – clips and pictures

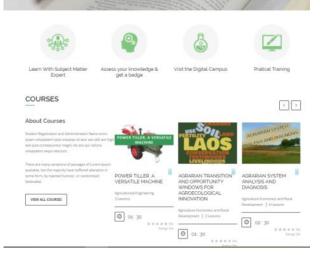


TO DISSEMINATE RESOURCES

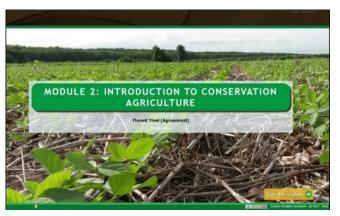
- LCMS E-learning platform: e-learning.rua.edu.kh
- Social network: Facebook (RUA online course & CA service center groups)
- QR code on technical leaflets and signs on the campus

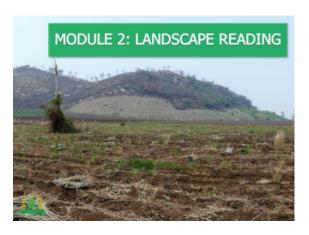




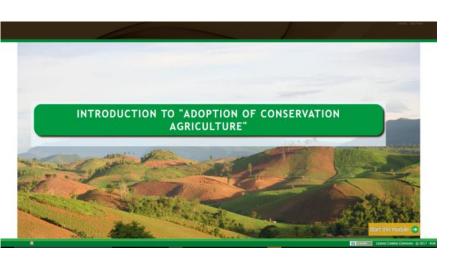






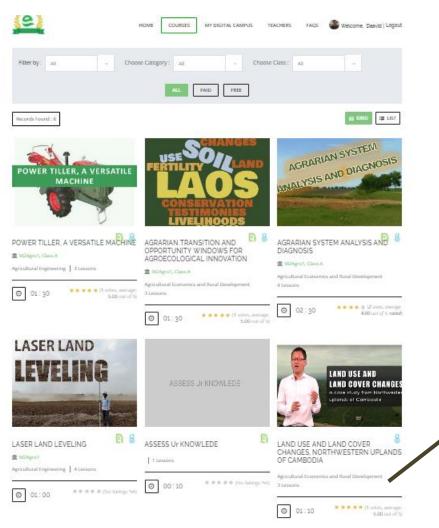


FOCUS ON COURSES DESIGN





Example of E-learning course: Land Use and Cover Change





LAND USE AND LAND COVER CHANGES. NORTHWESTERN UPLANDS OF CAMBODIA

Agricultural Economics and Rural Development 3 Lessons

01:10

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LEARNING PATH: FROM E-LEARNING **PLATFORM TO COURSE**



OBJECTIVES

E-learning: course's interface

LAND USE AND LAND COVER CHANGES, A CASE STUDY FROM NORTHWESTERN UPLAN



Objectives



- PART 1: Changes of land use and land cover (LULC)
- PART II: Process of land use and land cover changes
- > PART III : Proximate causes, underlying factors, and their
- Conclusion of the case study





INTRODUCTION



Pre-requisite

• There is no any specific pre-requisite for this case study. We welcome all students who are interested to know land use and land cover changes in the Northwestern uplands of Cambodia, former Khmer Rouge stro

Required time

The case study is divided into three parts with below required time for learning.

- Part I: Changes of land use and land cover (LULC *): 20mn
- Part II: Process of land use and land cover changes: 30mn

SCENNEL

REQUIREMENTS

LEARNING TIME

Drag and drop: a pedagogical usage of ICT

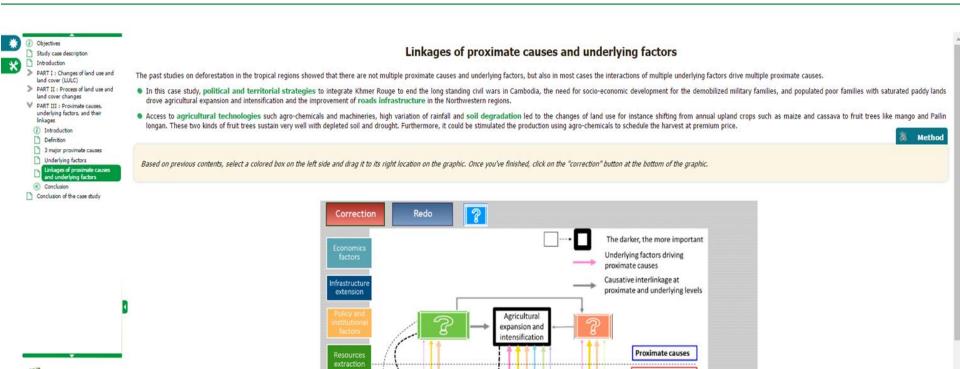
Underlying factors

Soil

degradation

Technological

factors



Climate variation

Demographic

factors

ASSESS YOUR KNOWLEDGE ABOUT LULC

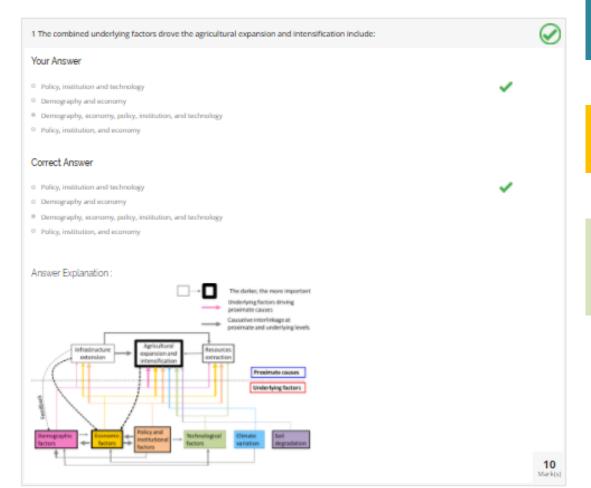
OME # ASSESS YOUR KNOWLEDGE ABOUT LULC



This is an assessment. Fill the following quiz and get a score.







Online assessment on the platform

The score is saved on the platform. Students can have access to their scores by their personal dashboard.

Teacher have access to the score of students

After assessment, the correction of the quizz gives a feedback related to the answer

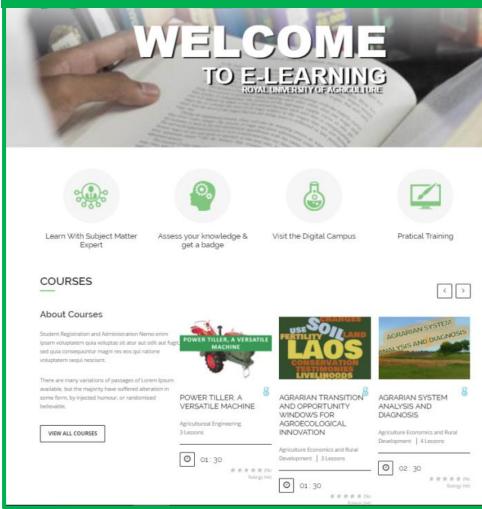
A REFLECTION ON THE USE OF E LEARNING

- What could be our strategy:
 - To engage a broader community of professors/lecturers?
 Only few were involved on this first step.
 - To use the E-learning: blended-learning, complementary to face-to-face teaching...
 - Which added-value? E-learning and credit?
 - To co-design the ressources between professors/lecturers and pedagogical engineers?
 - To strengthen the capacity of IT staff from RUA
 - To have access to regular support from the Cyber University of ITC (LMS management; RUA is part of the network of national universities receiving support from the Cyber University)

OUR CONTRIBUTION TO A NATIONAL AND REGIONAL DYNAMIC ON GROECOLOGY

- Almost all faculties from RUA can develop theoretical content that can be connected with agroecological principles. Win-win process for professors that will develop their own courses that can also be used within this AE dynamic.
- Case studies can also be used to illustrate and bring 'life' to the courses.
- The Faculty of Agronomy implements studies through grants from ACTAE (ALISEA & CANSEA) and ECOLAND through different projects: such studies can be translated into elearning content.
- RUA teaches the new generation of researchers.

Plateform e-learning of RUA http://www.e-learning.rua.edu.kh/



Thank you for your attention!

CONTACT:

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