ALISEA general assembly workshop
"Towards an Agroecology Transition"

Pedagogical resources in Agro-ecology & Conservation Agriculture

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Presented: by LAY Vichet

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

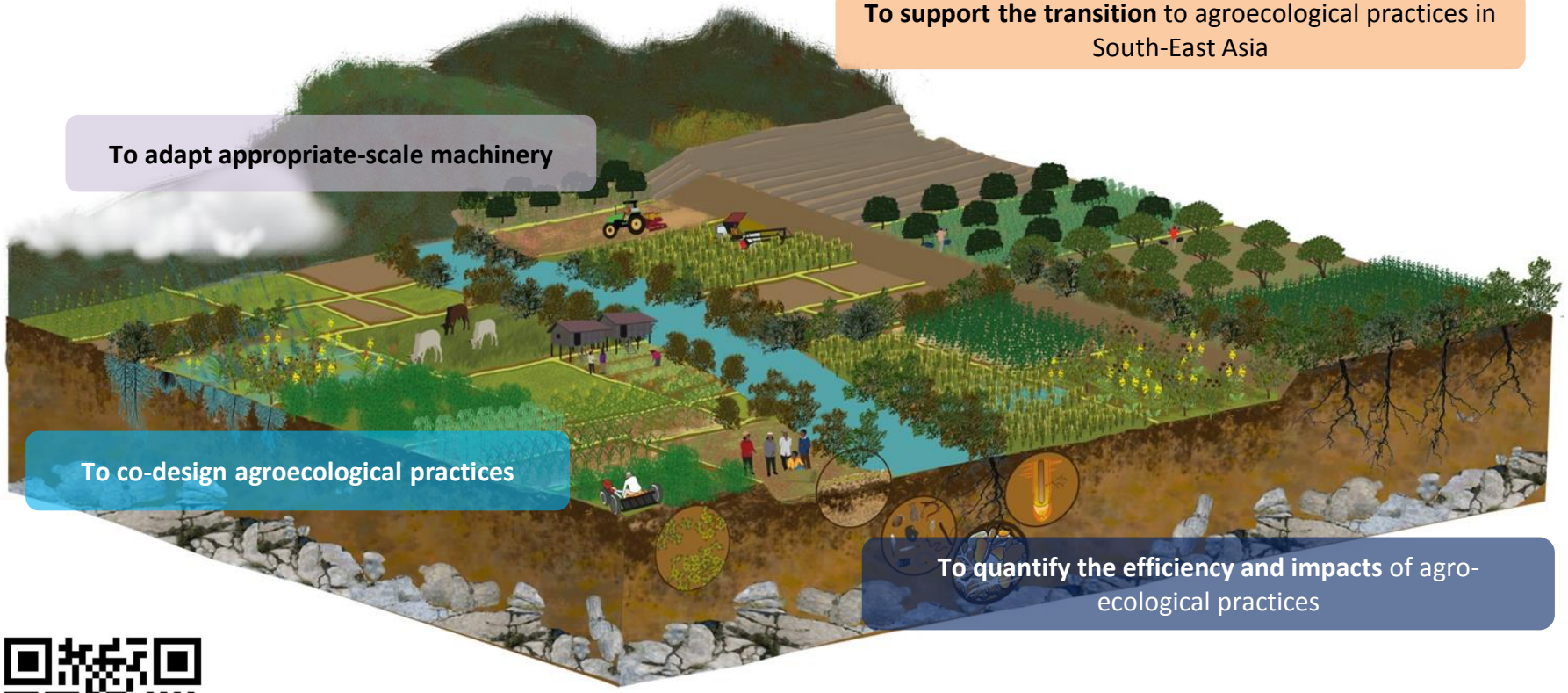
- Funded by Agropolis Foundation - Jan. 2015 to June 2017
- Partners: RUA CIRAD, GDA, UBB, SupAgro and UEPG

E-LEARNING OF RUA

- The RUA E-learning Platform have established in November 2015.

http://e-learning.rua.edu.kh

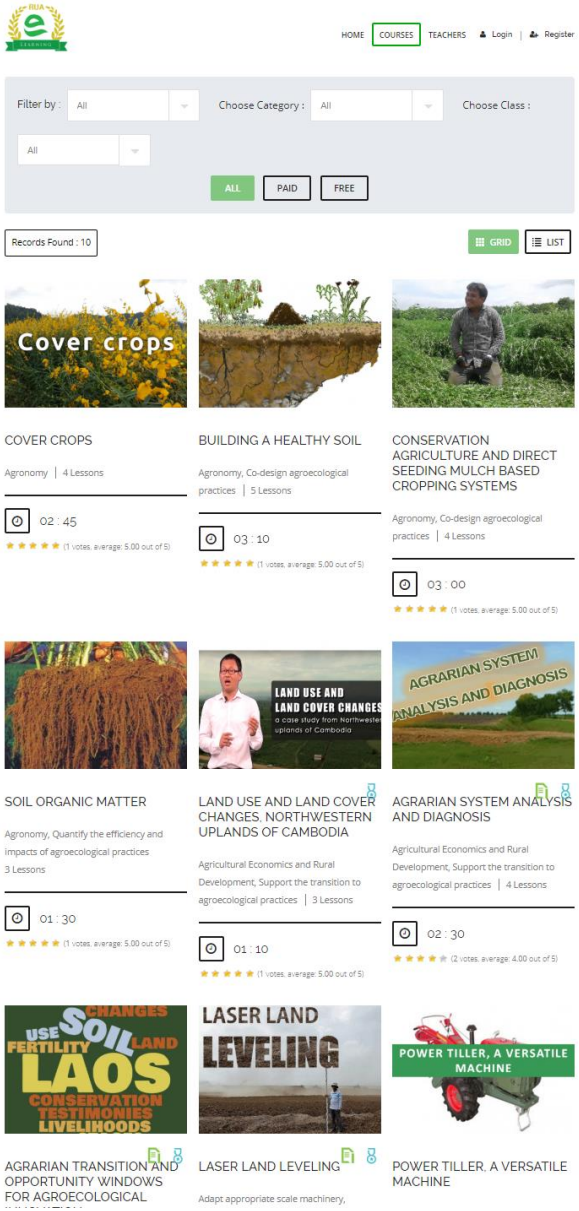
An E-learning platform
4 main dimensions: 10 main courses, 37 lessons



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

E-learning 10 Courses

1. Building a healthy soil
2. Soil Organic Matter
3. Soil Aggregation
4. Conservation Agriculture and Direct Seeding Mulch Based Cropping Systems
5. Land use and land cover changes, Northwestern uplands of Cambodia
6. Laser land leveling
7. Agrarian system analysis and diagnosis
8. Power tiller, a versatile machine
9. Agrarian transition and opportunity windows for agro-ecological innovation
10. Cover crops



MEET OUR EXPERT TEACHERS

SOPHEAK NOUN

HOK LYDA
Lecturer

LYTOUR LOR
Acting Dean

PHEAP SAMBO
Lecturer

GUILLAUME LESTRELIN
Researcher

NEANG MALYNE
Lecturer-researcher

HONG SOTH
Agricultural Engineer

KONG RADA
Researcher

FLORENT TIVET
Researcher

Behind teacher

- **RUA IT Team**

  Ms. Chanphakdey DOK
  Mr. Vichet LAY

- **Outside assistants**

  Mr. David WISOCQ
  Ms. Hortense JACQUEMAIN
  Ms. Camille GIRAUDET

- **Technical Support from Monpelier Sup Agro**

  Prf. Stephane DETOURNEDOT
  Ms. Sarah CLERQUIN

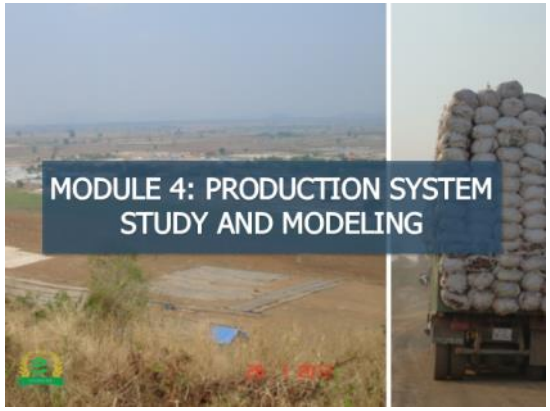
- **Technical Support from ITC – Cyber University team**

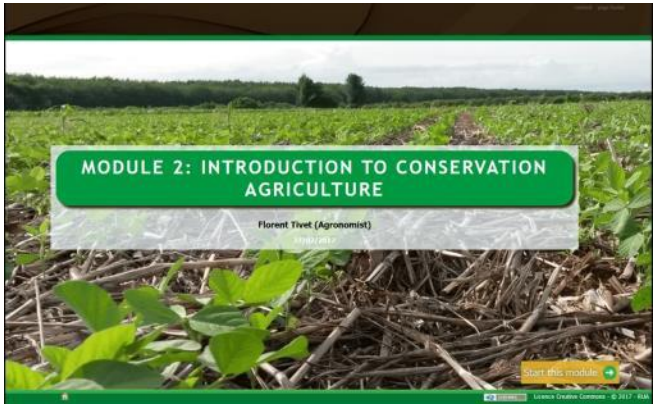
  Dr. Samboeurn HEAN
  Mr. Heng LAY
  Ms. Leng SEAK

USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT)

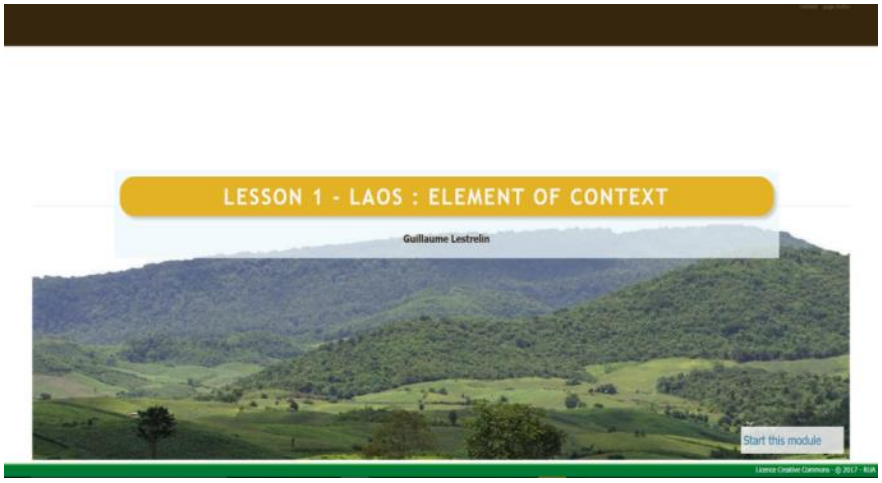
BUILD THE CONTENT

- **Scenarichain** as a authoring tool (open source)
- **Scenariserver** as collaborative authoring tool
- **And** Get ITC collaboration …..





FOCUS ON COURSES DESIGN



E-learning: course's interface

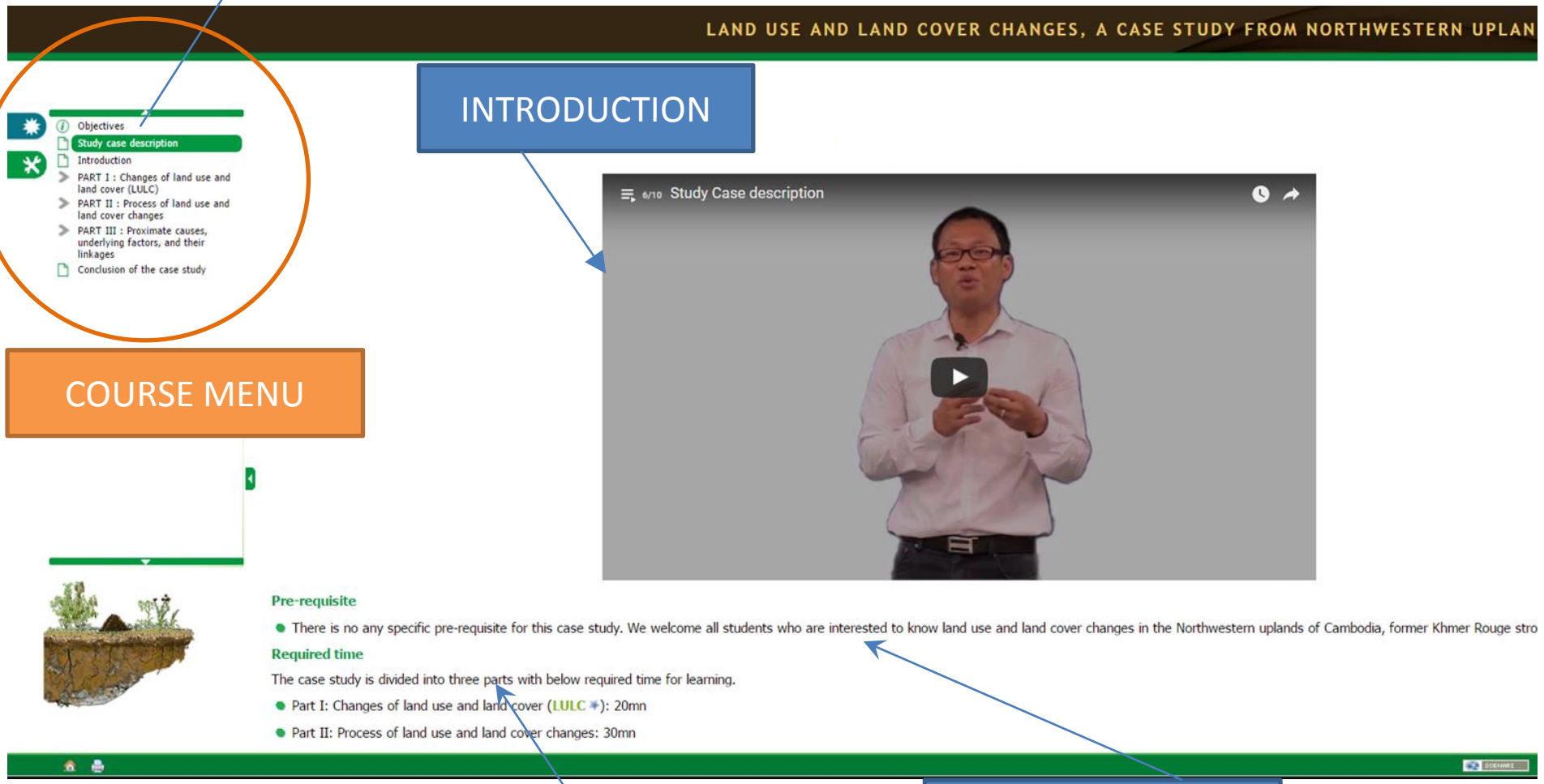
OBJECTIVES

INTRODUCTION

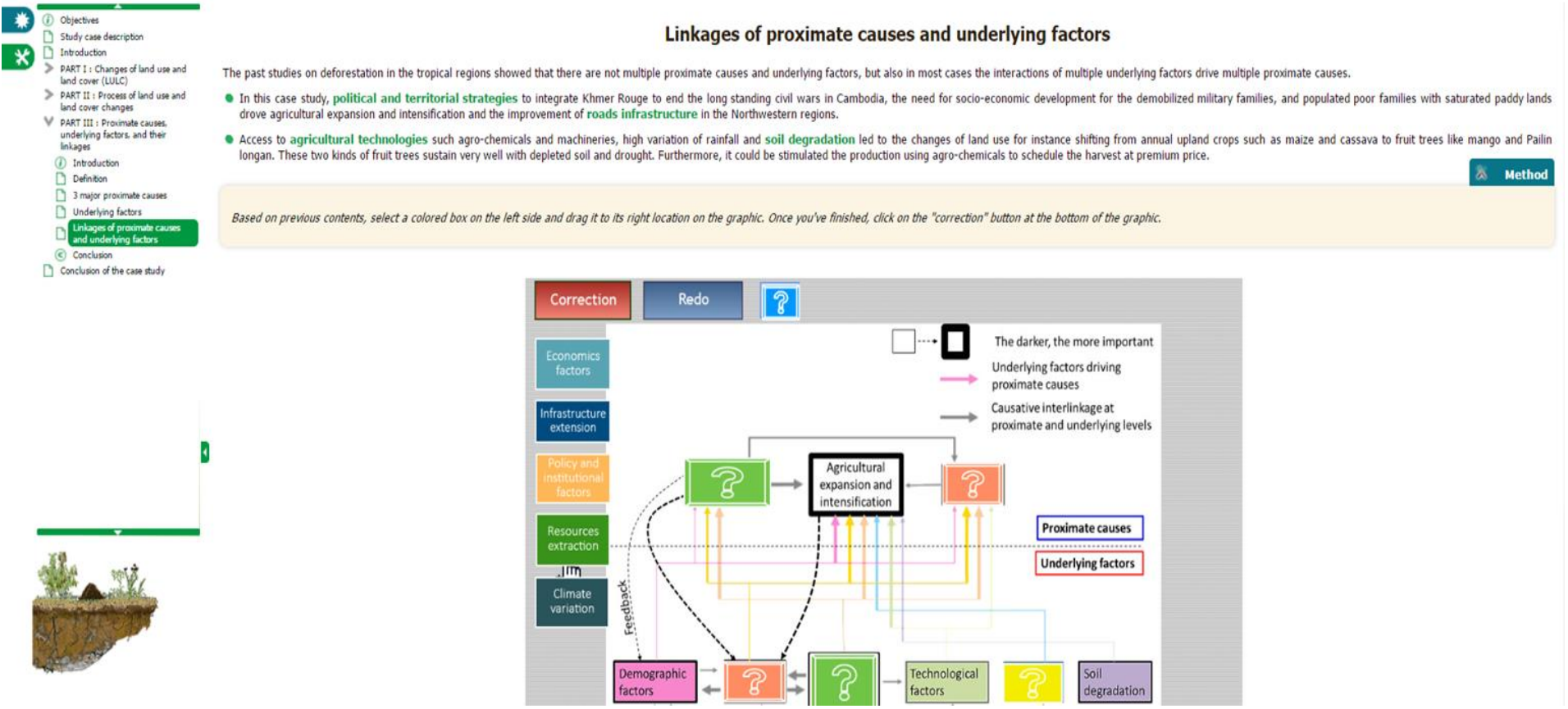
COURSE MENU

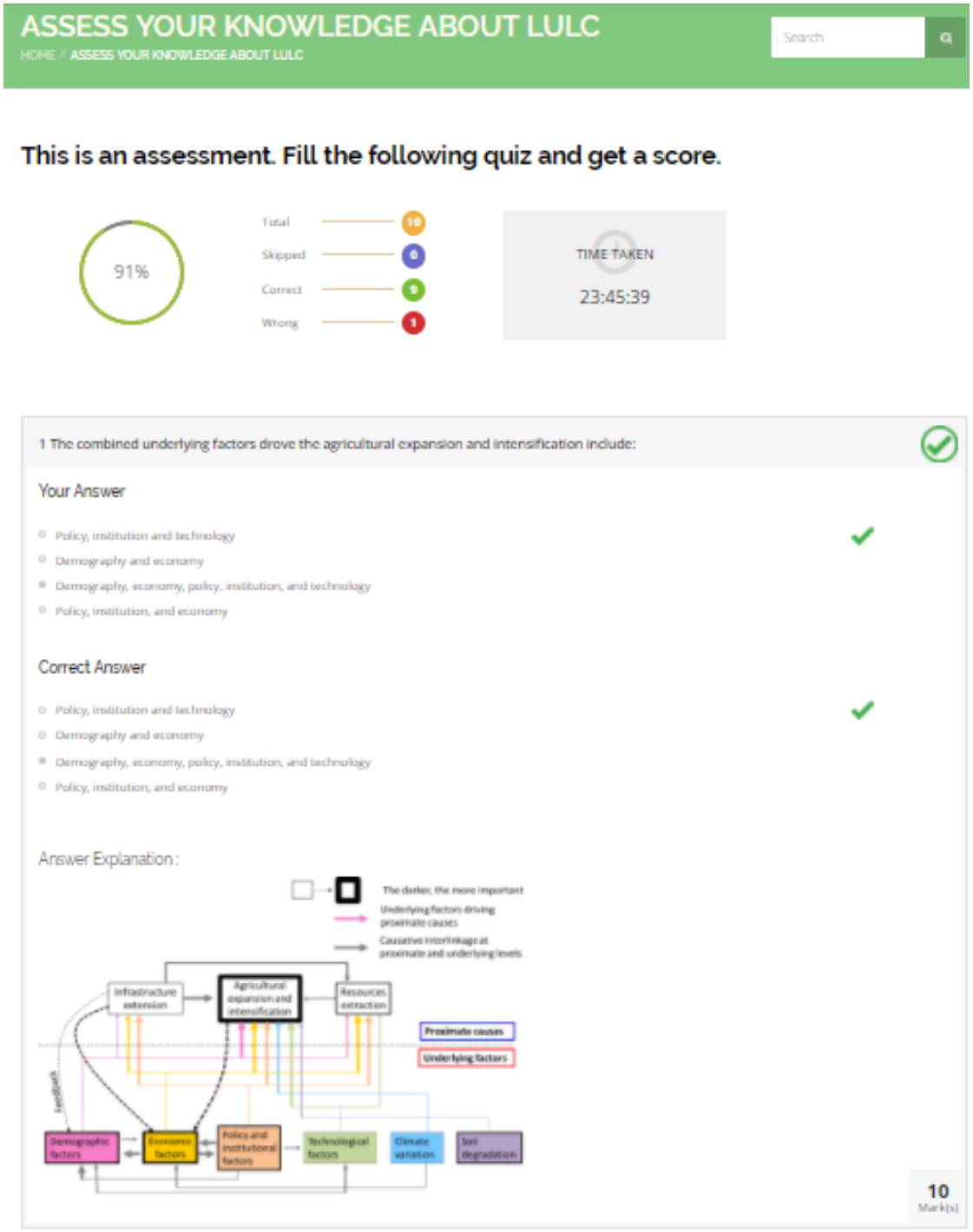
LEARNING TIME

REQUIREMENTS



Interactive learning:
Drag and drop: a pedagogical usage of ICT





Online assessment on the platform

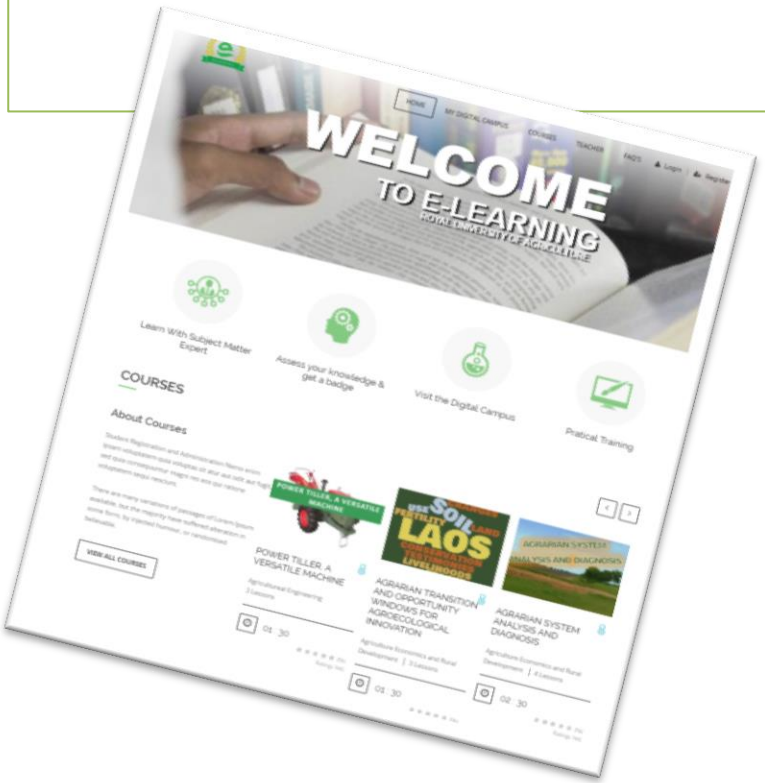
The score is saved on the platform. Students can have access to their scores by their personal dashboard.

Teacher have access to the score of students

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

TO DISSEMINATE RESOURCES

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



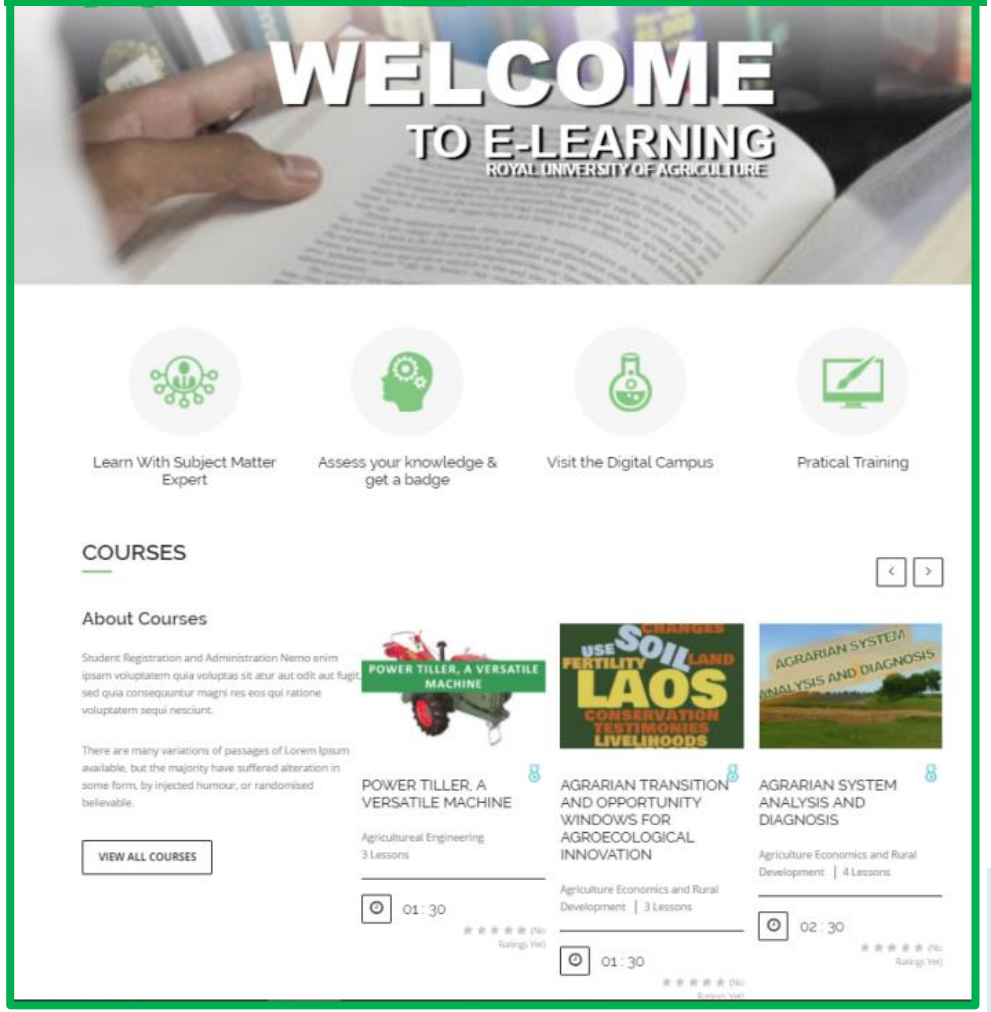
OUR CONTRIBUTION TO A NATIONAL AND REGIONAL DYNAMIC ON AGROECOLOGY

- 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.
- RUA teaches the new generation of researchers.
- Students get opportunity to learn in different, combined and integrated ways. We propose to present this dynamic and the main challenges that need to be addressed.
- Produce the pedagogical resources accessible for farmer

Several challenges need to be addressed to go further

- Need University policy support to develop **Blended learning**: encourage the lecturers to use the existing courses for their students complementary to face-to-face teaching…
- Improve the existing resources: (Upgrade the LMS platform to be more powerful management).
- Build our own capacities within the e-learning Center of RUA to help and give support to the professors and lecturers to design e-learning content.
- Improve the existing resources: (Upgrade the LMS platform to be more powerful management).
- There is the need to attract more beneficiaries such as professors and lecturers.
- Development E-learning for Language Center – possibility to use IPERCA resources as English for Agricultural Skill.

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



Thank you for your attention!

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