Leuven - 07/05/2018

Aim

- To transfer knowledge and skills on innovation in research and education.

  - KU Leuven staff and associated centres will explain the relevance of how to plan and implement innovation in research and education.

  - Various centres will provide useful insights into university facilities that can help to underpin a successful implementation of innovation in research and education.

  - A focus on communication and dissemination strategy in large scale projects.

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The University in the Global and Digital Age

How workshop programma links with KULeuven Strategy

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For the third year in a row, KU Leuven tops the Reuters ranking of Europe's most innovative universities.

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Most innovative universities in Europe

1. KU Leuven
2. Imperial College London
3. University of Cambridge
4. Federal Polytechnic School of Lausanne
5. University of Erlangen Nuremberg
6. Technical University of Munich
7. University of Manchester
8. University of Munich
9. Technical University of Denmark
10. Swiss Federal Institute of Technology Zurich

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Most innovative universities in Europe

- "This year's university ranking also shows how smaller countries can have an outsized presence in the world of innovation."

KU Leuven Strategy 2017-2021

1. Future Oriented Education @ KU Leuven

2. Going Digital @ KU Leuven

3. Sustainability @ KU Leuven

4. Interdisciplinarity @ KU Leuven

5. Truly International @ KU Leuven

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KU Leuven campuses with English-language course offerings
Flanders
Wallonia

OSTEND
BRUGES
ANTWERP
GEEL
GHENT
SINT-KATELIJNE-WAVER
AALST
LEUVEN
DIEPENBEEK
BRUSSELS
KORTRIJK

Truly international @ KU Leuven

- ## Towards International Classrooms

  - Double the number of international students

  - More bachelor programs in English

  - MicroMasters as stepping stone

- ## Student Mobility for all

  - Towards an international experience for all students

  - KU Leuven Global Exchange program

  - Structural mobility

  - Short mobility (summer schools, research internships…)

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Truly international @ KU Leuven

- Strong collaboration with International Organsisations

- Brussels: most 'diplomatic' city in Europe

  => Create a university-wide online platform where IOs can present themselves and offer work placements, training or jobs.

- Get access to Young Professional Programmes.

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Truly international @ KU Leuven

- Strong involvement in League of European Research Universities (LERU) or Coimbra

- Structural cooperation with renowned research universities.

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Going Digital @ KU Leuven

Why? Digital education fostering

1. learning

interaction, collaboration, critical & creative thinking, omnichannel, etc.

2. assessment

online assessment, feedback, dashboards, assessment centers, etc.

3. life long learning

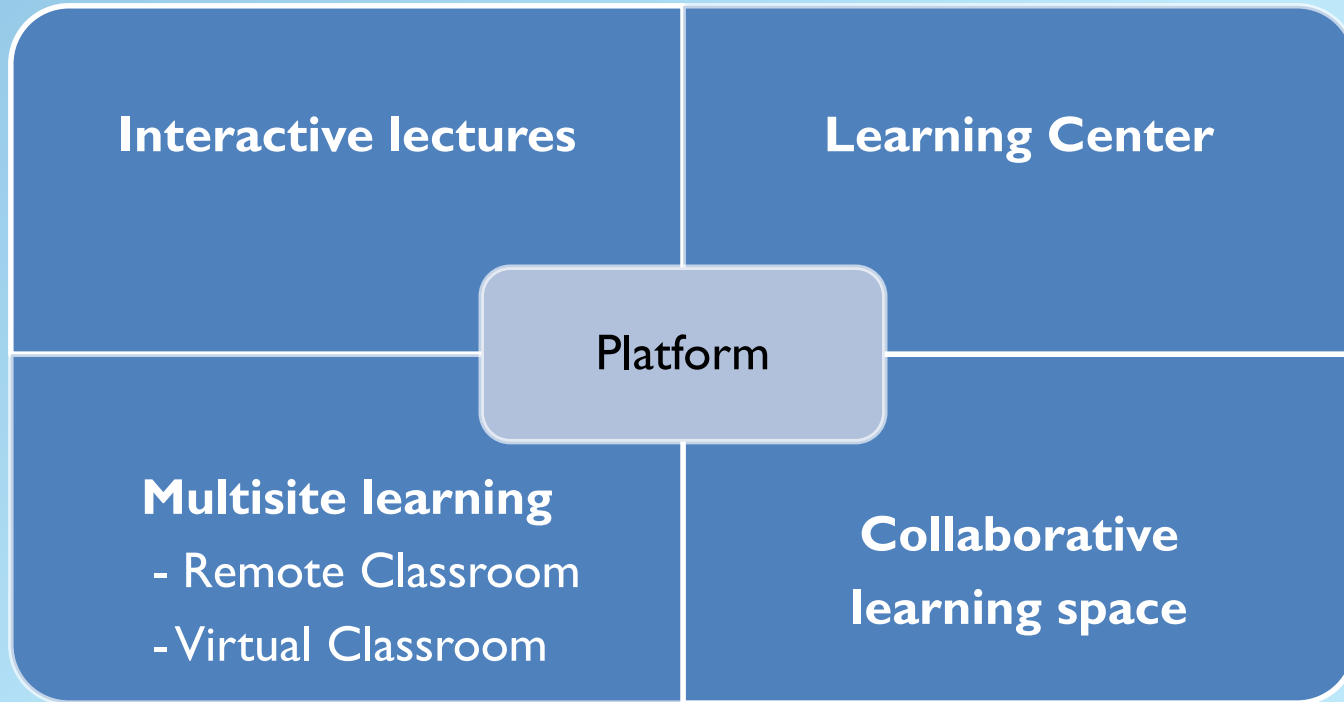continuous education, multisite education, etc.

4. internationalization

MOOCs, MicroMasters, virtual classrooms, etc.

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What?

1. Learning experience platform

2. Online assessment

3. Learning Spaces -> Edulab

4. MOOCs & MicroMasters

5. Learning Analytics

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Edulab@kuleuven

Interactive lectures

Learning Center

Platform

Multisite learning
- Remote Classroom
- Virtual Classroom

Collaborative learning space

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Interactive lecture

- Manageable interactivity through **quiz / poll / silent questions**

- Bidirectional communication with extra classrooms through **room overflow**

- Recording of lectures (including automatic processing, text recognition,…)

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All features of the interactive lecture and additionally:

- **Flexible work stations** with shared display

- **Bidirectional screen sharing** between students and teachers

Collaborative learning space

Open learning centre

Student centered
- Rooms for teamwork

- Presentation room

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Remote Classroom:
- group on a different location
- including a group of students present at 'base location'
Virtual Classroom:
-   number of individuals on multiple locations

Multisite learning
 - Remote Classroom
 - Virtual Classroom

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Learning spaces @ KU Leuven

- Interactive & collaborative learning in
  lectures & practicals
  learning centers
  remote & virtual classrooms

- Learning spaces for specific disciplines
  (*simulation lab, language lab, science lab, maker spaces*, etc.)

- Agora, Quadrivium, ALO-complex, Edulab, etc.

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Going Digital @ KU Leuven

- **Leuven Learning Lab (LLL)**
  - Will become the expertise centre for everything to do with didactic and educational technology.

  - Each year, a number of new technologies will be implemented in practice, first in a testing phase, later perhaps university-wide.

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MOOCs & MicroMasters @ KU Leuven

MOOCs

Data Analytics in Health: From Basics to Business (EIT Health KIC)

Europeana Space: Creative with Digital Heritage (EU – Europeana)

Existential Well-being Counseling: A Person-centered Experiental Approach

The EU & Human Rights (FP7)

The Great War and Modern Philosophy

Trends in e-Psychology

UML Class Diagrams for Software Engineering (B2B)

Web Security Fundamentals

Wiskunde voor (startende) studenten

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MOOCS and MicroMasters

- MicroMasters programs are a series of graduate level courses from top universities designed to advance your career.

- They provide deep learning in a specific career field / recognized by employers.

- Getting an online 'sneak preview' of a KU Leuven programme: that is the purpose of the MicroMasters.

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Truly Interdisciplinary

- Establish an Institute for Advanced Study.

  => identify research fields or topics that tie in with the priorities of the university.
  => Involve external international experts.

- To promote cooperation between disciplines, two or more faculties can jointly appoint professors.

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Program

1. Digital innovation

2. Internationalisation

3. Communication and dissemination

=> All come together in developing competitive research projects

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Program Monday

- FRAME Project *Anna-Luise Chané, Brecht Lein, Michal Ovádek, Thomas Goyvaerts*

- *Break*

- Massive Online Open Courses (MOOCs) *Kenny Verbeke*

- MIMIR Logistical Aspect *Mariana Szefner*

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Program Tuesday

- AGORA Facilities – presentation and tour *Thea Decombel* AGORA is the learning centre for students and staff of KU Leuven. It is an all-embracing learning space, a social hub where students and staff of our university can meet.

- *Transport*

- Welcome and introduction to ICTS *Sofie Pieraerd*

- Services for researchers *Griet Frederickx, Kristel Hoydonckx* - ICTS is the central computer department of KU Leuven. This presentation will provide information on their services, as well as on scientific software, storage and data management.

- DingNet *Sofie Pieraerd* -> DingNet creates an experimental environment for Internet of Things (IoT) applications and research.

- *Lunch | Wrap-up*

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Program Tuesday

- Research Coordination Group Human and Social Sciences *Annelies Duerinckx* This presentation focusses on lessons which non-European universities can draw from successful research applications in the context of H2020.

- *Coffee break*

- League of European Research Universities (LERU) *Kurt Deketelaere* The League of European Research Universities (LERU) is a prominent advocate for the promotion of basic research at European research universities, consisting of 23 universities all over Europe.

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Program Wednesday

- KU Leuven Research & Development *Hannelore Vanhaverbeke* This presentation focuses on the wider benefits of Open Access and Open Data.

- Transport

- LIMEL – presentation and tour *Anke Pesch* - Leuven Institute for Media and Learning) provides support, services and materials for students and staff in producing video and audio material.

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