ITELab – Innovating ITE curricula

Key Action 2 - Knowledge Alliance project

ITELAB PROJECT OVERVIEW

November 2017

http://itelab.eun.org
ITALab (Initial Teacher Education Lab) is co-ordinated by EUN and co-funded under the European Commission’s Erasmus+.

Knowledge Alliance project between higher education institutions and industry.

Project duration is from January 2017 to December 2019.

Sustainable - under the umbrella of EUN’s Future Classroom Lab initiative - ITE Forum.
WHY THIS PROJECT?

- ‘disconnect’ between ITE and the continuing professional development of teachers in schools.

- **innovate and integrate ICT within ITE curricula** within higher education institutions.

- **prepare student teachers for dynamic C21st classrooms**, with the digital competences required for the use of ICT in teaching and learning.
ITELAB CONSORTIUM

- 5 ITE pilot organisations
  - University College Dublin (IE)
  - University of Newcastle (UK)
  - Polytechnic Institute of Santarem (PT)
  - University of Agder (NO)
  - University of Perugia (IT)

- 4 industry partners
  - Microsoft
  - IRIS Connect
  - SMART Technologies
  - Steelcase

- ITE Pilot evaluation
  - University of Würzburg (DE)

Coordinator
- European Schoolnet

Pedagogical Board
- Six independent experts – wider stakeholder interests, feedback and recommendations

Associate Partners
- Universities, Industry, Ministries of Education and Regional Education Authorities participating as unfunded Associate partners
- Members of an on-going University-ICT industry Education Forum – ITE Forum

Independent Evaluator
- Project operations and final deliverables
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<td><strong>Co-Lead-UoA</strong> Student teacher and teacher educator competences</td>
<td><strong>Lead-UCD</strong> Design framework and protocols, F2F modules, Student voice ITE Forum</td>
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**ITELAB – PROJECT WORK PACKAGES**

**EUN Project Coordination**

Project partner inputs all WP

Steering: Pedagogical Board

*Co-funded by the Erasmus+ Programme of the European Union*
**ITELAB IN A ‘NUTSHELL’**

**2017**
- **ITE Forum**

**2018**
- **Online exchange, inform, discuss, mainstream**

**2019**
- **60 ITE, 15 MoE, 20 Industry**

**Information gathering:** case studies and monitoring of ICT within ITE; competences

**Design and development**
- **CDW 1**

**2018**
- **ITELab module A Pilot1: BETA**
- **ITELab student teacher MOOC1: BETA**
- **Feb-May 18**

**2019**
- **Design and development**
- **ITELab modules pilot2: OPEN**
- **ITELab student teacher MOOC2: OPEN**
- **Feb-May 19**
- **CDW 3**

**30 ITE**
- **5,000 students**

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*Translation of ITELab modules and MOOC materials: IT, NO, PT. **CDW: capacity development workshops.*
ITELAB - PROJECT RESULTS AND SUPPORTING DOCUMENTS

- Literature Review Report on the Integration of ICT in Initial Teacher Education (ITE) – published 14/03/2017
- Charter for Associate Partners – published 14/03/2017
- Promotional project brochure – published 02/06/2017
- ITE Monitoring Report 1 of ICT withing ITE – published 17/07/2017
- EUN Perspective paper on ICT in ITE – published 02/08/2017
- Initial Case Studies on Preparing student teachers for the future classroom – published 19/09/2017

All are published under News: http://itelab.eun.org/news. Main project results can be accessed from the Research page as well: http://itelab.eun.org/research

Please support the dissemination of these results using your own communication channels
IRIS Connect partners with Erasmus Plus’ ITELab

We are excited to announce our involvement in a new European-wide project focused on improving initial teacher training in the use of ICT to enhance pedagogy.

The “ITELab” knowledge alliance funded by the EU Erasmus Plus programme has been formed to address the need for training on pedagogical use of ICT during initial teacher education (ITE) and bridge the gap between ITE and on-going professional development.

What it entails
The alliance will create new ITE modules and associated learning content. A network of ITE providers and ICT industrial (technology) companies will be involved to collaborate and develop innovations to meet educational needs. The project is being piloted in the existing Future Classroom Lab environment within the Erasmus+ Network.

Who is involved
The 3-year co-creation project is a partnership between ITE providers from 7 European countries (UK, Ireland, Germany, France, Italy, Portugal, Norway). It is funded by the Erasmus+ programme and involves the European Commission and industry partners.

2016
Presentations from conferences
Webinar archive

Erasmus Seminar 2017

This year’s Erasmus seminar takes place in Kristiansand 3rd and 4th of November 2017. The seminar is organized in collaboration between IKTU and the University of Agder.

About the Erasmus Seminar 2017
The Center for Internationalization of Education (SKI) also invites you to the annual Erasmus Seminar for the UH sector. This year’s seminar is organized in cooperation with the University of Agder and takes place in Kristiansand. The seminar will be held over two days. In addition, there will be a reception the night before the first day.

This year, Erasmus hits 30 years, and this will be celebrated.
The main objective of the seminar is to look at different ways Erasmus + can benefit Norwegian education and inspire good practices. National action plans for Erasmus + will be in focus.
This year’s seminar is focused on the future of the program, but we also treat ourselves a little back and a celebration of Erasmus has been through for 30 years.

Registration deadline
10/11/2017

When
From: 03. Nov. 2017 09:00 To: 04. Nov. 2017 15:00

Where
University of Agder, Campus Kristiansand

Co-funded by the Erasmus+ Programme of the European Union
CASE STUDY 1 – UNIVERSITY OF AGDER, NORWAY

UNIVERSITY OF AGDER

The University of Agder is a public university offering Pre-school, Primary and Secondary Teacher Education. From autumn 2017, the 5-year master’s programmes for future primary and secondary teachers will emphasise professional digital competence in all aspects of their programmes.

FRAMEWORKS FOR CHANGE

Agder, working with The Norwegian Centre for ICT in Education's Framework for Teachers’ Professional Digital Competence (PfDK) of May 2017, is embedding a shared understanding of teachers’ professional digital competence across the university and all its initial teacher education programmes.

INNOVATIVE APPROACHES TO INTEGRATING ICT IN ITE CURRICULA AT AGDER

- The university's new strategic plan recognises that digital competence needs to be integrated as a specific competence area that is important for the work of all teachers. They plan that every subject will have its own learning outcomes connected to ICT.
- Teacher educators and student teachers will receive practical training in pedagogic digital competence through the university’s new ProDig Programme.
- ProDig online modules are being developed in cooperation with teacher educators, classroom teachers, subject discipline specialists and university staff to ensure that content is relevant and current to the integration of ICT and pedagogical ICT competence for the future classroom.

Read Agder’s story... (http://bit.ly/ITELab_Cstudy)
The University of Perugia offers initial teacher training for kindergarten and primary school. Particular attention is given to the acquisition of competence in English and digital competence. Specific training is given on the integration of pupils with special educational needs.

FRAMEWORKS FOR CHANGE

The Italian Digital School National Plan provides for digital competence in schools and in initial teacher education. Having a national vision on the integration of ICT and the training of student teachers is an important factor for promoting digitally competent and confident future teachers.

Perugia employs the TPACK Model as a framework for student teacher knowledge of technological, pedagogical and content knowledge. As an ITE primary education provider, the university offers teacher training in inclusive education and student teachers are given an understanding of digital resources and tools that can support the participation and learning of pupils with disability and special educational needs.

INNOVATIVE APPROACHES TO INTEGRATING ICT IN ITE CURRICULA AT PERUGIA

- In Perugia digital technology is seen as a tool for facilitating teaching and learning throughout the primary curriculum and is integrated across all subject disciplines.
- All student teachers undertake Education Technologies Courses, which integrate the pedagogical use of ICT in all ITE subject disciplines. All students are required to create a professional ePortfolio, which is submitted for evaluation and assessment.
- Student teachers also have practical workshops and courses in The Educational Technology Lab. All courses are ECTS (European Credit Transfer and Accumulation System) accredited.

Read Perugia’s story... [http://bit.ly/ ITELab_Cstudy1]
CASE STUDY 3 – THE JULIUS MAXIMILIAN UNIVERSITY OF WÜRZBURG, GERMANY

The Julius Maximilian University of Würzburg provides teacher training to large numbers of primary, secondary and special needs student teachers (approximately 1,400 per academic year in School Pedagogy). All student teachers must study at least two subject disciplines as well as Education Science, School Pedagogy and Educational Research as well as, Primary, Secondary or Special Needs Education.

FRAMEWORKS FOR CHANGE

At Würzburg, the new national digital competence framework for student teachers Pedagogical Media Competencies of Student Teachers (M³K) is applied in all ITE programmes. The M3K framework has three competence areas in which competency and learning outcomes are clearly defined: Teaching with media; Teaching about media and Developing concepts for school development.

INNOVATIVE APPROACHES TO INTEGRATING ICT IN ITE CURRICULA

It is in School Pedagogy at Würzburg that the most specific and innovative uses of ICT and the development of pedagogical digital competence skills are to be seen. Lectures with 600 multi-disciplinary students in a traditional lecture hall have been “flipped” with technology, collaborative learning and digital aids employed to demonstrate to future teachers how they also can implement new pedagogical models in their future classrooms.

- In ‘flipped lectures’ students watch video exemplars or read digital texts in preparation for the ‘lecture’. The lecturer/teacher educator discusses topics and invites students to respond to questions through the use of digital tools. Small group discussions then takes place while the lecturer moves through the hall to collect exemplary answers with a microphone for further discussion.

- Active learning methods are emphasised in ‘flipped seminars’ to groups of 30 students. Fun and playful courses such as the classroom management skills course, which used the virtual reality system of the Breaking Bad Behaviours project were offered as three parallel courses in 2017 to cope with the demand from students. Students work cooperatively in small groups in the School Pedagogy’s flexible well-equipped workspace ‘The Media and Educational Technology Lab @JMU’.

Read Würzburg's story... (http://bit.ly/ITELab_Cstudy)
**CYCLE ONE:**

**BETA versions (Feb 18)**

- **Content:**
- **Information gathering:**
- **Partners:**
- **Modules and MOOC develop plan:**
- **Partner discussions:**

**BETA Trial:**
Feb-May 18
Module A, 5 partner Universities; MOOCv1 Ptnrs & Assoc Ptnrs

**CYCLE TWO:**

**EVALUATE**

- **Content:**
- **Information gathering:**
- **Partners & Assoc. Partners:**
- **Modules and MOOC develop plan:**
- **Partner discussions:**

**RELEASE versions (Feb 19)**

**FULL Trial:**
(Feb-May 19)
Partner & Assoc Ptnrs

**EVALUATE**

**FINALISE**

**PUBLISH**

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Co-funded by the Erasmus+ Programme of the European Union
The objective in WP3 is “boosting innovation in Higher Education” as indicated in the Call by enabling ITE providers and ICT companies to work together in order to:

• develop new course modules for student teachers that prepare them as new entrants to the profession to make innovative pedagogical use of ICT; including by adapting existing continuing professional development (CPD) resources from companies.

• rethink the way that the pedagogical use of ICT is covered in ITE and provide recommendations and innovative start-out materials and guidance for how higher education institutions beyond the project should adapt their curricula.
HALLMARKS OF ITELAB MODULES

- Good-practice Design Principles
- Thoughtful Pedagogical approaches that blend Content, Technology & Activity
- Emphasis on Reflection & demonstration
- Core focus on Communication & Collaboration

http://cloudworks.ac.uk/cloud/view/5950
http://www.irisconnect.com/uk
REFERENCE POINTS....
‘NORTH STAR’ REFERENCE POINT


![Figure 1: Overview of the DigCompEdu framework](https://example.com/digcompeduFramework.png)
### Teaching, Learning, & Professional Development In the Digital World
- Designed to introduce & develop practice relating to networks that connect you to people and sources of pedagogical ideas / materials and personalised CPD.
- Organising, and participating in, and leading learning networks.
- Professional engagement; communication, collaboration and development.
- UCD [Dr Conor Galvin]
- Agder
- Newcastle
- Perugia
- Microsoft
- IRIS Connect

### Designing for Learning in a Digital World
- Designed around developing & using effectively a range of digital instructional and learning materials; plan, resource, deliver and evaluate across of digital media; identify opportunities and plan effectively for small-scale projects.
- Finding, evaluating and using Resources.
- Embedding digital pedagogies
- Innovative teaching / learning strategies
- UCD [Dr Shane Bergin]
- Perugia
- Santarem
- Smart Technologies
- Steelcase

### Effective ways to use digital technology in teaching & learning settings
- Designed to engage students as digital learners; including building capability in finding and using digital content, Web 2.0 basics, social networking, and balanced uses of online tools and resources.
- Actively empowering students as learners and professional self-development.
- Information & media literacy
- UCD [Dr Aoibhinn Ní Shuilleabháin]
- Perugia
- Agder
- Santarem
- IRIS Connect
- Smart Technology
Main focus

• Introduce and share innovative & practical ideas in the field of Active Learning

• Promote digital judgement

Take-away … for the next day
This project has been funded with support from the European Commission.

Teacher of 21st Century
- Networked teacher
- Lifelong Learner
- Digital judgement

  e.g.
  - Curation
  - PLN
  - Communities
  - Social media learning
  - Snack Learning
  - Communication
  - Digital Literacy
  - OER

Active Learning
- e.g.
  - Learning Design
  - Flexible Learning Spaces
  - Cloud Learning
  - Project based learning
  - Collaboration

Teaching and Learning with Technology
- e.g.
  - Added value of technology
  - Technology and Pedagogy
  - Classroom and Productivity tools

MOOC PILOTE - OPEN

MODULES

UNIVERSITIES

Mod 1

Mod 2

Mod 3

Mooc 1

Mooc 2

Mooc 3
ITELAB – CALL FOR ASSOCIATE PARTNERS

Charter for Associate Partners
Itelab.eun.org

http://itelab.eun.org/partners/associate-partners
JOIN ITELAB AS AN ASSOCIATE PARTNER

ENGAGE IN THE ITE FORUM (online):

- **share knowledge**, best practices in the pedagogical use of ICT in initial teacher education.
- **input to recommendations** to support student teachers, linking to schools and ongoing CPD.
- **inspire** ITE to innovate, to make student teachers stand out in the C21st classrooms.
- **review/use new open source course modules and MOOC** - student teacher online course

**FUTURE TEACHERS - FUTURE CLASSROOMS - INNOVATION OF CURRICULUM**
## ITE FORUM – AUTUMN 2017 PROGRAMME

**Focus:** cross-fertilisation of ideas and best practice approaches

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<th>2017</th>
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<td><strong>October</strong></td>
<td>Knowledge exchange webinar: changes in initial teacher education, three university case studies</td>
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| Thurs 19th Oct 15h-16:30CEST | • University of Agder  
                          | • University of Perugia  
                          | • University of Würzburg  |
|                    | Click [here](#) for the recording.                                         |
| **November**       | Capacity development workshop @ EMINENT: innovating ITE curricula          |
| 16/11              | • [Click here](#) for the EMINENT programme and more information.          |
| **December**       | Knowledge exchange webinar - changes in initial teacher education, examples of ways industry working with universities |
| Tues 19th Dec 15h-16:30CET | • IRIS Connect  
                          | • Microsoft  
                          | • SMART Technologies  
                          | • Steelcase |
ITELAB PROJECT PARTNERS

Coordinator:
ITELab (Initial Teachers Education Lab) is a Knowledge Alliance project between higher education institutions and industry to foster innovation and knowledge exchange in initial teacher education (ITE). Project number: 575828-EPP-1-2016-1-BE-EPPKA2-KA. It is co-funded under the European Commission’s Erasmus+ Programme from January 2017 to December 2019.

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