Up2U
The European Project to Close the Gap between Secondary and Higher Education

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In a nutshell

• EC Call ICT-22-2016: Technologies for Learning and Skills
  • easy creation, mix and re-use of content, services, applications and contextual data for interactive learning processes
  • environments for new learning experiences and experimentation
  • educational support services

• The key objective of our project is to bridge the gap between secondary schools and higher education by better integrating formal and informal learning scenarios and adapting both the technology and the methodology that students will most likely be facing in universities.

• Innovation Action getting 5ME funding from the EC for 3 years
Up2U Consortium

18 partners
• Universities
• NRENs
• Infrastructure providers
• Commercials

12 countries
• EU
• Switzerland
• Israel
Next Generation Schooling

1. Personalized
2. Strong teacher support
3. Close community links
4. Broad and diverse curriculum
5. Outside and inside school involvement

• Create the right conditions and children will learn!
‘Always-on’ education
From LMS to NGDLE concept

LMS-based architecture
Tools are integrated into the LMS via specific plug-ins or lately LTI. Learning Analytics is happening inside the LMS.

Transitional architecture
LTI becomes the predominant Learning Tool Integration method. More tools are interacting directly with each other. LA is getting information from connected tools.

NGDLE architecture
Ecosystem of integrated, interoperable set of tools. LMS is not that important, if exists at all. Learning Analytics is an externalized function collecting all learning data from tools.
Next Generation Learning Platform

- Open Technology
- Standard APIs
- Value-add
- Scalable
- Modular
- Portable
- Interoperable
• Open Technology
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State-of-the-art federated WebSSO & group management

Open-source Learning Management System with LTI integration

Pan-European GÉANT network substrate: Content Distribution Network, WiFi access
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Up2Universe® Toolbox

https://up2university.eu
State-of-the-art federated WebSSO & group management

Up2U Service web front-end

Open-source Learning Management System with LTI integration

Interactive notebooks with federated sharing by CERN

Enterprise File Sync & Share solution with federated sharing across domains

Up2Universe® Toolbox

Pan-European GÉANT network substrate: Content Distribution Network, WiFi access
State-of-the-art federated WebSSO & group management

Extended Learning Analytics and recognition system

Up2U Service web front-end

Enterprises File Sync & Share solution with federated sharing across domains

Pan-European GÉANT network substrate: Content Distribution Network, WiFi access
Buid as needed

- Rapid prototyping
  - Start with something existing quick
  - Consolidation functions
  - Develop what we need

- Build a platform (fit for purpose)
  - Mobile
  - HTML5
  - Cloud
  - Interoperability
Statement

“We strongly believe that all the tools and services the project is going to use and/or make available (i.e. incorporate, design, develop and test) must be sustainable after the lifetime of the project.”

• business plans and investigate appropriate business models using the expertise of the Small Medium Enterprise and National Research and Education Network partners and their contacts with third-party business actors

• make it easy for new schools to join the Up2U infrastructure and ecosystem that will form a federated market-place for the learning community