Up to University-Up2U!

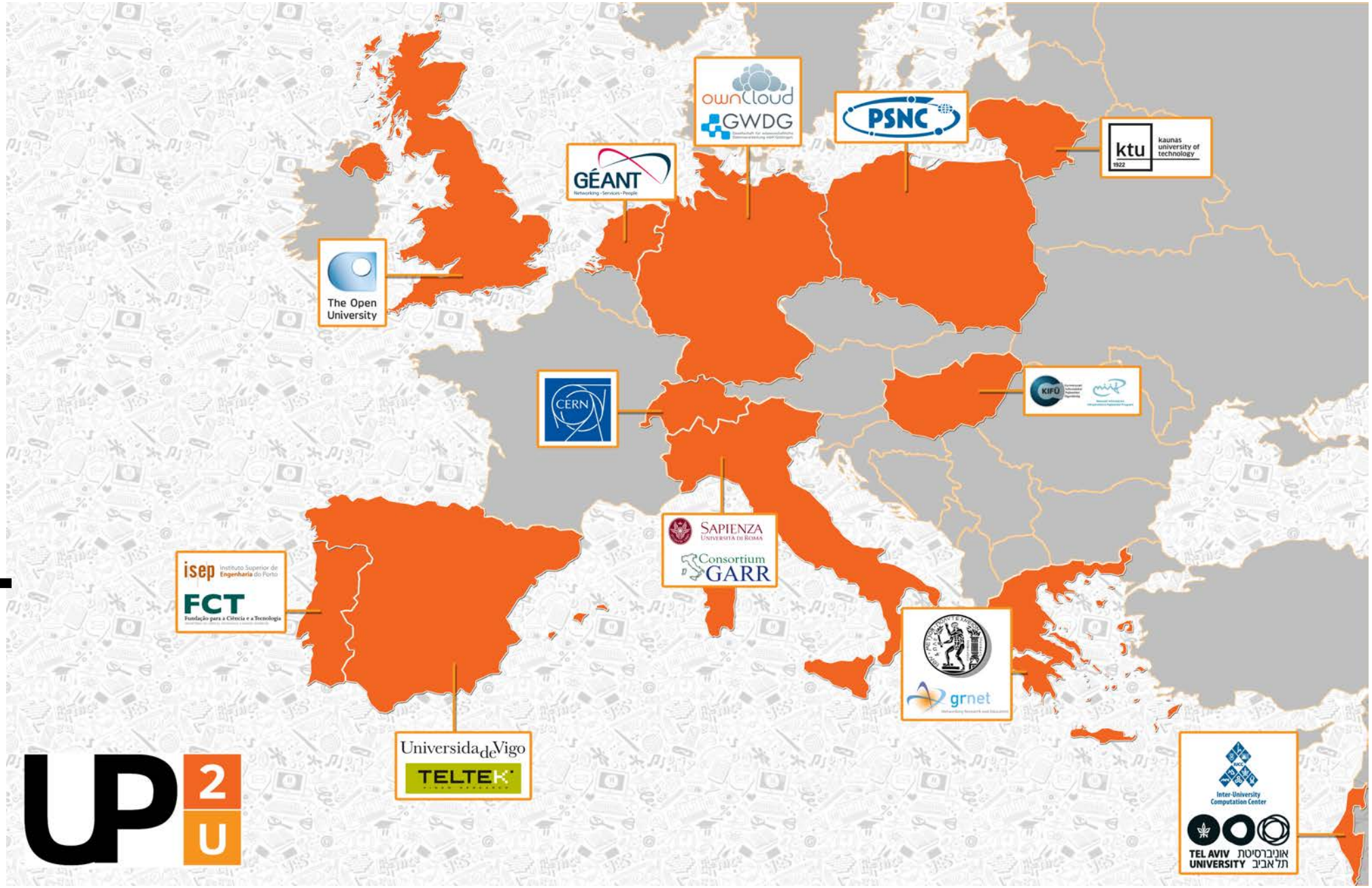
Barbara Tóth
KIFÜ, Hungary

GÉANT Special Interest Group meeting
13-15 March 2018
Espoo, Finland

Introduction to the project

- Up2U is a **36 month** collaborative project with **5M Euro** funding that kicked off in **January 2017**.
- Key objective: bridge the gap between secondary schools and higher education & research by enhancing the students' digital skills.
- The project is coordinated by GÉANT and gathers **18 partners** from **12 countries** across Europe including NRENs, traditional and open universities, infrastructure providers and two commercial partners.

Up2U PARTNERS



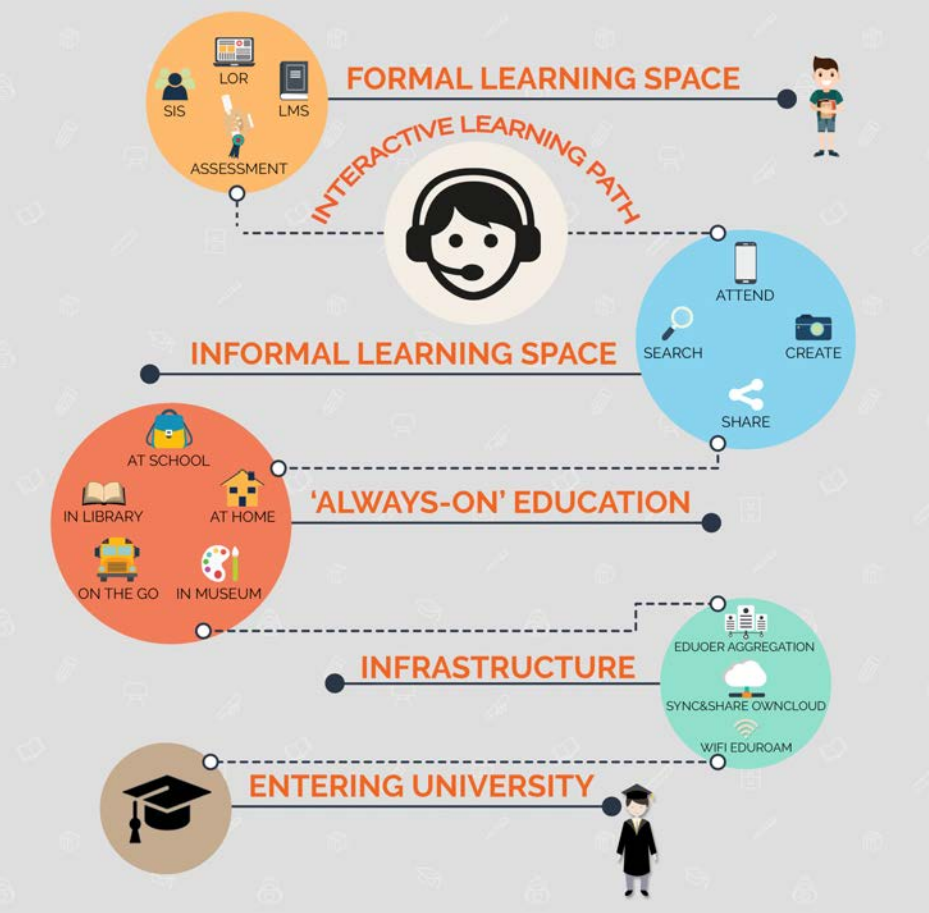
Up2Universe ecosystem

- Our goal is to create a **universe of tools and services** that help high school teachers, and students to improve their teaching and learning practices.
- These technological tools allow greater ease of communication **inside and outside of the classroom,** improving interactions and providing new ways to access knowledge in the **digital age**.

Supported pedagogy methods

- Project-based learning embedded in design.
- Informal learning scenarios.
- Hybrid learning environment.
- Virtual classroom.
- Support personalized learning paths.
- Peer-to-peer learning scenarios.

Next Generation Digital Learning Environment 2/1.



- Our architecture is modular, scalable and portable.
- We use open technology and standard protocols wherever we can.
- Our ecosystem is compliant with the latest GDPR regulations by design.
- Our platform is Moodle based, since this is the nr.1 platform that teachers use.

Next Generation Digital Learning Environment 2/2.

- WebSSO (eduGAIN, social media accounts).
- Group management (powered by eduTEAMS Hub).
- OER content hub (via eduOER).
- File Sync&Share storage platform (powered by CERNBox and ownCloud).
- LTI tools integration and other third-party apps (aka. Up2Universe).
- Learning Analytics and Open Badges.
- Mobile application.
- Multi-language support.

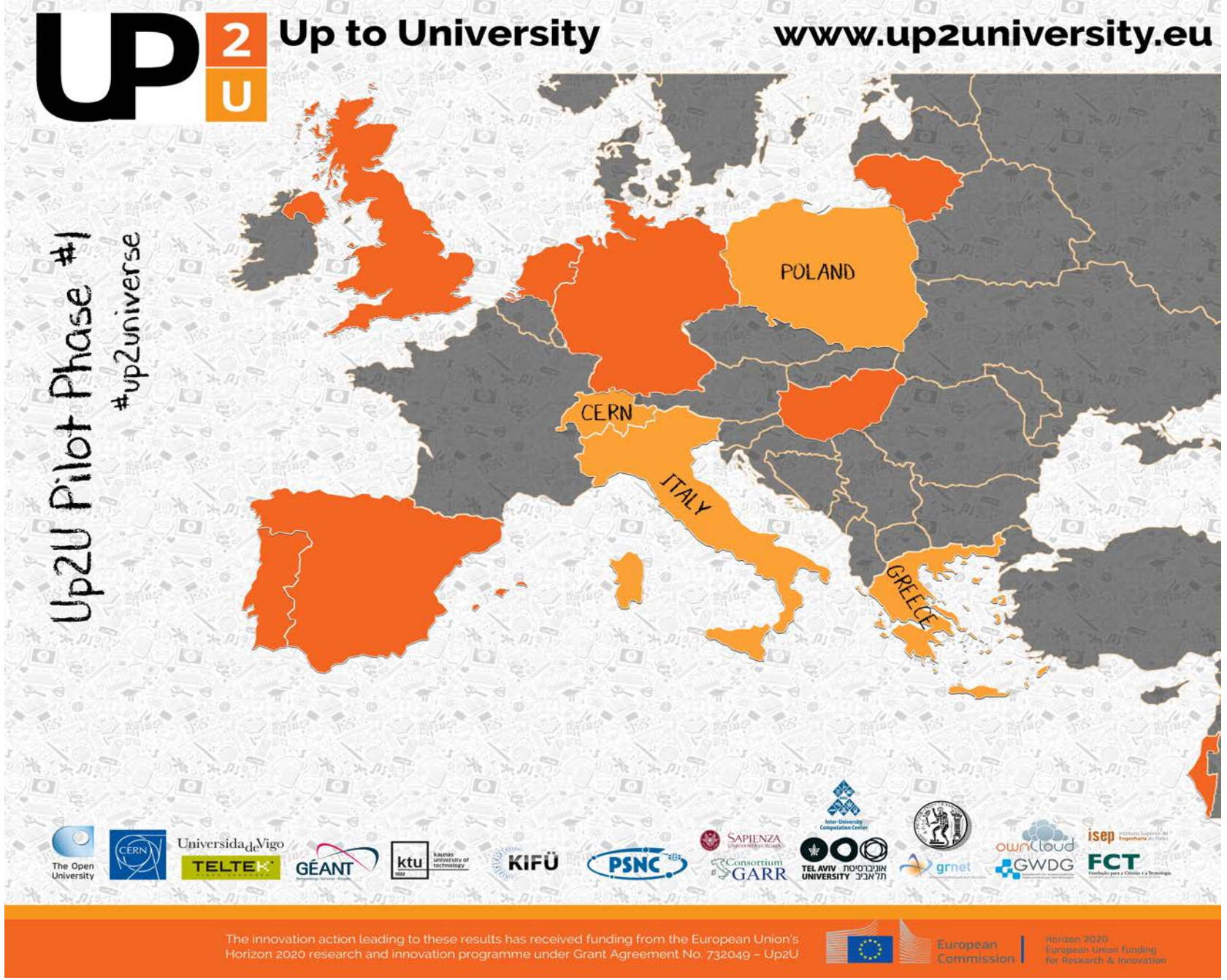
Available tools at the moment

CERNbox	Cloud-based storage and synchronization solution and sharing for science.
DSpace	An open source digital archives system focused on long-term storage.
eduOER	An Open Educational Resource metadata aggregation hub and portal service.
H5P	H5P makes it easy to create, share and reuse HTML5 content and applications.
Jupyter/SWAN	A platform to produce rich notebooks using a simple web interface.
Knockplop	Open Source multi participant p2p web service based on WebRTC technology.
Personal recorder	A recording and publishing tool.
SelCont	Synchronized e-Learning Content is a toolkit with minimal post-processing effort and no special installation requirements from lecture rooms.

Pilot activity

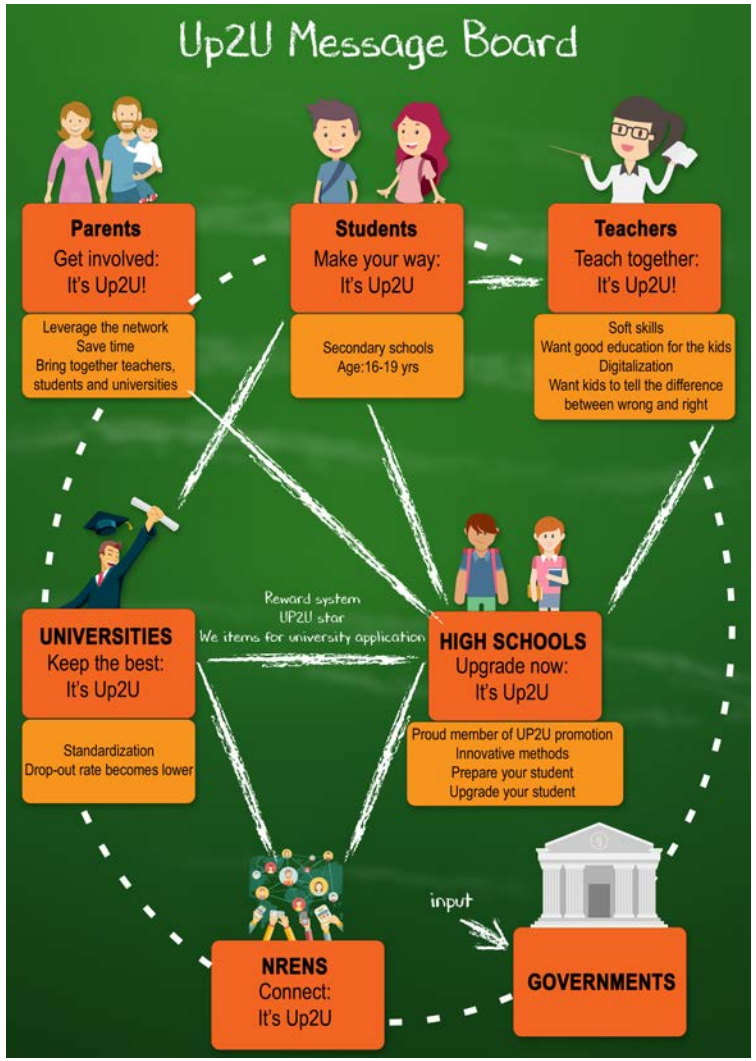
Up2U pilot activity

- We plan to introduce NGDLE via pilots in the member countries.
- The first phase of the pilot begins this Spring, the second phase will start in Autumn, 2018.
- First, we need to train the teachers. Our training team identified the major focus points for training via a survey that focused on the skills the students should acquire.
- We created an SMC (Subject Matter Committee) that oversees the training material and training plan. The SMC has permanent members and national sub-committees also.


Up to University
www.up2university.eu
Up2U Pilot Phase #1
#up2universe
POLAND
CERN
ITALY
GREECE
The Open University
CERN
Universidad de Vigo
TELTEK
GÉANT
ktu
KIFÜ
PSNC
SAPIENZA
Consortium GARR
TEL AVIV UNIVERSITY
grnet
ownCloud
GWDG
isep
FCT
The innovation action leading to these results has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 732049 – Up2U
European Commission
Horizon 2020 European Union funding for Research & Innovation

Spreading the word about Up2U

Target audience



- Our main target audiences are the high school teachers and the high school kids (age 16-19).
- We also have to think about all the stakeholders involved.
- Also important: cooperation with similar projects, like SELFIE.

Up2U presence

URL www.up2university.eu

www.facebook.com/Up2Universe/

Up2Universe

twitter.com/Up2U_Project

The Up2U micro-experiment at CERN

- CERN hosted a 16 year old student, Maja from the UK as a work experience placement.
- She visited some of the experiment sites and to run hands-on experiments. She collected scientific data, analysed them, provided descriptions, plots, and notes.
- She created a „reportage" of her experiences at CERN in the form of Jupyter Notebooks that was shared with her classmates and teachers.
- She posted a Twitter moments feed about her days at CERN.

THANK YOU FOR YOUR ATTENTION!

contact@lists.up2university.eu

#up2universe