Image @EU Flag Team

Next Generation Edtech in Europe:

Ode to Joy or Requiem in D Minor?

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EUNIS | EUROPEAN UNIVERSITY INFORMATION SYSTEMS

11th October 2019, Barcelona
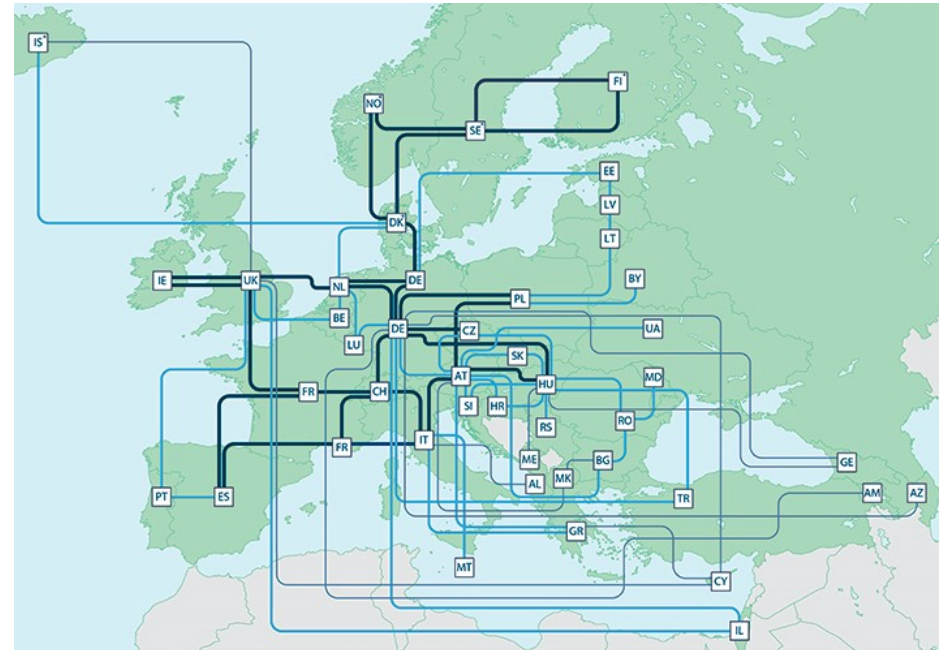
About EUNIS and me

We are the European University Information Systems organisation.

Our mission is to help member institutions develop their IT landscape by sharing experiences and working together.

… sometimes I've believed as many as six impossible things before breakfast!

The EdTech landscape in European HE: NRENs

The GÉANT community consists of 40+ (national research and education networks (NRENs) covering all of Europe and beyond.

Images courtesy of www.geant.org

The EdTech landscape in European HE: EUNIS

The EUNIS community consists of:

- Universities
- NRENs
- Professional bodies
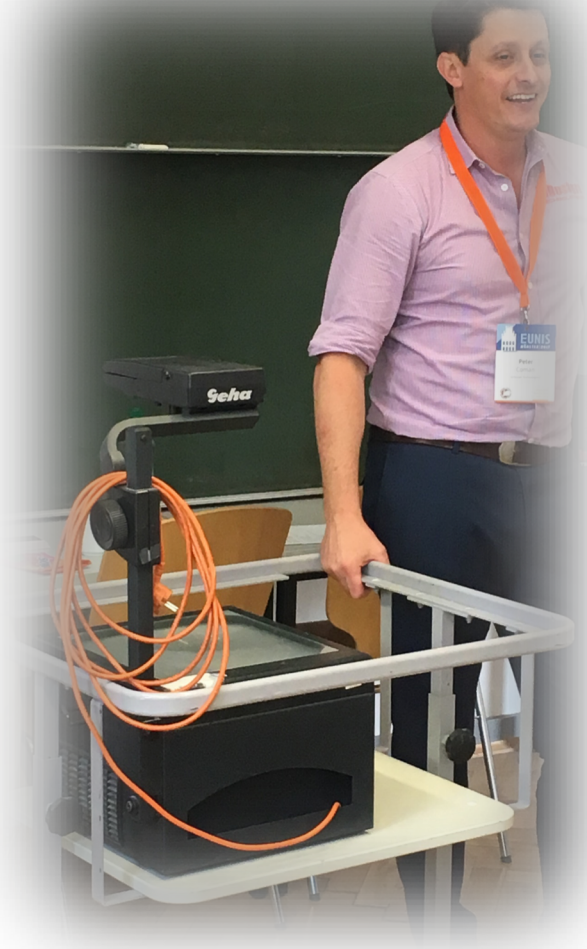- Suppliers

INSPIRATION

ABSTRACTION

ISOTYPE

The isotype is inspired by Europe's map.

Our rich and varied EdTech heritage

There is no such thing as an average European university.

We aren't all starting from the same baseline …

EUNIS special interest groups

Learning and Teaching

All aspects of learning & teaching through technology: including learning design; assessment and feedback; analytics; physical and virtual learning spaces.

Enterprise Architecture

Showcase sector EA initiatives, harmonize terminology, and produce unified descriptions for Europe-wide HE services.

Benchmarking

Annual study on IT costs and volumes to provide comparisons and identify good practice.

Student Mobility

Definition and adoption of standards and procedures for the digital exchange of information to facilitate mobility and lifelong learning.

Business Intelligence (BI)

Share knowledge and experience on BI in HE including adoption and management; success factors; technical infrastructures and software tools.

Information Security

Share knowledge about information security development and compliance.

Image EUNIS workshop, Paris

Digital ethics

- '*Technology is moving faster than the ethical conversations are*.'
  John O'Brien, CEO EDUCAUSE (2019)

- Fake news, Facebook experiments and data breaches etc destroying trust.

- Do social media tools have privacy policies or surveillance policies?

- '*Algorithms are opinions embedded in code*.'
  Cathy O'Neill (2016) Weapons of math destruction.

- The EU has the world's strictest data protection laws requiring that people are aware of, understand and consent to data collected about them.

- Ethical considerations are paramount in the EUNIS member projects cited here.

Learning analytics

- Predictive analytics in Europe focused on patterns of engagement.

- We can't impact demographics but we can impact the learning experience.

- Analysing the curriculum may be as insightful as analysing student behaviour.

- SHEILA Erasmus+ project. Learning analytics policy development framework developed, tested and reviewed with EUNIS members.

- Nottingham Trent University engagement focused dashboard.

- Quantified student apps, NL.

- Jisc UK national learning analytics service. Now looking at curriculum analytics.

Image EUNIS SHEILA workshop, Helsinki

Student mental health and wellbeing

- Loneliness, depression and anxiety are key factors in student dropout from higher education.

- A 2018 OECD report says that, in the EU, one person in six suffers mental health problems.

- A 2015 survey by UK National Union of students found 78% of students had experienced mental health issues.

- In France, suicide is second only to road accidents as a cause of death for 15-24 year-olds.

- Nottingham Trent University learning analytics dashboard: creates an alert after 14 days non-engagement.

- University of Zürich and BI Norwegian Business School are using a chatbot (Differ.chat) to initiate peer support.

- Quantified student community (NL) approach 'Big Mother not Big Brother'.

Accessibility and equality

- Accessible learning is good for everyone.

- A student with a sports injury or an illness affecting vision or hearing may have the same needs as someone with a permanent disability.

- The EU Web Accessibility Directive is prompting institutions to think about the accessibility of all of their digital resources.

- All Aboard Erasmus+ project on inclusive education includes EUNIS members.

- Norway national guidelines on universal design for digital assessment.

- Aachen University looking at whether device capacity is a discriminatory factor in BYOD exams.

Image Braille keyboard Wikipedia

Learning environments

Image Aalto University Foundation, Helsinki

- Blended learning is the new norm – the relationship between physical and virtual learning environments needs to be increasingly seamless.

- Virtual, augmented and mixed reality provide authentic learning experiences and accelerate learning.

- The intelligent campus needs to integrate learning and teaching tools, analytics, building controls, artificial intelligence and ...

- EUNIS member input to VLE Review Toolkit. https://vle.ucisa.ac.uk/

- Opportunities to learn from one another in relation to procurement.

- 'What's Next HE?' events at Integrated Systems Europe (ISE) 11 February 2020.

Assessment and feedback

Image NTNU Digital Exams Factory

- Assessment is the main driver of student activity and the main workload issue for staff.

- We are risk averse about change as the stakes are so high.

- Engaging students with feedback in all forms is key to enhancing learning.

- Large scale digital exams are a proven success in many EUNIS member institutions.

- (Semi)-automated marking has the potential for improved academic judgement as well as being faster.

- Micro-credentialing may lead to flexible assessment schedules.

- Look out for Jisc Horizons report on the future of assessment coming soon.

Learning design

Image ABC learning design workshop

- ABC learning design used across the EUNIS community.

- Vast amount of education research condensed into a storyboard approach that can be run as a 90 minute workshop.

- Can be used for initial design or review and improvement.

- ABC Erasmus+ project.

- Resources available in: Basque, Danish, English, Estonian, French, Flemish, German, Italian, Norwegian, Spanish, Swedish, Welsh and …

- Find out more:

  https://blogs.ucl.ac.uk/abc-ld/

Models and frameworks

- Shared understanding of complex issues.

- Allows us to move forward together whilst still adapting to individual contexts.

- Helping our corporate partners make sense of 28 different markets.

- ABC learning design

- Benchmarking

- Business capability model (enterprise architecture)

- Business intelligence maturity model

- Digital assessment workflows and protocols

- Digital maturity model

- SHEILA learning analytics framework

Image Aalto University Foundation, Helsinki

Find out more

Contact me: gill.ferrell@eunis.org

Check out this short video about us
https://www.youtube.com/watch?v=htweqmP4s9A&feature=youtu.be

Visit www.eunis.org

Save the date: EUNIS 2020 Congress, June 10-12, Helsinki

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