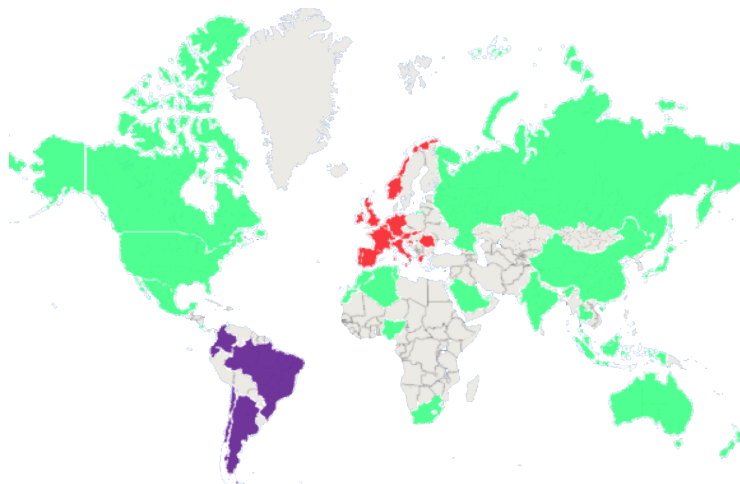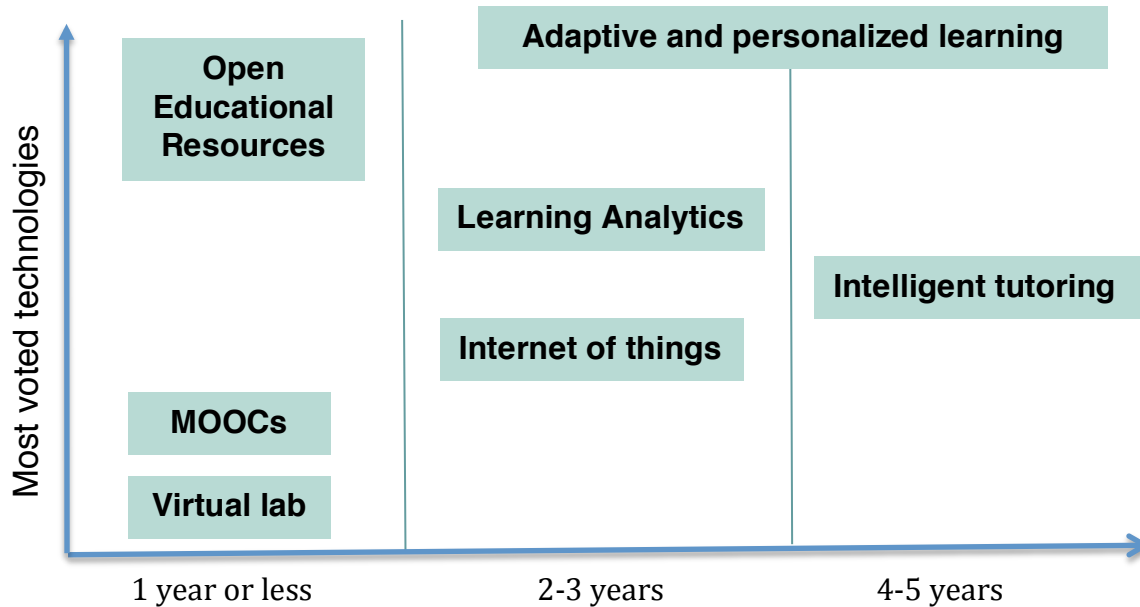# The Engineering Education Technologies Report

The **EETR** forecasts the **most promising** learning **technologies** to **impact engineering education** depending on their discipline and region
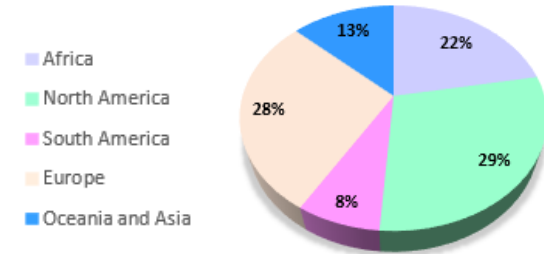
Most voted technologies

- **Open Educational Resources** — 1 year or less
- **MOOCs** — 1 year or less
- **Virtual lab** — 1 year or less
- **Adaptive and personalized learning** — 2-3 years
- **Learning Analytics** — 2-3 years
- **Internet of things** — 2-3 years
- **Intelligent tutoring** — 4-5 years

Axis labels: 1 year or less | 2-3 years | 4-5 years

Map legend:
- 🟩 Adaptive and personalized learning
- 🟪 Open educational resources and practices
- 🟥 Learning analytics

Full data available at:
http://ohm.ieec.uned.es/EERT

Sample

259 experts in engineering education participated

Pie chart:
- Africa — 22%
- North America — 29%
- South America — 8%
- Europe — 28%
- Oceania and Asia — 13%

Challenges for the Top 3 technologies

1 Adaptive and personalized learning
1. New pedagogical methodologies that apply to the technology
2. Better understanding of new ways of interacting with students

2 Open Educational Resources
1. More funds to further development and implantation
2. Creativity in designing learning experiences

3 Learning Analytics
1. Better understanding of new ways of interacting with students
2. Maturity of the technology

Organizers:
eqai · UNED · MSOE UNIVERSITY · IEEE Sociedad Educación CAPÍTULO ESPAÑOL · eMadrid

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