



2nd ITU-Academia Partnership Meeting Developing Skills for the Digital Era

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Session 4

Developing a Workforce Fit for Purpose: Importance of Academia–Industry Collaboration

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Can Academia Still Be Efficient in a Digital Era Partnership with the Industry?

- Context Overview
- Academia-Industry Partnership
 - Education & Training
 - Research
- Lessons & Questions





Context Overview



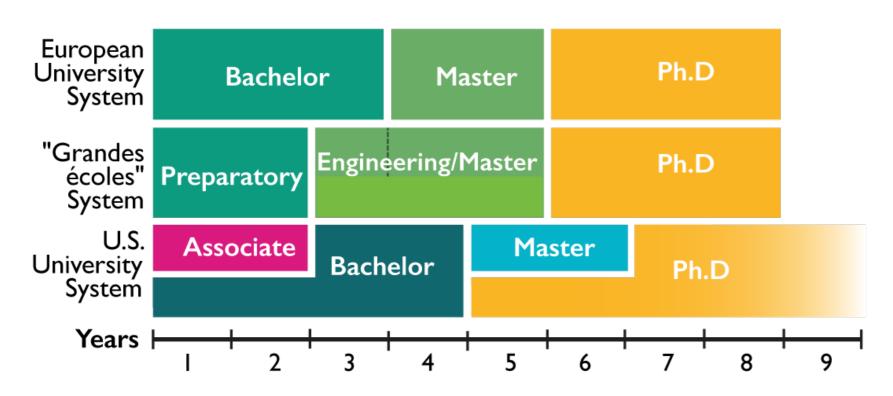


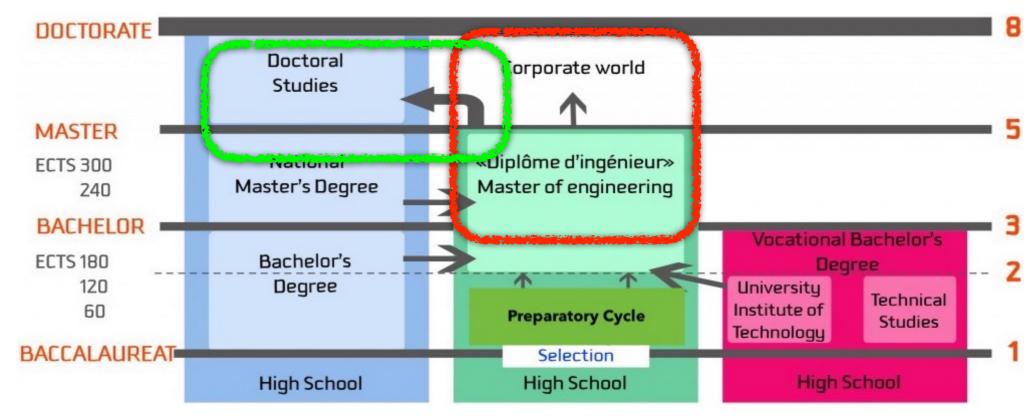




French-Like Higher Education System











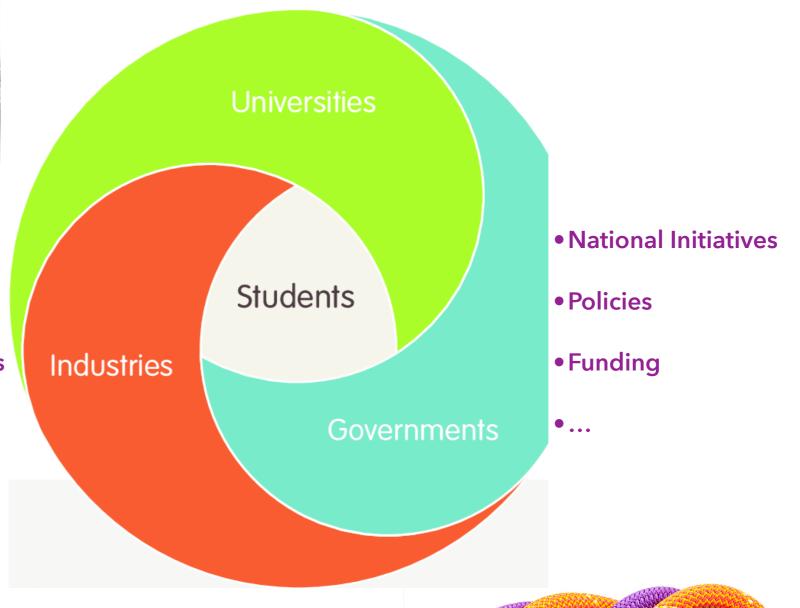
Academia-Industry Partnership





- Job Market
- Funding

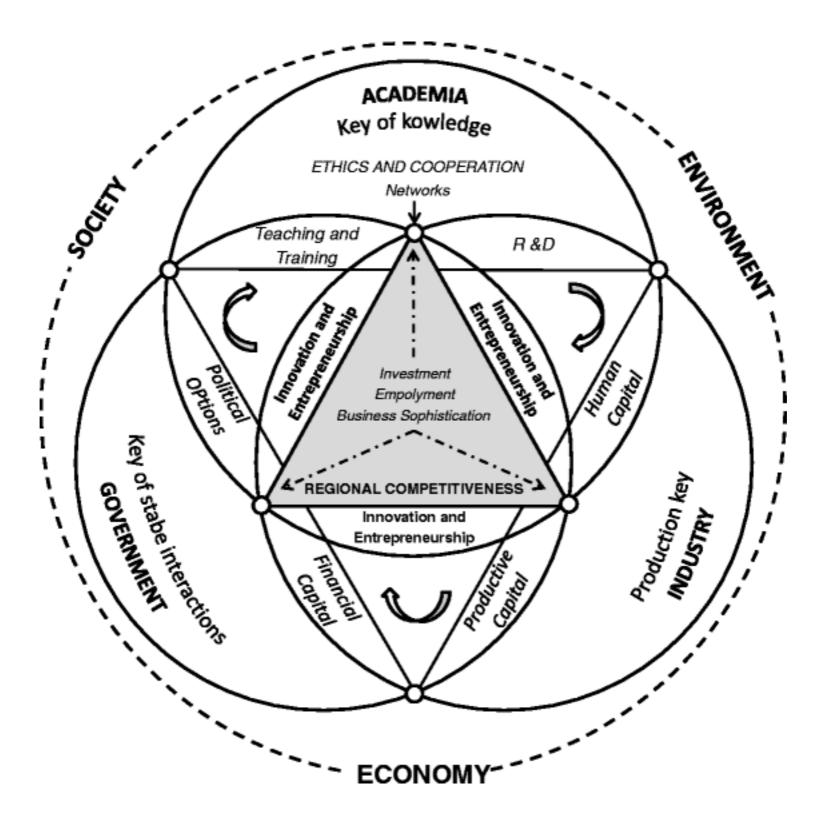
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Triple Helix





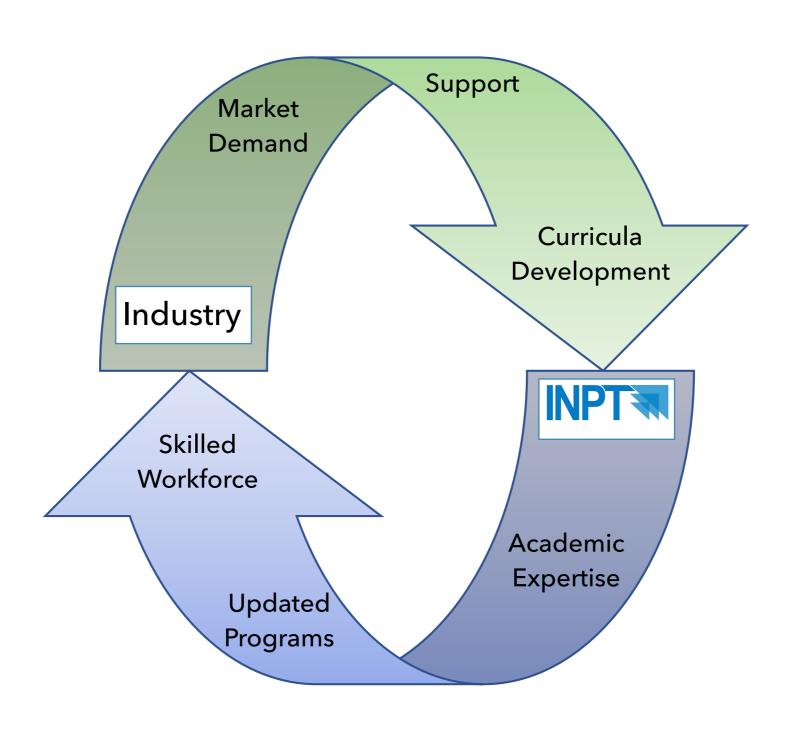


Academia-Industry Partnership Education & Training





Example 1: New 5-Year Strategic Plan









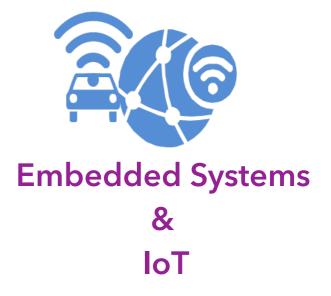
Example 1: New 5-Year Strategic Plan





Gô digital by INPT











Cloud and Virtualization

Advanced Software Engineering for Digital Systems





Example 1: New 5-Year Strategic Plan

- Better rankings (school and students)
- Improved learning conditions
- Improved work conditions
- More collaborations (industry and academia)
- More (specific) opportunities for students

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Academia-Industry Partnership Research





Research in the digital era ...

- Internet access
- Computing resources
- Software licenses
- Fundamentals
- •

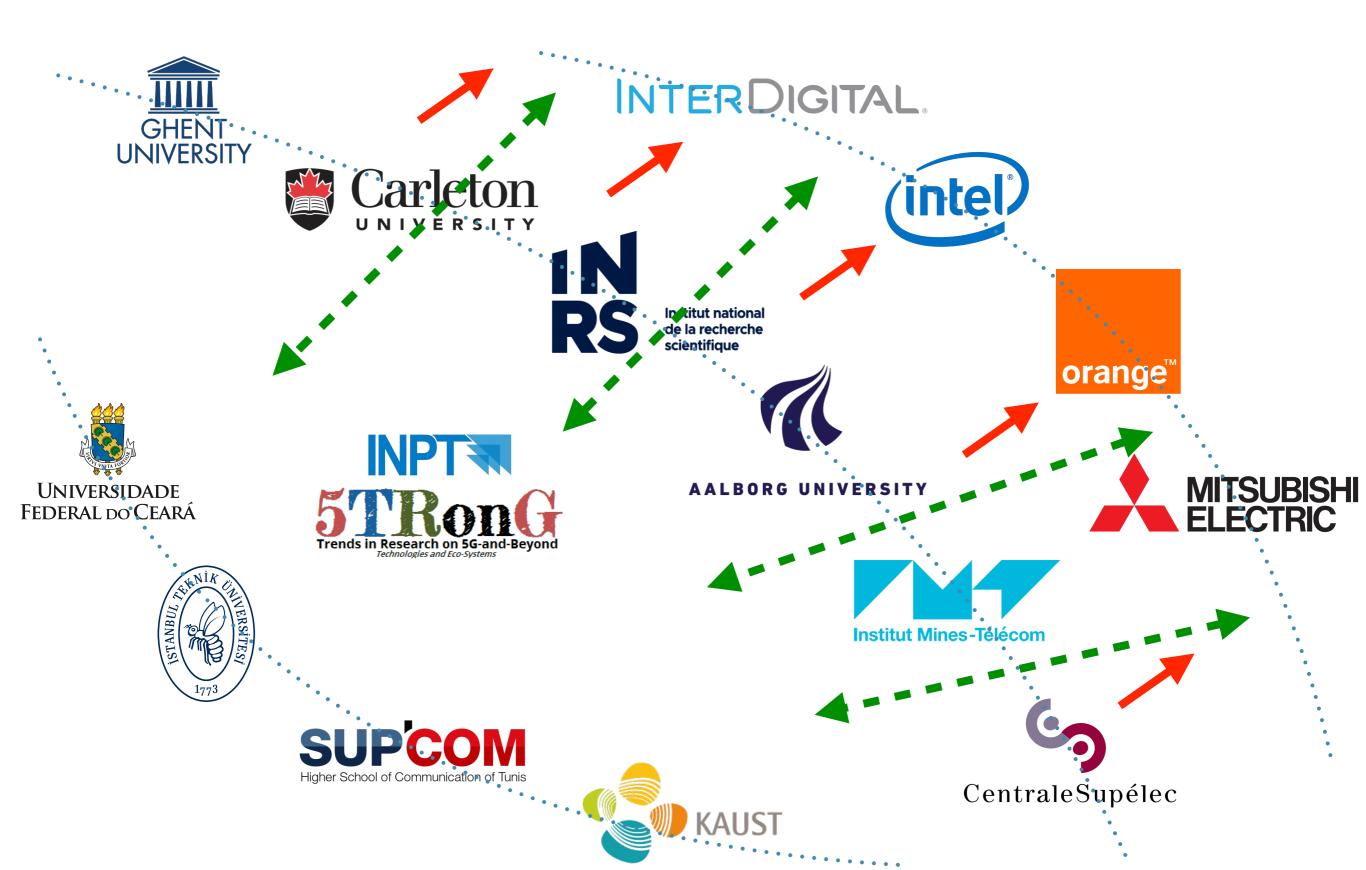
- Bibliographic databases
- Online resources
- Payment methods
- Students Funding

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Research Tiers ... North vs. South





Example 2: Cluster Advanced Research in Communications Cluster





- 2 Academic Institutions
- Large companies
- SMEs
- Start-ups

- Joint Research Projects
- PhD Theses
- Smoother funding
- New Collaboration Model





A Few Lessons





What it takes ...

- Invest in long-term partnerships
- Build trust
- Continuous communication
- Go beyond classic borders
- Dive not surf

• ...





Opportunities

- More opportunities in digital era;
- All in the "cloud";
- Often "lower" cost;
- North–South opportunities;

• ...





Challenges

- Culture change
- Win-win collaboration vs. Brain drain
- North-South gap should (and can) be bridged
- South-South should be encouraged
- Local and national regulations
- Global policies and initiatives

• ...





Thank You



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