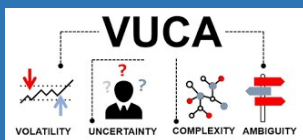


University-Industry Collaboration in French Engineering Education: links with economic growth

15 Feb 2020, 11AM
inauguration in Brest

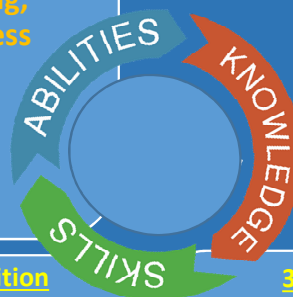


1. Years ago in France: I1.0
so called 'High tech industries'
Eng. under aegis Ministry of
Industries
1672: 1st Eng School in Brest
1686: Kossuth Pan visit โกษาปาน
1783: Eng School of Mines



5. Share with & learn from others I4.0
* VUCAity, less state funding, aging, brain drain,
less K12 student interests
* 4.0 skills, judgment & decision making, constant
vigilance & clairvoyance, critical thinking,
self-confidence, autonomy & mindfulness

2015: German-French Academy I4.0
2018: EU Curriculum guidelines
for Key Enabling Technologies
2019: EASTEM project



2. National Regulation: I2.0
Engineer title directly linked with
needs of professional branches
* Strong emphasis on Uni-Indus C

1929-37: US & EU crisis
1934: accreditation of Eng Educ



4. Globalisation & Intl Competition
* Skills and Competencies Agenda for HE
leadership, innovation & entrepreneurship
* Integrated Educational Frameworks
with LO & SCL models
2000: Quality Assurance ENQA
2008: EQF
2013: FrenchTech

3. Regional Cooperation: I3.0
International Engineers for a global market
1951: EU community of coal and steel
1973-79: Petrol crisis
1992: EU creation + EU monetary crisis
1989: 1st apprenticeship model with Industry
1989: EU Bologna processes
2001: CTI compulsory internships in Industry

