

Education of next generation engineers – quality, innovation or entrepreneurship?

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What is (or shall be) an Engineer?

We are the champions, my friend...

- makes something,
- way of thinking,
- doing things in a way that is intelligent,
- using intelligence and listening carefully,
- solving real world problems,





http://techtv.mit.edu/videos/2537-what-is-anengineer





Engineers

have skills to put knowledge into a product

Brussels, 13.9.2006

COM(2006) 502 final

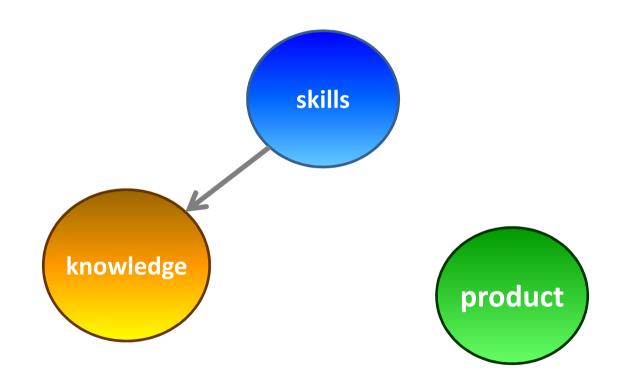
COMMUNICATION FROM THE COMMISSION TO THE COUNCIL, THE EUROPEAN PARLIAMENT, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

Putting knowledge into practice: A broad-based innovation strategy for the EU

"a broad based innovation strategy for Europe that translates investments in knowledge into products and services"

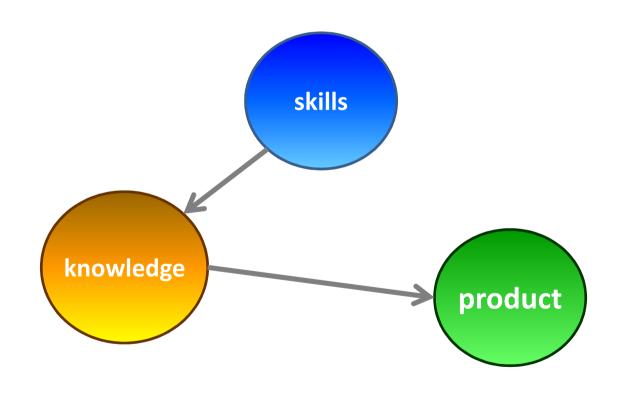






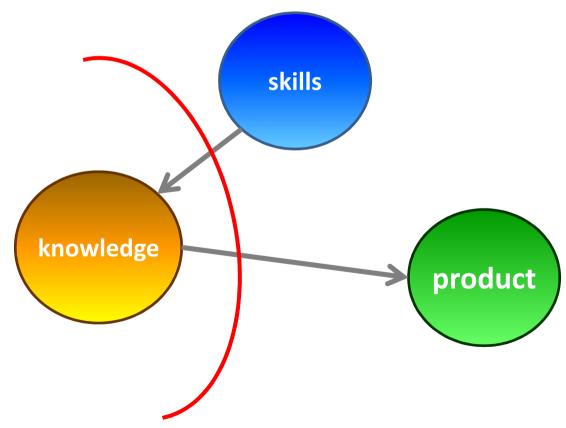








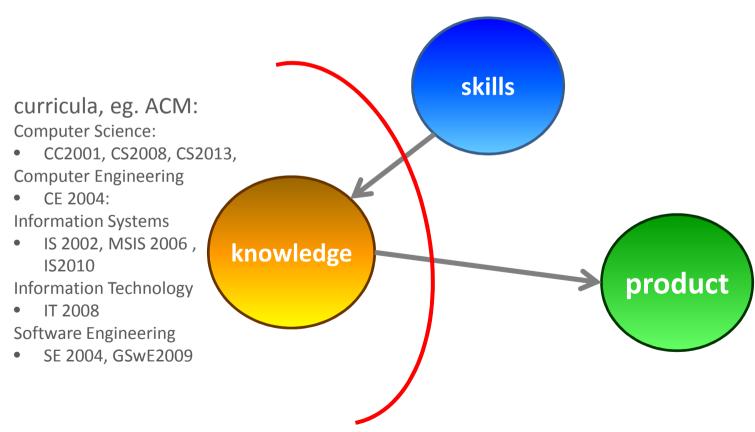




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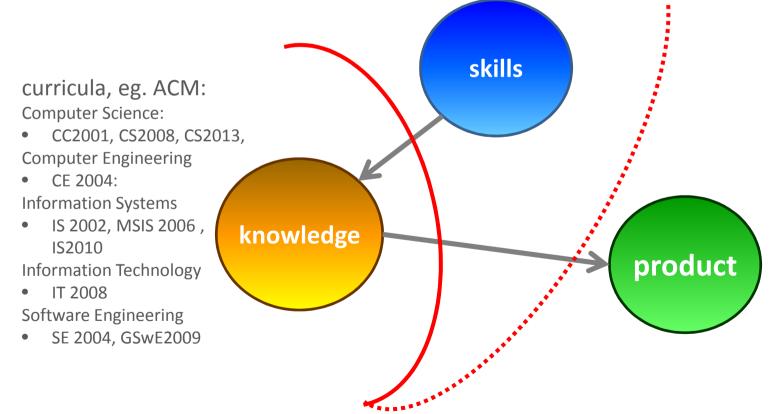










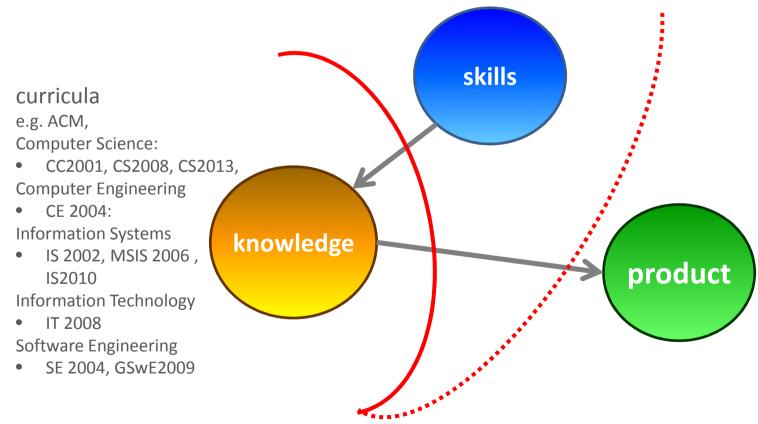






CDIO, internships, technical placements, etc.:

e.g. Telecom Bretagne, France

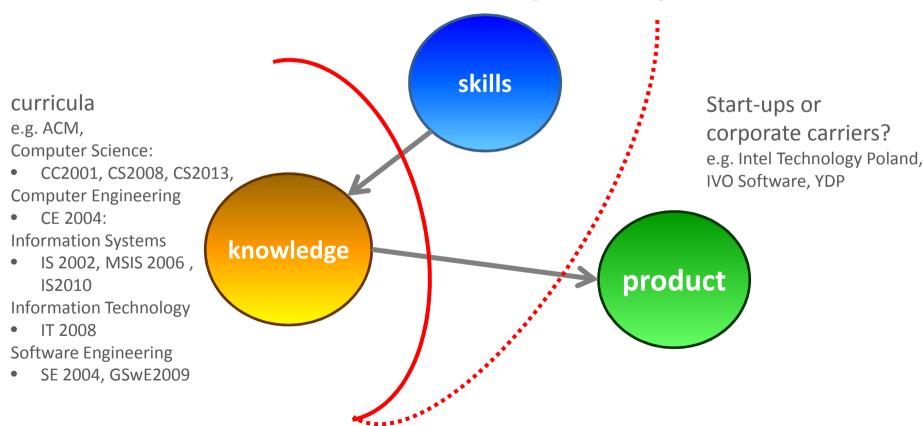






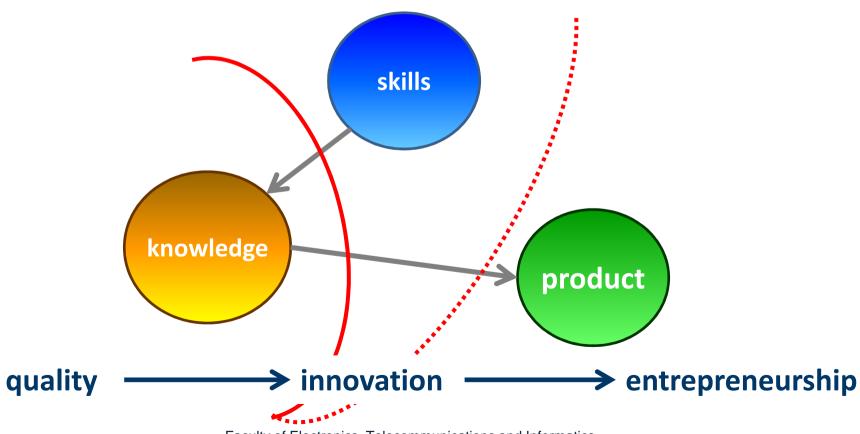
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quality



entrepreneurship

How, when and where?

capable academic staff organization of studies investors, state policy, economic freedom

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innovation



quality



entrepreneurship

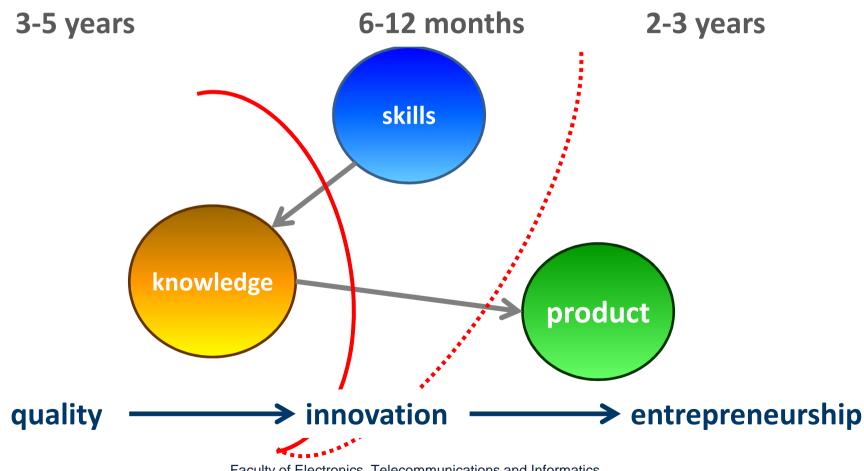
How, when and where?

capable academic staff organization of studies investors, state policy, economic freedom skills IEF (2014): Hongkong 1/178, **Switzerland** 4/178, Ireland 9/178, Poland 50/178 knowledge **North Korea** product 178/178

innovation











Conclusions

A lot of work to be done (a slightly biased view...)

- academic staff staying ahead of the wave (or at least kept current)
- long-term working experience for students near graduation
- enterpreneur-friendly state and/or region





Thank you!