

## CTI international seminar

*Grenoble, February 11, 2014*

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## Monday morning

- ABET-CTI workshop on **learning outcomes**

## Monday afternoon

- USA-France exchanges : **competencies of the engineer**

- Life-long learning
  - LLL for what ? change of job ? change of position ? change of firm ?
  - a lot is already been done in engineering curricula
- Social & societal responsibility
  - needs an "S&S-consistent" approach
  - shared experience return
  - linked to innovation

- Leadership
  - development of individual leadership skills is possible
  - internship, team working, role plays, sports, junior enterprises, humanitary activities are OK ...
  - but how to measeure their impact on skills ?
- Teamwork
  - assessment of the level of teamwork
    - define the attributes
    - involve alumni, employers and peers
  - adapt to the nature of the institution

- Engineering learning outcomes (bachelor, master)
  - ABET = quality + innovation + professional skills
  - ENAEE = exportation of the European label (EUR-ACE) throughout the world (to date, 1500 programmes, 170 universities, 15 countries)
    - EC's educational model vs. von Humboldt's
  - *in common : learning outcomes*
- European AHELO program : **1** evaluation system for higher education quality all around the world **?**

- USA-France professional exchanges
  - CGG : team management
    - strong cultural differences : decision making, uncertainty avoidance, motivation through achievement recognition
  - Sofradir : communication
    - "pas trop mal" = outstanding
    - no reply = reply "no"
    - French don't respect timetables, don't take decisions
    - US respect time, French look for solutions
    - slides in English ⇒ misunderstanding
    - the right to fail

- USA-France academic exchanges
  - Grenoble INP
    - 13 outgoing students vs. 6 incoming from USA
    - key for success : customize programmes for US students
  - CDEFI : survey on academic F-USA exchanges
    - agreements with 170 US universities
    - 75% F engineering school have an agreement with at least one University in the USA

# Sunday : preparation

