

BFUG-WG2
Implementation
Nice, November 9th 2016



International accreditation of engineering programmes by CTI

Marie-Jo GOEDERT, CTI
Director of administration & international relations



- Engineering profession not regulated in France, no professional organisation
- Engineer = scientist, technician, manager
- Engineering degree
 - = **protected title « ingénieur diplômé »**
 - = academic grade of master
 - 5 year, 300 ECTS programme



- Created by law in 1934
- 32 Members, 50% academia, 50% industry
- Experts, advisors, permanent staff
- Compliance with ESG
- Full ENQA member, on EQAR register
- Participation to associations, networks, projects (ECA, FrAQ-Sup, ENAEE, ...)
- Quality labels (EUR-ACE, CeQuInt, Chinese-French Institutes)



- Missions:

- Definition of **standards & criteria** for engineering education in France

Defense of the title “ingénieur diplômé”

Counselling & advice on all issues relating to the engineering education & profession

- **Accreditation of engineering degree programmes at master's level**, in France and abroad

Award of the **European quality label** for engineering programmes



- In Europe (Belgium, Bulgaria, Germany, Italy, Spain, Switzerland) and overseas (Burkina-Faso, Cameroun, China, Lebanon, Morocco, Tunisia, Vietnam)
- Master level programmes
- Upon request
- Information/co-operation national authorities/agencies
- Two possibilities:
 - “admission par l’Etat”
 - European quality label in engineering EUR-ACE



- “Recognition” by the French government
- Graduates = title of “ingénieur diplômé”
- Standards and Guidelines very similar to those for French programmes, but adapted to the international context
(language proficiency, duration of internships, management subjects)
- Involvement of national authorities:
official request by national authorities to French Ministry of HE



- European Quality label in engineering
- Ownership by ENAEE
(European Network for Accreditation of Engineering Education- www.enaee.fr)
label awarded by accredited member agencies
- Common European standards at
Bachelor & Master level
- 8 competencies for engineering graduates:
Knowledge and Understanding/Engineering Analysis/Engineering Design/
Investigations/Engineering Practice /Making Judgements /
Communication and Team-working/Lifelong Learning
- National authorities informed by CTI



- Foreign **branch** of a French institution
- **Joint** programmes
- **EQA** by a **recognised agency** (if none in home country)
- **Programme Evaluation** (if only institutional EQA in home country)
- **Engineering** specific EQA
- **European** quality label
- **Francophone** countries/programmes
- **Recognition** by the French government
- International recognition **without mobility**
(costs, avoid brain drain)
- **Distinctive feature**, promotion, competitiveness

- Recognition of the **French engineering degree**
- Links to **francophone** countries/programmes
- Facilitating **graduates' mobility**
- **Internationalization** of French engineering schools
- Support **joint degrees** through **joint procedures**
- **Co-operation** with local agencies, **exchange of good practice**
- Development of a **QA culture**: setting up of local agency
- Contribution to the **EHEA**



- Application for admissibility by HEI
- Sometimes preparatory visit
- Signature of an agreement between HEI & CTI
(general frame of the procedure & outline of the programme,
financial & practical issues)
- Auto-evaluation report by HEI
- Site visit by expert panel
- Minutes of the site visit (draft evaluation report)
- CTI plenary session:
 - decision for the EUR-ACE label
 - proposal for the “admission par l’Etat”

- Publication by CTI of the final evaluation report with the decision / proposal
- Decision for “admission par l’Etat” by the French HE Ministry
- Publication of a decree regarding “admission par l’Etat” by the French HE Ministry
- Publication of EUR-ACE label on ENAEE website
- Appeals procedure



- Adapt standards & guidelines to general international context
- Specific national legal requirements
- Efficient « international » expert panel
- Specific training of experts
- Language barrier (site visit, documents, report, ...)
- Workload for experts and permanent staff
- Resources: national/international
- In case of a joint accreditation with local agency, issues with procedures, standards & guidelines, calendar
- Responsiveness of local authorities
- Ethics: not-for-profit and relation to national agency(ies)



- Recognition of French engineering degrees & expertise
- Exchange of good practice & experts
- Knowledge and understanding of engineering education & profession abroad
- Better awareness of international context & issues for all members
- Contribution to QA
- Recognition of the ESG as a model
- Contribution to the EHEA



Thank you for your attention!

marie-jo.goedert@cti-commission.fr

www.cti-commission.fr

