



Institut National des Sciences et Techniques Nucléaires

From academic to vocational: specificity and vision

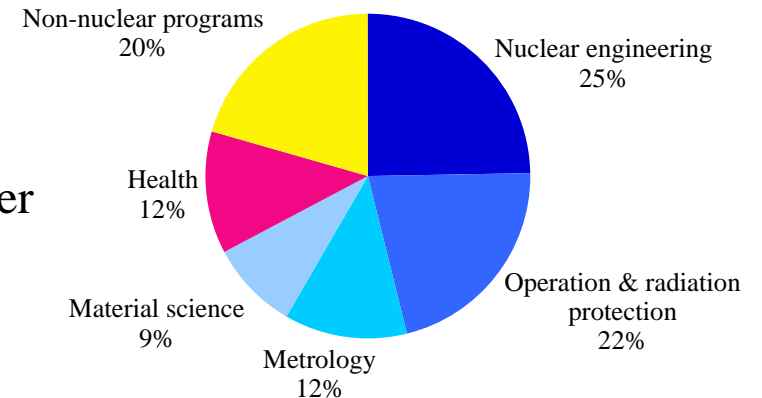
What is INSTN ?



- Teaching and training service of CEA

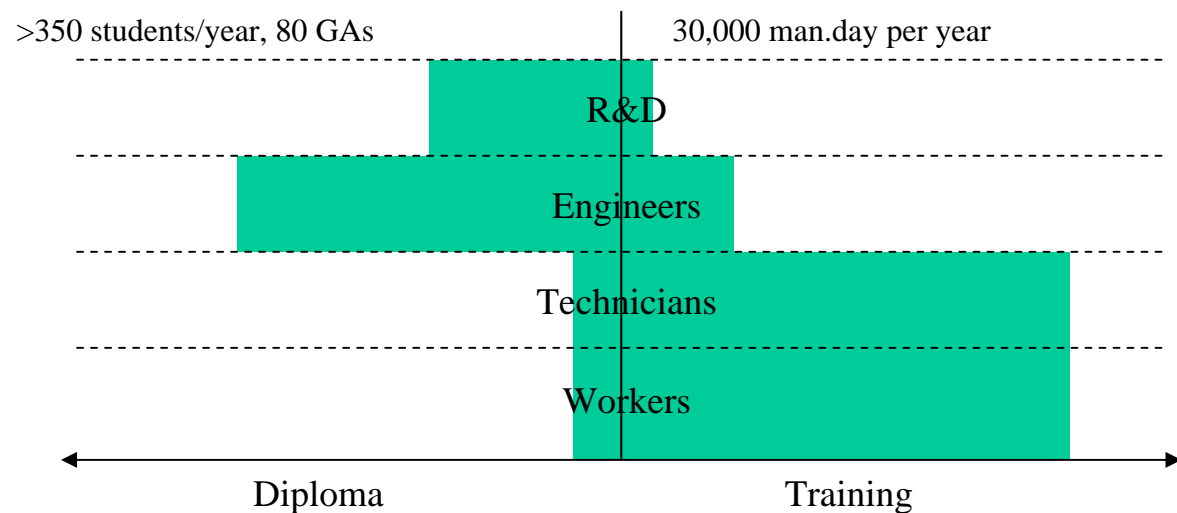
- Capability of awarding degrees

- ✓ Stand-alone: only specialty degrees
- ✓ Partnership with universities and Engineer schools: master degrees



- Professional training operator

- ✓ For CEA
- ✓ For SMEs
- ✓ ...



Corner stones for the next future (5-10 years)



- Goal: increasing the capability in nuclear training
 - ✓ Nuclear skills for nuclear engineers (reactor physics, ...) **factor 3-4**
 - ✓ Nuclear skills for non-nuclear engineers (civil works, project management, ...)

- All stakeholders have to do more
 - ✓ Academics on basic knowledge (have to prepare to a wide range of positions)
 - ✓ Specialty institutes on specialized knowledge (before the job and on the job)
 - ✓ Internal programs on proprietary programs

- Goal: optimizing the resources
 - ✓ No false hope: more training means higher costs but does not mean nuclear companies will lay golden eggs
 - ✓ Availability of teaching resource and capability of internship tutoring could be bottlenecks
 - ✓ Trained/graduate production must match actual human resources needs

A strategy for INSTN



- Academic partnerships, to implement nuclear modules within training programs
- With companies, a stakeholder-shareholder joint venture model for post-graduate training
- Open to european and offshore cooperation

Academic operators

INSTN

Companies

