



Nuclear Education and Training in Europe, NUGENIA Perspective

International association dedicated to
safe, reliable and competitive nuclear
energy technology

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NUGENIA is mandated by SNETP to coordinate
nuclear Generation II & III R&D

What is NUGENIA?



- NUGENIA is an **international non-profit association** founded under Belgian legislation in November 2011 and launched in March 2012
- Its **mission** is to be an integrated framework for safe, reliable and competitive Gen II & III fission technologies, which:
 - Fosters collaboration between industry, SMEs, RTOs, academia and technical safety organisations
 - Builds knowledge and expertise
 - Generates results with added value



Who is NUGENIA?



■ Members: major nuclear stakeholders

- 102 full members and 7 honorary members from 24 countries (as of Sept 2015): Industry, utilities, research institutions, SMEs and technical safety organisations and 3 new candidates



■ Honorary Members



NUGENIA Open Academia Day: within NESTET2016



- ***How to provide necessary education & training to perform cross-border works / customized “ Nuclear Passport”:***
 - long-term accumulation and long commitments (along the life cycle of a facility)
 - remarkable investment from governments (public money)
 - security, non-proliferation and safety concerns; international obligations
 - needs large critical mass of basic nuclear science to support practical applications
- **Who would benefit from a nuclear passport?**
 - **The workforce**
 - Mobility
 - Lifelong learning (training for refreshing/updating)
 - **The nuclear industry**
 - Assurance on access to qualified workforce
 - Saving of time/money

NUGENIA proposal



- **Set up a dialogue between:**
 - Services providers (to express their training schemes/needs to export their know-how);
 - Training providers (feedback from their practices)
 - SME's
 - Other industries?
- **participation (supervision by) of utilities/vendors and european and international organisation (EC-RTD+JRC, IAEA, OECD, ...) to set up the framework and the way to go forward**
- **Possible to organise it within 2016 with the help of ENEN? Others?**

Additional Information



Overall NUGENIA objectives



- Facilitate the emergence of innovation
- Achieve projects with high added value to the community,
- Maintain and develop the needed skills, competences and infrastructures to tackle the up-coming challenges (LTO, new build, dismantling,)
- Strengthen the involvement of NUGENIA-bodies in the decision making process to:
 - Prioritise the project topics;
 - Valorize the R&D results;
 - Increase the visibility of NUGENIA;
 - Establish balanced collaboration with international organisations;
 - **Harmonise public and private R&D programming**
 - **Support education, training and knowledge management (ETKM)**
 - **Disseminate R&D results in ETKM programs**