

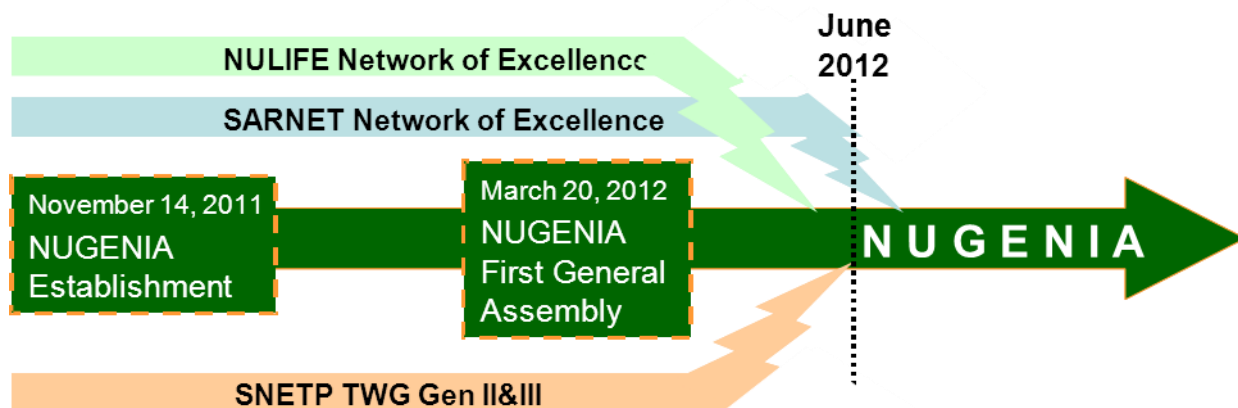
Background



The creation of NUGENIA is the positive result of the integration process of groups active in the field of Generation II & III:

- The first of the three **SNETP** pillars: Technology Working Group Gen II & III
- The **NULIFE** Network of Excellence on nuclear plant life management
- The **SARNET** Network of Excellence on severe accidents

Each of these groups shall bring its expertise, strength and experience together in NUGENIA. The first group has an SNETP mandate of action ending in June 2012 that NUGENIA aims to receive at that time. The two Networks of Excellence have a common goal of reaching their sustainability beyond the current contracts with the European Commission, ending respectively in June 2012 for NULIFE and in March 2013 for SARNET.



As a product demonstrating the success of these networks, NUGENIA is set up to be the starting point of a more ambitious and united community to advance the safe, reliable and efficient operation of nuclear power plants. NUGENIA shall provide, in a transparent and visible way, a scientific and technical basis by initiating and supporting international R&D projects and programmes. NUGENIA will contribute to innovation and facilitate implementation and dissemination of R&D results.

NUGENIA scope of activities: 7 main technical areas

1. **Plant safety and risk assessment**
2. **Severe accidents**
3. **Core and Reactor performance**
4. **Integrity assessment and ageing of systems, structures and components**
5. **Fuel, waste management (all but geological disposal) and dismantling**
6. **Innovative Gen III design**
7. **Harmonisation**