

ENISS

European Nuclear Installation Safety Standards

ENSREG Conference – 21st June 2022

Session 3 – New Designs: Regulatory Challenges

William Ranval

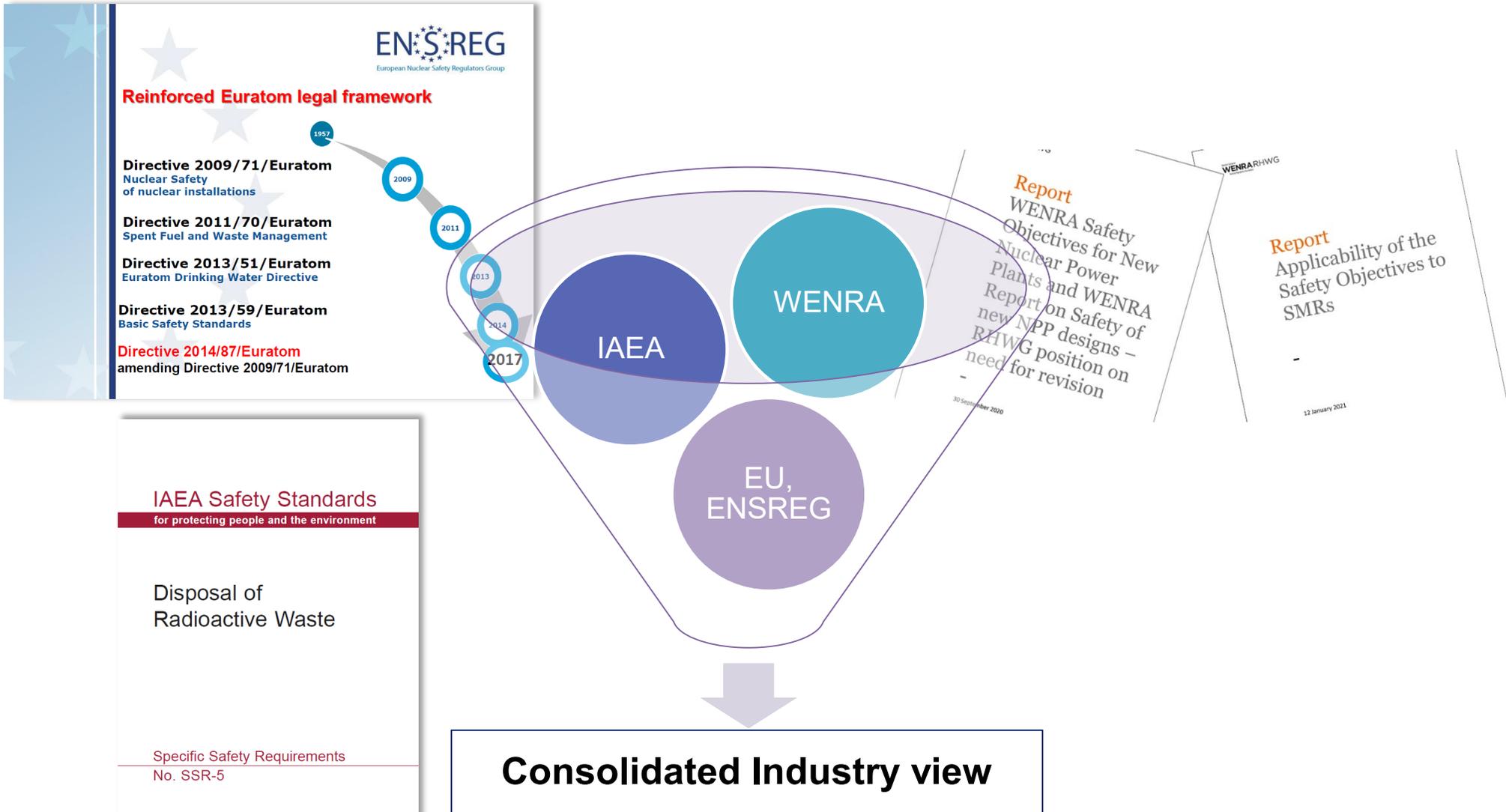


Members and ENISS' Basis

- Nuclear installation license holders from **14** European countries.
- ENISS **legitimacy** lies in the contributions by its members.
- ENISS is a **platform** for its members to exchange information on regulatory activities.



ENISS – a collective industry channel with focus on common denominators in safety



IAEA Safety Standards
for protecting people and the environment

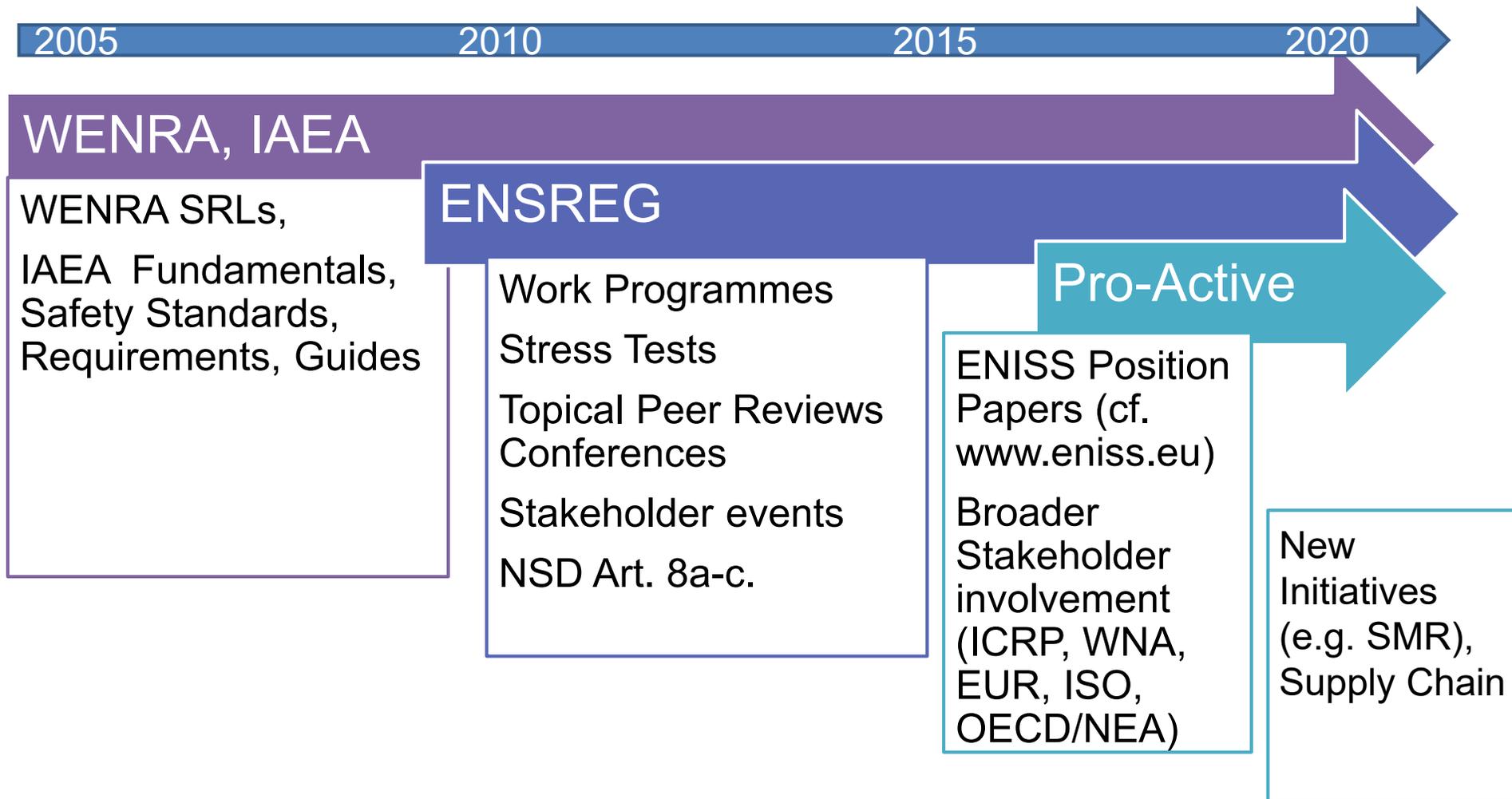
Disposal of
Radioactive Waste

Specific Safety Requirements
No. SSR-5

IAEA
International Atomic Energy Agency

Consolidated Industry view

Evolution in support of regulatory harmonisation by providing consensus based industry views



New Designs – Regulatory Challenges

European NPP Licensees' expectations

- **Facilitate the end goal of authorisation to build and operate (predictability, duration, resources)**
- **Common acceptance of the generic part of the NPP design**
- **Reduce project risks, enable positive series effects**
- **Enable the consistent use of completed assessments by regulators not initially involved in a common pre-licensing**

New Designs – Regulatory Challenges

European NPP Licensees' expectations

- **Agree on a common set of requirements / expectations at the right level of detail**
- **Implement appropriate risk-informed approaches**
- **Passive systems, longer coping times, ... => simpler designs**
Key to keep the designs as simple as possible
- **Proportionate application of the set of requirements/expectations**
- **Coordinated approach to siting**

New Designs – Regulatory Challenges

European NPP Licensees' expectations

- ✓ **Need to understand and accept different practices**
- ✓ **New approaches**
 -  **The challenge of increasing flexibility**

ENISS, and also the EUR association, are available to support