Victor Teschendorff

- Dipl.-Ing. Mechanical Engineering (Technical University of Aachen, Germany)
- 1973-2010: Employee of GRS in Garching near Munich
- Last Position: Head of Reactor Safety Research Division
- Consultant to GRS and to OECD/NEA; member of advisory groups, e.g. Scientific Committee of French ASN; G-SAN of IAEA
- Experience:
  - Research in thermal-hydraulics, fuel behaviour and severe accidents,
  - Development and validation of accident simulation codes,
  - Support of licensing cases by safety assessment in Germany and abroad,
  - Planning and managing of R&D projects and programmes for nuclear safety,
  - Former Chairman of the NEA/CSNI Programme Review Group.
Company Background

- Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) mbH
  - is the central **Technical Safety Organisation (TSO)** and a major research institution in the field of nuclear safety in Germany,
  - supplies **safety assessments** to national and international regulators,
  - contributes to the state of the art in science and technology by its **own research and development** activities,
  - co-operates extensively with international partners,
  - is an independent and non-profit organisation, 100% project financed,
  - has about 350 technical-scientific experts in process and mechanical engineering, physics, chemistry, geology, etc.

- **Post-Fukushima Research** at GRS is being performed to
  - evaluate the transfer of Fukushima lessons learned to German NPPs,
  - review the possible range of application of **simulation codes** in order to cover further beyond design basis scenarios.

  ➢ GRS is ready to exchange results within international co-operations.
NEA’s Mission and Structure

NEA consists of 30 countries, covering about 85% of world nuclear power. Its mission:

- To assist its member countries in maintaining and further developing, through international co-operation, the scientific, technological and legal bases required for a safe, environmentally friendly and economical use of nuclear energy for peaceful purposes.

- To provide authoritative assessments and to forge common understandings on key issues, as input to government decisions on nuclear energy policy, and to broader OECD policy analyses in areas such as energy and sustainable development.
Senior regulators, TSO and research leaders, some utility representation

Maintaining, harmonizing and further developing the scientific and technical knowledge base required to assess and enhance the safety of nuclear reactors and fuel cycle facilities

CSNI Selected Outputs (2011/2012):
- Reports, incl. State-of-the-art reports and technical opinion papers on
  - Fuel safety (LOCA criteria basis and test methodology)
  - Ageing management of fuel cycle facilities
  - Probabilistic risk criteria and safety goals
  - Core exit temperature effectiveness in accident mitigation
  - NEA-EC benchmark on risk-informed in-service inspection (RI-ISI) methodologies
  - Human and organisational factors in event and root cause analysis

- Workshops and meetings
  - Nuclear fuel behaviour during reactivity insertion accidents
  - Implementation of severe accident management measures
  - Ageing management of nuclear power plants and waste disposal structures
Int. Experts' Workshop and Symposium on Decommissioning of TEPCO's Fukushima Daiichi NPP 1-4, Tokyo, March 12-14, 2012