



Biography of Sylvie CADET-MERCIER ASN Commissioner

Sylvie Cadet-Mercier was born in Cherbourg on 30th January 1963 and graduated from the Ecole spéciale des travaux publics (mechanical/electrical specialisation). She also holds an Atomic Engineering diploma from the Institut national des sciences et techniques nucléaires (national institute for nuclear science and technology).

Sylvie Cadet-Mercier started her professional career in the field of neutronics in 1987, as an engineer at FRAMATOME. She was more specifically responsible for safety studies concerning new fuel management for the Koeberg NPP in South Africa, and for technology transfer programme for China.

In 1998, Sylvie Cadet-Mercier joined the French Institute for Radiation Protection and Nuclear Safety (IRSN) as an Engineer working in the thermalhydraulic accidents analysis office, before taking over responsibility for the office in 1999. As of 2003, she was first deputy and then head of the thermalhydraulics, control, core and fuel assessment department. In addition to running expert assessments of safety studies for French nuclear reactors and their emergency operating procedures, she chaired the working group on assessment-research synergy dedicated to fuel behaviour in accident situations.

In 2012, Sylvie Cadet-Mercier was appointed Director of Systems, new reactors and safety approaches and, as such, joined the IRSN Management Committee. She held responsibility for assessment of new reactors and for overseeing the EPR vessel anomaly processing strategy. She also coordinated cross-cutting post-Fukushima assessment activities for the French installations.

Sylvie Cadet-Mercier has also acquired extensive knowledge of international nuclear safety organisations. She more specifically supported foreign safety regulators within the framework of European contracts (TACIS) and then represented IRSN on the Technical board on Reactor Safety of the European Safety Organisations Network (ETSON) and within WENRA (Western European Nuclear Regulators Association).

By a decree of 21st December 2016, Sylvie Cadet-Mercier was appointed a member of the ASN Commission for a period of six years.