



ALLIANCE Webinar:

**Assessing impact of production, use and disposal of radiopharmaceuticals on members of public and the environment**

2<sup>nd</sup> June 2022 – 9:30-16:30 (Munich time) online

**AGENDA**

**9:30 – 9:45** Welcome and Introduction on behalf of ALLIANCE. *Laura Urso (BfS, Germany)*

**Session 1: Overview of the use of medical radionuclides in Europe and future perspective.**

**09:45 – 10:15** Sustainable and Resilient supply of Medical Radioisotopes in the EU: current and future use, trends and challenges. *Chiel Scholten (Technopolis Group, Netherlands).*

**10:15 – 10:30** Questions and discussion on Session 1.

**Session 2: Regulatory framework and national approaches**

**10:30 – 11:00** Nuclear Medicine in Finland – Regulatory Control and Current Challenges. *Sampsa Kaijaluoto (STUK, Finland).*

**11:00 – 11:20** Regulatory challenges in the monitoring of medical radioactive effluents. *Geert Biermans (FANC, Belgium).*

**11:20 – 11:25** Short break

**11:25 – 11:55** Regulatory Control and Current Challenges of use of medical radioisotopes in Italy. *Cinzia Pettinato (Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Italy).*

**11:55 – 12:10** Questions and Discussion on Session 2.

**12:10 – 12:40 LUNCH BREAK**

**Session 3: Radionuclides production, radiopharmaceuticals manufacturing, medical application, environmental fate including clearance or final disposal of related nuclear waste.**

**12:40 – 13:10** Application of medical RNs for outpatient treatment: possible impact on members of the public. *Philipp Hartmann (BfS, Germany)*.

**13:10 – 13:40** Ac-225, Ge-68 und Lu-177 – Radioisotopes for diagnostics and therapy. *Marian Meckel (ITM Medical Isotopes GmbH, Germany)*.

**13:40 – 14:10** Significant I-131 releases from the radiopharmaceutical industry under normal operating and incident conditions. *Olivier Masson (IRSN, France)*.

**14:10 – 14:50** Assessment of the radiological impact on the public of radionuclide discharges in sewage systems. *Eric Blanchardon (IRSN, France)*.

**14:50 – 15:00** Short break

**15:00 – 15:30** Waste management at the fission Mo-99 processors, with a drive to limit the environmental impact. *Veerle Van de Steen (IRE, Belgium)*.

**15:30 – 15:45** Questions and discussion on Session 3.

**Session 4: Identifying data gaps for exposure assessments**

**15:45 – 16:15** Identification of data gaps for medical RNs for the calculation of doses to human and non-human biota. *Jordi Vives i Batlle (SCK CEN, Belgium)*.

**16:15 – 16:30** Conclusive remarks