General information

IRSN/PDS-DEND/SESN

Caroline Jacquelin
caroline.jacquelin@irsn.fr
+33 1 58 35 72 61

Targeted topics

SU-INFRA01-2018-2019-2020: Combined physical and cyber threats

SU-INFRA02-2019: Security for smart and safe cities, including for public spaces
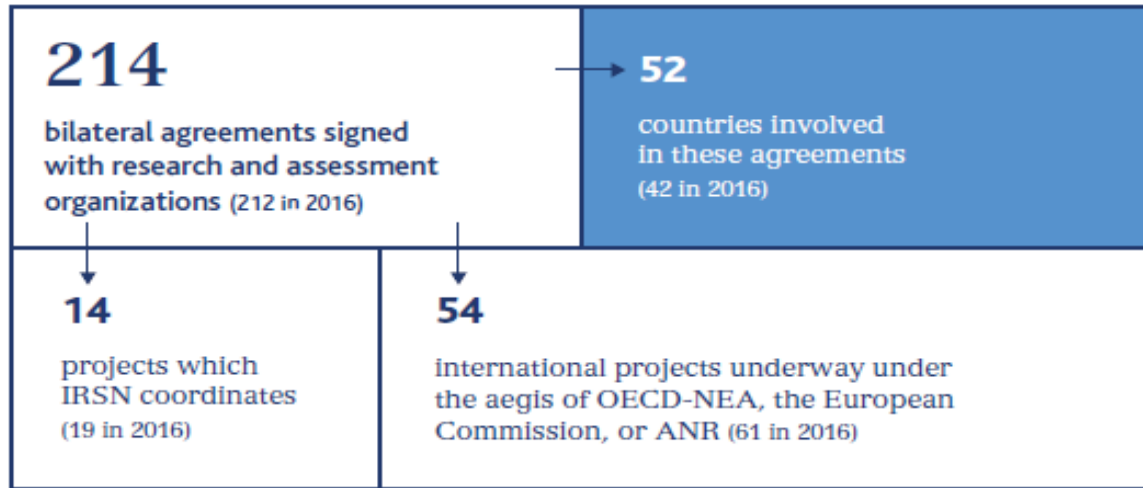
Competencies

IRSN/PDS-DEND/SESN competencies

→ *Protection of nuclear facilities and transport of radioactive and fissile materials against malicious acts*

- *Physical protection system (PPS) evaluation*
- *PP Vulnerability assessment*
  - **Intrusion Detection**
  - **Access control**
  - **Contraband detection (Radioactive material, explosive, metal detection)**
- *Cyber security evaluation*
- *Threat tools performance tests*
  - **Explosive**
  - **Unmanned Aerial Vehicle (drone)…**

Competencies

IRSN experience in the international and European projects

214 bilateral agreements signed with research and assessment organizations (212 in 2016)

52 countries involved in these agreements (42 in 2016)

14 projects which IRSN coordinates (19 in 2016)

54 international projects underway under the aegis of OECD-NEA, the European Commission, or ANR (61 in 2016)

→ *The skills IRSN/PDS-DEND/SESN can bring*

  ✓ *Technical expertise in security*

  ✓ *Experience of the implementation of security measures, in the high level of requirements of nuclear field*

  ✓ *Development and evaluation of methods of performance testing*