



Instrument for Nuclear Safety Cooperation (INSC)

Nuclear Safety Forum Ankara

12 November 2019

European Commission

**Directorate-General for International Cooperation and Development -
EuropeAid**

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CONTENT

Most recent developments in European Regulatory Framework regarding nuclear safety, radioactive waste management and Basic Safety Standards

The EU action outside of Europe in the field – The Instrument for Nuclear Safety Cooperation (INSC)

Current INSC Project ongoing in Turkey TR3.01-16

Future of INSC

Reinforced Euratom legal framework

1957

Directive 2009/71/Euratom
[Nuclear Safety of nuclear installations](#)

Directive 2011/70/Euratom
[Spent Fuel and Waste Management](#)

Directive 2013/51/Euratom
[Euratom Drinking Water Directive](#)

Directive 2013/59/Euratom
[Basic Safety Standards](#)

Directive 2014/87/Euratom
[amending Directive 2009/71/Euratom](#)

2009

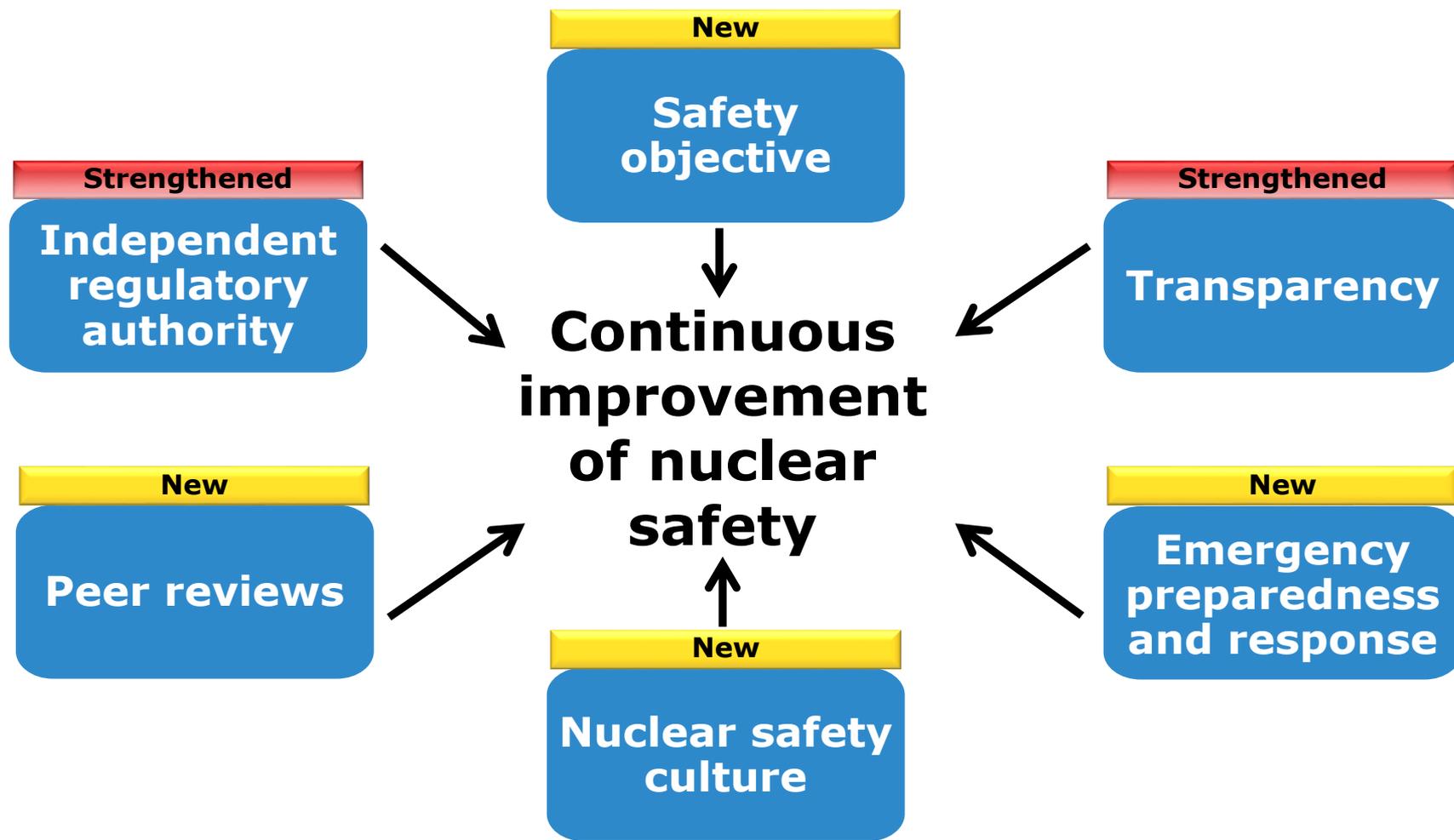
2011

2013

2014

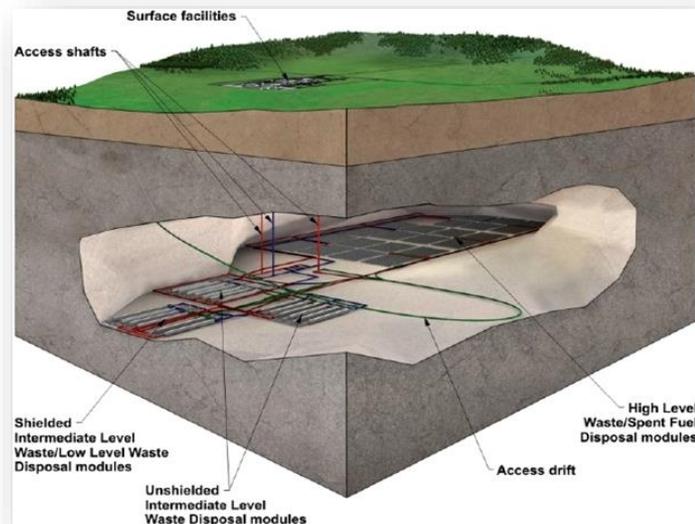
2018

Nuclear Safety Directive 2014



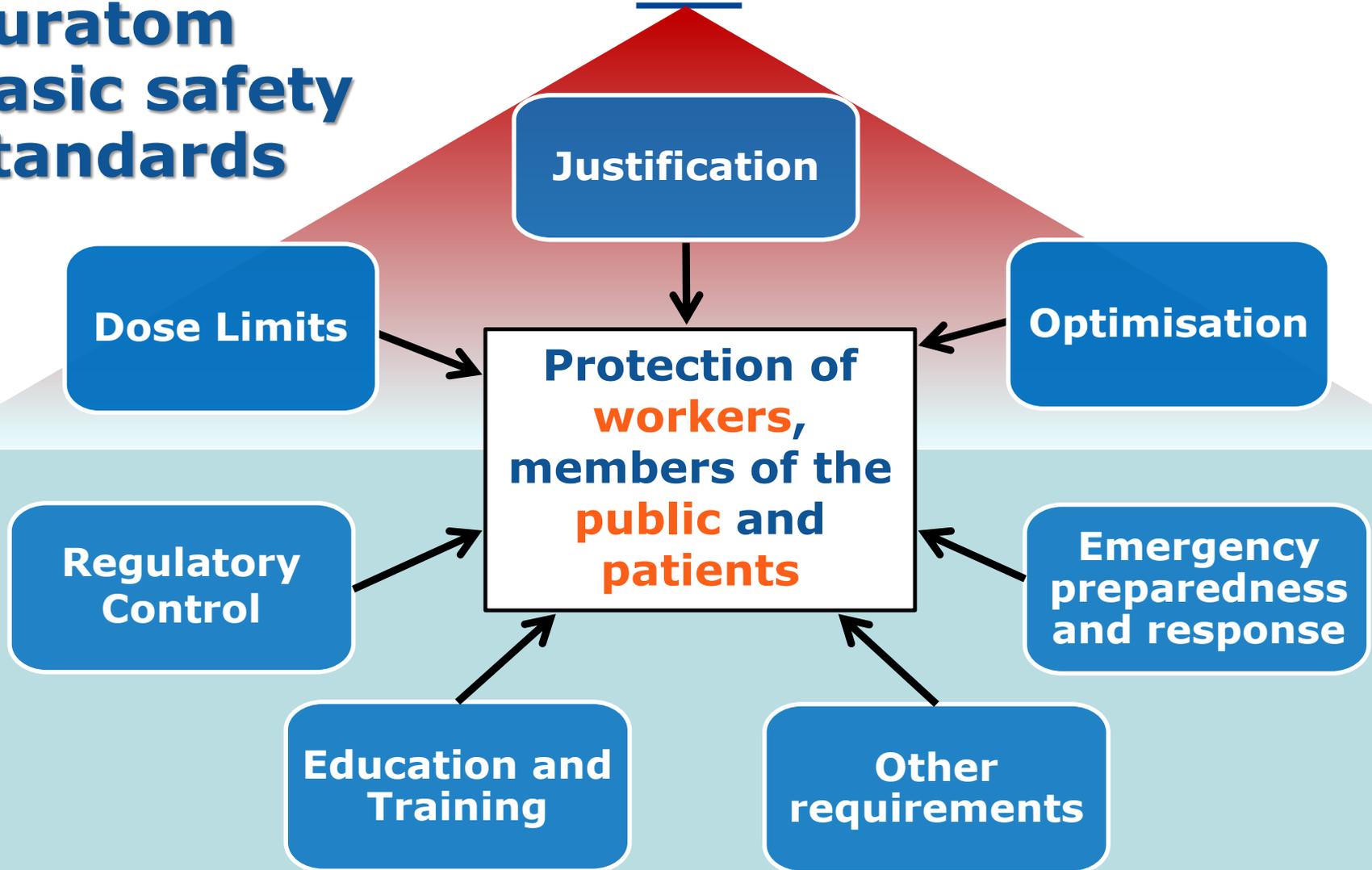
Radioactive Waste Directive

- *Legally binding and enforceable standards for managing radioactive waste and spent fuel*
- *By August 2015: National programmes*
- *Strict control of exports of spent fuel and radioactive waste (outside EU)*





Euratom basic safety standards





EU Nuclear Safety Projects (outside the EU)

1991 – 2006



TACIS
1.260 Million

2007 – 2013



INSC I
524 Million

2014 – 2020



INSC II
325 Million

2021 – 2027



EINS (Proposal)

INSC 2014-2020

**Promotion of
an effective
nuclear safety
culture**

40%

**Responsible and
safe management
of spent fuel and
radioactive waste**

45%

Safeguards

10%

**Support
Measures**

5%



Instrument for Nuclear Safety Cooperation

The INSC is a financial instrument of the EC, operated by DG DEVCO to finance projects

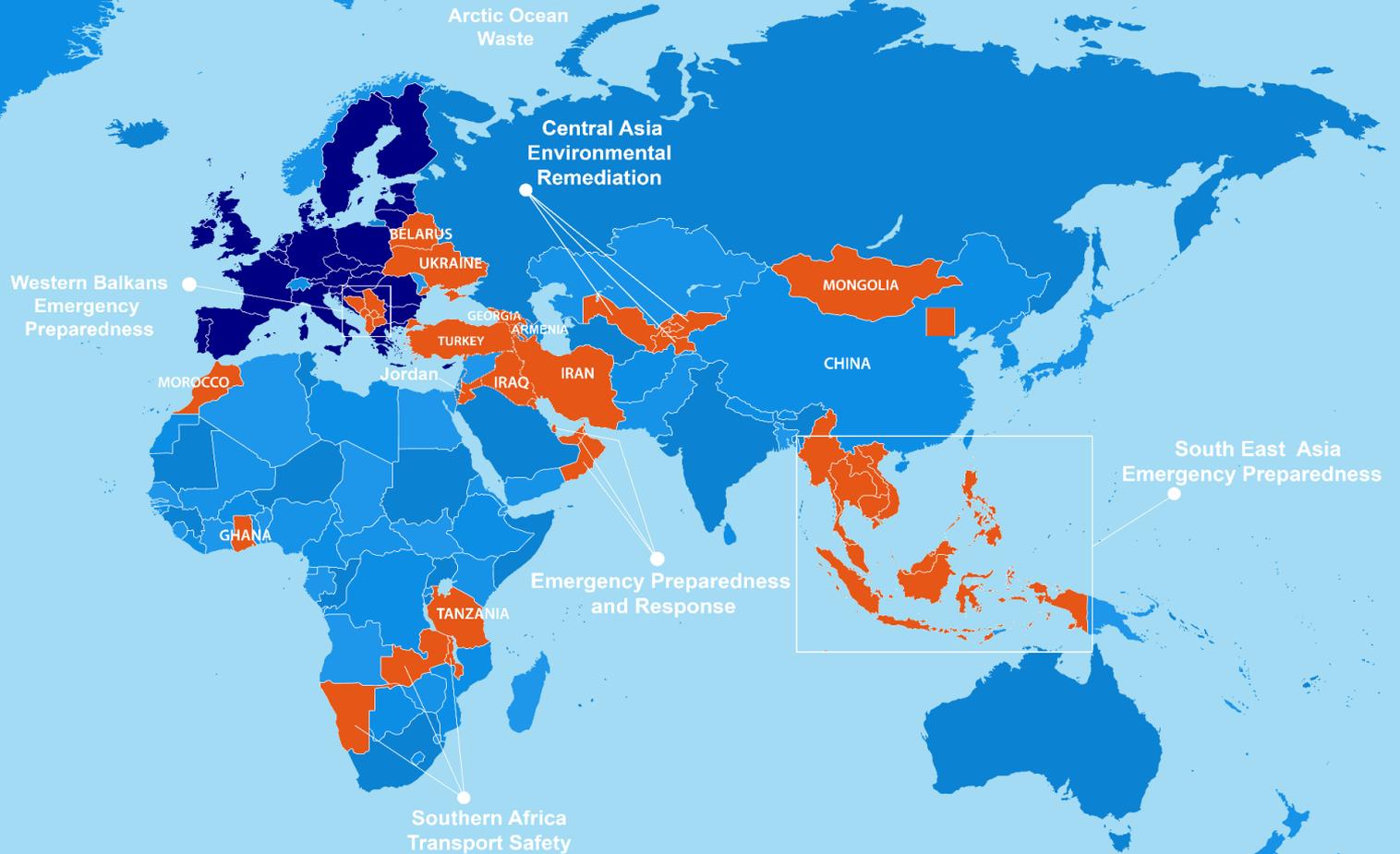
- ❖ Promoting a **high level of nuclear safety** and radiation protection, including the safe management of radioactive waste and remediation of contaminated legacy sites
- ❖ Promoting **efficient safeguards** of nuclear materials
- ❖ Providing **training & tutoring services** in a wide variety of topical areas related to nuclear and radiation safety

INSC geographical coverage

- ❖ INSC support is open to any eligible country
- ❖ It focuses on EU candidate and neighbourhood countries



Geographical scope of our activities

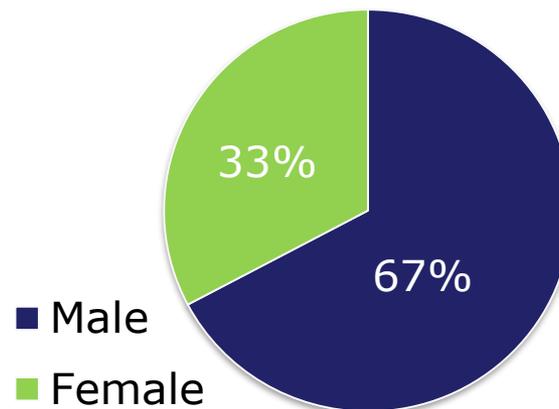


Success Stories – Training & Tutoring

- Over 2000 staff trained



Trainees by gender





Success Stories - INSC activities in embarking countries

- The INSC provides support to embarking countries and their Regulatory Authorities.
- Embarking countries need to build technical and regulatory capacities to guarantee safe licensing, commissioning and operation of nuclear facilities according to the highest international safety standards.
- Cooperation with embarking countries is also implemented through the Regulatory Cooperation Forum, which is open to all IAEA Member States.





Project Title	SUPPORT TO THE REGULATORY AUTHORITY OF TURKEY
Project Code	TR3.01/16
Contract No.	2017/385-332
Contracting authority	European Commission / DEVCO
Contractor	RISKAUDIT IRSN/GRS International
Beneficiary	Turkish Atomic Energy Authority (TAEK) - NDK
End User	TAEK - NDK
Commencement Date	10/11/2017
Implementation Period	36 months November 2020



EU Consortium

- *RISKAUDIT - Contractor with EU*
- *Autorité de Sûreté Nucléaire (ASN), France*
- *Institut de Radioprotection et de Sûreté Nucléaire (IRSN), France*
- *Gesellschaft für Anlagen- und Reaktorsicherheit (GRS), Germany*
- *Bureau Veritas (BV) - France*

TASK	TOPIC
Task 1	Project preparation and organisation
Task 2	Deterministic and probabilistic safety analyses
Task 3	Manufacturing and construction inspection
Task 4	Management system of the regulatory body
Task 5	Project finalisation and dissemination of project results

Phases of the Project

➤ **Inception Phase:**

- Inception and Kick-off meetings, agreement on the work plan and schedule, Minutes, inception report

➤ **Progress development Phase :**

- Workshops, trainings, on-the-job trainings, in situ missions.
- Three progress meetings (PM):
- Progress reports: 6 PRs
- Regular communication; Monthly reports, videoconferences, mails

➤ **Final Phase:**

- Final workshop, Final report, summarising and dissemination of results



Future of the INSC

- On 30 May 2018, the European Commission presented the proposal for establishing a **European Instrument for Nuclear Safety complementing the Neighbourhood, Development and International Cooperation Instrument (EINS)**
- This proposal aims at continuing the activities currently carried out under the INSC with a priority given to the EU neighbourhood and accession countries
- The proposed budget remains ambitious to cope with the challenges ahead



Additional information

- **EuropeAid**
 - <https://ec.europa.eu/europeaid/>
- **Instrument for Nuclear Safety Cooperation**
 - https://ec.europa.eu/europeaid/sectors/energy/nuclear-safety_en
- **TACIS, INSC, PHARE, IPA - completed projects**
 - <https://nuclear.jrc.ec.europa.eu/tipins/>
- **Training and Tutoring**
 - <https://nuclear.jrc.ec.europa.eu/europeaid-safety-training>



Thank you for your attention!

