

IRSN

INSTITUT
DE RADIOPROTECTION
ET DE SÛRETÉ NUCLÉAIRE

IRSN : the French Technical Safety Organization

Responsibility and function

June 23 - 25, 2010

A. Cheikh-Ali

Outlines

- French safety organization : from the beginning up to now
- Institute for Radiation Protection and Nuclear Safety (IRSN)
- The European TSO Network : the capacity to move beyond

French safety organization

- 1945 : CEA (Atomic Energy Commission)
- 1973 : SCSIN (Safety Central Service for Nuclear Installations)
- 1976 : **IPSN** (CEA)
- 2002 : **IRSN**
- 2006 : Transparency and Nuclear Security Law (TSN) : ASN

IRSN : Key features



Legal status

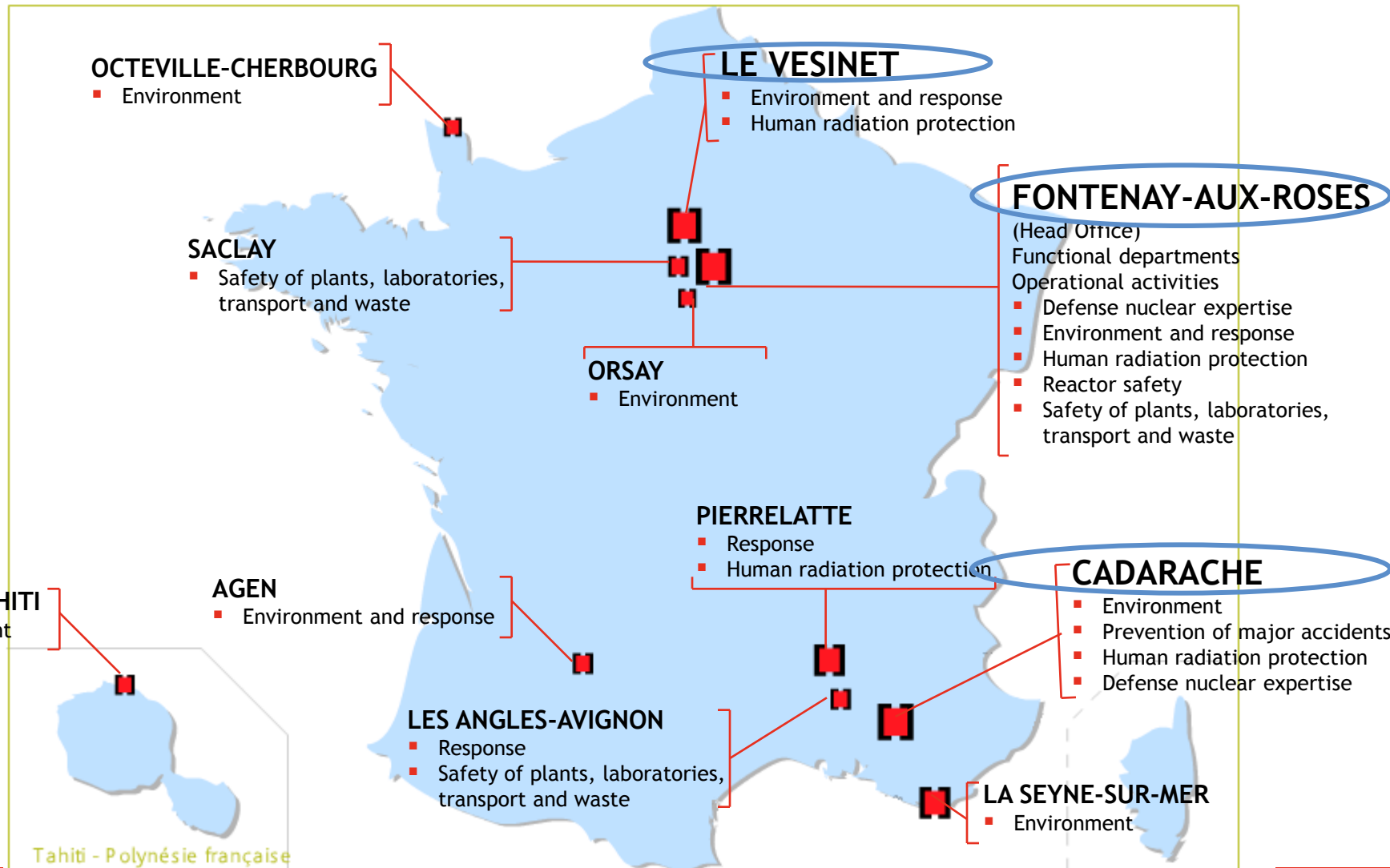
- IRSN was created in 2002 by merging of IPSN with the French radiation protection TSO. IRSN is the only technical safety organization in support of the French safety authorities in the nuclear field.
- The IRSN field of competences is defined by the [Decree n° 2002-254](#); in summary, IRSN is involved when an ionizing radiation is or might interact with man or environment : natural and man made radioactivity.
- IRSN is a public body reporting to 5 ministers: *Environment, Health, Research, Energy, Defense,*
- IRSN is a public body with the legal capacity to work under contract with other entities under a deontology constraint

IRSN : Key features



- Scientific assessments related to nuclear and radiological risks
- 1700 specialists : researchers, doctors, post-doctoral students
- A budget of 300 M€ (VAT included), financed up to 82% by public funding, (research program on risks)
- 11 locations in France, including 3 major sites: Fontenay-aux-Roses, Cadarache, Le Vésinet

IRSN : a national deployment ...



Fields of expertise



- Safety of nuclear installations and transport of radioactive materials
- Protection of workers, population and environment against ionising radiation
- Emergency preparedness and post-accident operational support
- Protection and control of nuclear and sensitive materials
- Protection of nuclear facilities and radioactive and fissile material transport against malicious acts

Administration board

President : Pr. Agnès BUZYN

Director general

Jacques REPUSSARD

Director delegate : Jean-Luc PASQUIER

Deputy director general for defense activities : Michel BRIÈRE

Deputy director general for administration : Jean-Bernard CHÉRIÉ

Counselor:

Daniel QUENIART

General Inspector
Alain CERNES

Operational Directorates

Reactor safety
directorates
Martial JOREL

Fuel cycle, laboratories,
transport and waste safety
directorates
Thierry CHARLES

Defense nuclear expertise
directorates
Jérôme JOLY

Severe accidents prevention
directorates
Jean-Claude MICAELLI

Protection of Man and Health
against radiation
directorates
Patrick GOURMELON

Environment and intervention
directorates
Didier CHAMPION

Functional Directorates

Strategy, development and
external relations
directorates
Sylvie SUPERVIL

International affairs
directorates
Denis FLORY

Scientific directorates
Michel SCHWARZ

Communication
directorates
Marie-Pierre BIGOT

Support Directorates

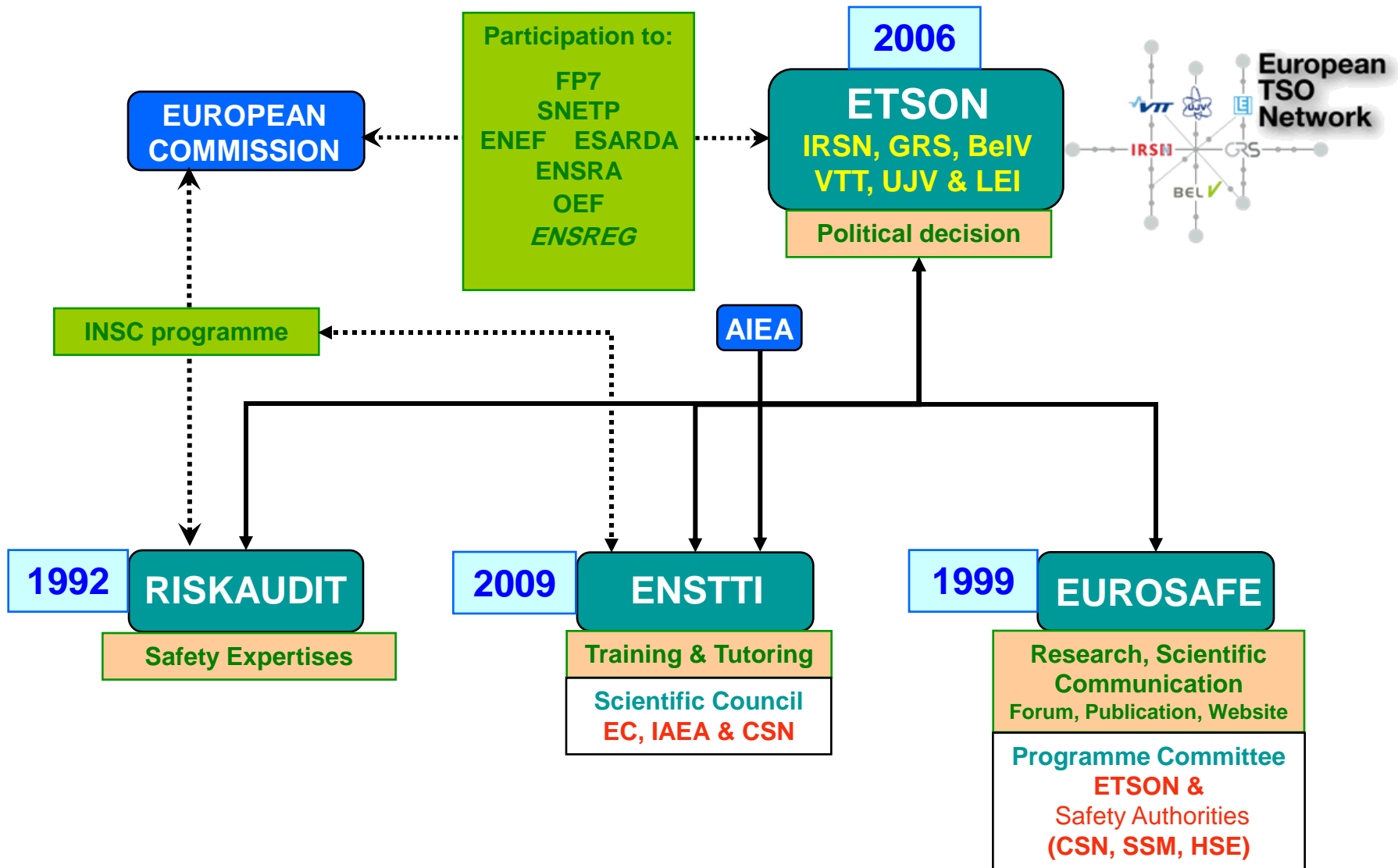
Human resources
directorates
Patricia DE LA MORLAIS

Security, property and
computer systems
directorates
Bruno DUFER

Finance, commerce and
legal
directorates
Didier DEMEILLERS

Accountant
Catherine ALBARET

DEVELOPMENT of the European TSO Network activities: Research, expertise methods and services, training



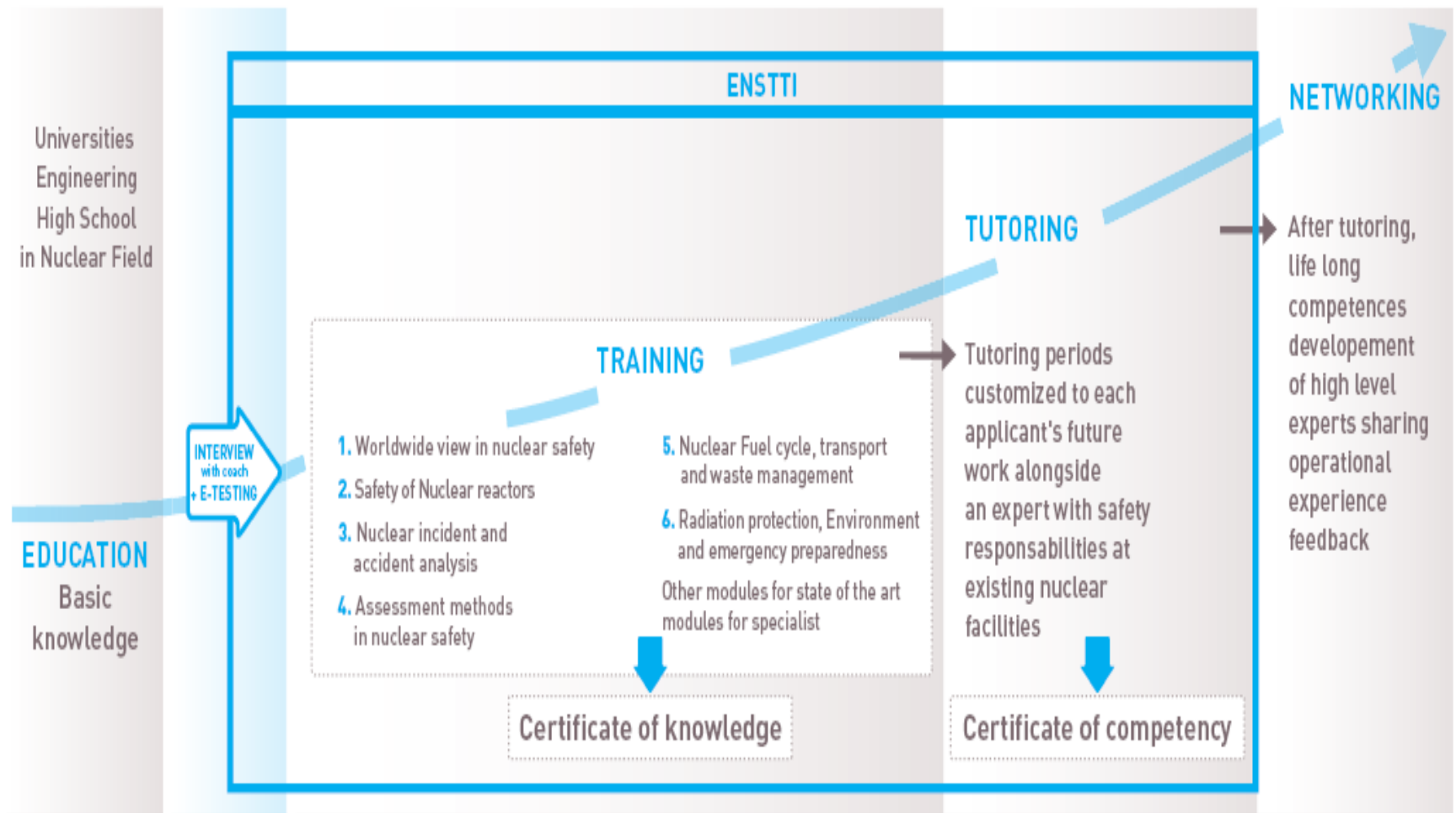
ETSON commitments

Value an exchange in operational experience feedback development

Participate in the Sustainable Nuclear Energy Technology Platform activities (SNETP) for future research development in safety for enhancing the low dose effects evaluation and develop networks of excellence in the severe accident research and in the radio-ecology

Launch an European Nuclear Safety Training and Tutoring Institute for safety specialist training for European TSOs and NRA open to trainees from non European countries

Organization of the European TSO Training and Tutoring



ENSTTI Candidate Process

ENSTTI : governance

Management board

GRS (Germany) IRSN (France) LEI (Lithuania) UJV (Czech Republic)

Towards the aim to training competent staff, each board member of ENSTTI:

- Provides teachers, tutoring and on-the-job training as well as trainees,
- Contributes to the development and to the quality of training courses, tutoring schemes, infrastructures or other supports (web platform),
- Participates in the implementation of the activities of ENSTTI.

Scientific advisory committee

ENSTTI board members plus IAEA and EC representatives

- Contribution to the development and to the quality of training courses and tutoring schemes,
- Validation of candidates,
- Experience feedback analysis and improvements of training.

Thank you for your attention

More information on www.irsn.org