Within the G8 NSSG initiative to promote an effective cooperation among institutions, academic communities and organizations and in order to strengthen the cooperation on Education & Training and the sharing of best practices for a safe and secure development of a nuclear programme, a course on nuclear infrastructure is organized.

Emphasis will be placed on the development of the legal and regulatory framework, the definition of roles and the establishment of appropriate regulatory responsibilities and functions.

The course is organized under the auspices of: Italian Ministry of Foreign Affairs, Italian Presidency of G8, EU, IAEA and University of Palermo. It will provide the introductory basis and will present and discuss the requirements associated to such a process, including lessons learned from experience.

The attendees will attain:

- a comprehensive view of different approaches for establishing the legal and regulatory framework;
- a specific knowledge of requirements of legal framework and international conventions;
- insight into the regulatory role, function and capability.

The course is conjunctly organized by:

Dipartimento di Ingegneria Nucleare
Università degli Studi di Palermo
Viale delle Scienze, Ed. 6
90128 Palermo
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ITER-Consult s.r.l.
Via A. Poliziano, 51
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Ph: +39 050 2218015
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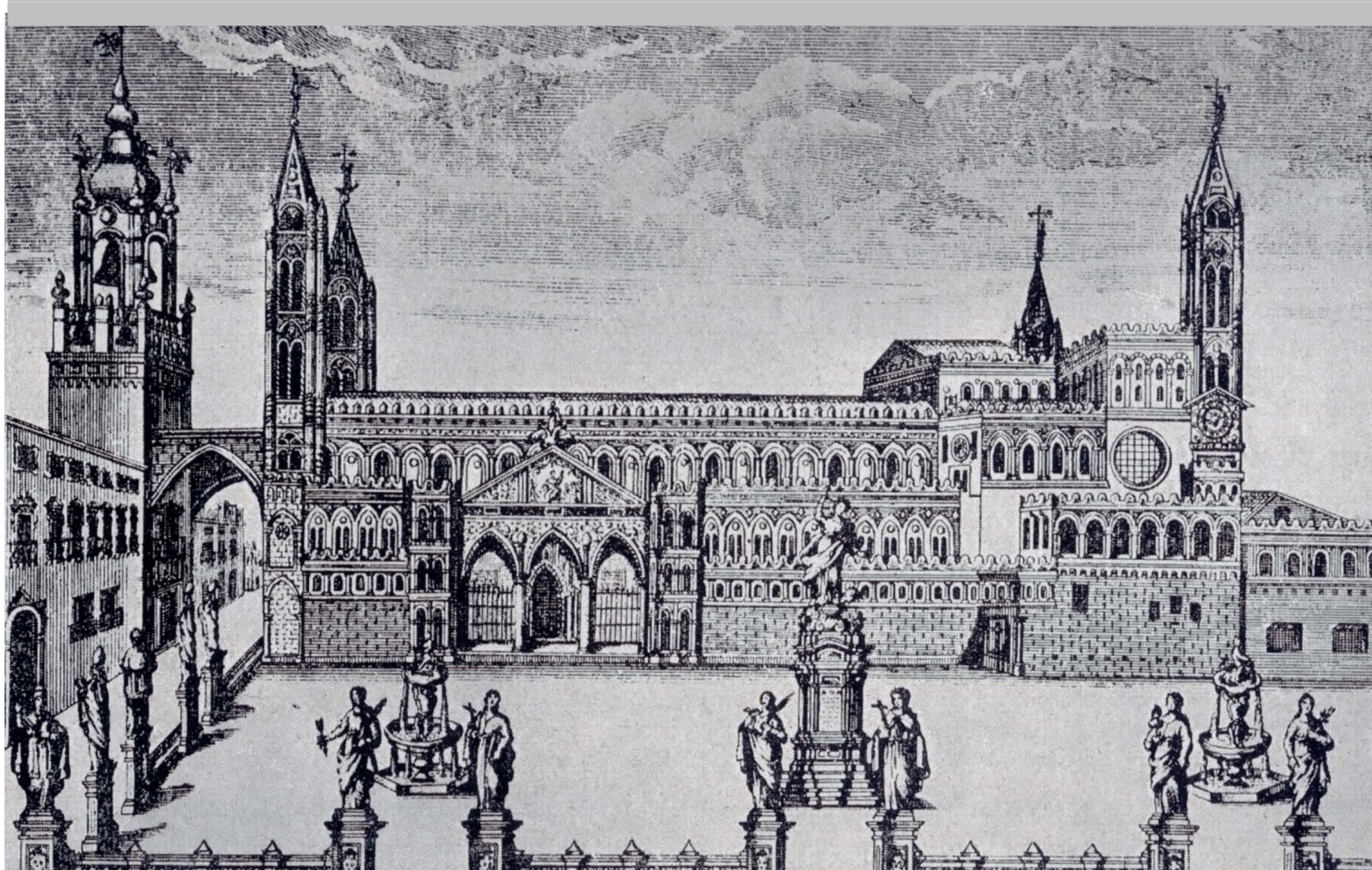
Università di Palermo
Dipartimento di Ingegneria Nucleare

Course on National Nuclear Infrastructure and Institutional Capacity

Palermo, Italy
September 14th-18th, 2009



Course on National Nuclear Infrastructure and Institutional Capacity

DRAFT PROGRAM

OPENING

BACKGROUND ON NUCLEAR SAFETY and SECURITY

- Historical development of Nuclear Power Plants, significant milestones
- Basic safety concepts and requirements: Radiological Safety Objectives, Defence in Depth, Barriers, Safety Functions, Safety Systems Structures and Components, Prevention and Mitigation, Safety Analysis, Accident Management, Security and Physical Protection, Quality Assurance
- Fundamental safety principles
- Current status of nuclear power, reactor designs and their safety features
- Radioactive Waste Management (RWM) and Decommissioning issues

INFRASTRUCTURE, INSTITUTIONAL ROLES and RESPONSIBILITIES

- Milestones for developing national nuclear infrastructure
- Relevant infrastructure issues
- Evaluation of the status of national infrastructure
- Roles and responsibilities of major stakeholders
- National strategy for RWM
- Public Communication

LEGAL FRAMEWORK and INTERNATIONAL INSTRUMENTS

- Basic Law and secondary legislation
- Basic safety standards
- International Conventions
- Compliance with international instruments
- International Cooperation and networking

REGULATORY FUNCTIONS

- Legislative and regulatory framework
- Size, structure, competence and staff of the Regulatory Authority
- Elements of regulatory independence
- Organization & management of regulatory review
- External support (TSO)
- Major regulatory functions
  - Authorization, licensing process and steps
  - Requirements for safety analysis to be performed by the Applicant
  - Review and safety evaluation performed by the Regulator
  - Regulatory Inspection and enforcement
  - Development of regulations and guides
- Supplementary regulatory functions: Emergency preparedness, Radiological monitoring, Research and development
- New approaches for the regulation of new reactors

FINAL SUMMARY

Organizing Committee:

G. Vella (UNIPA-DIN) - Chairman

P.A. Di Maio (UNIPA-DIN), V. Lopes (UNIPA-DIN), A. Madonna (ITER-Consult), S. Paci (UNIPI-DIMNP), K. Slavcheva (ITER-Consult)

Steering Committee:

A. Madonna (ITER-Consult) - Chairman

R. Di Sapia (MAE), G. Forasassi (CIRTEN-UNIPI), M. Gasparini (IAEA), G. Maresca (ISPRA), J. Misak (NRI), S. Paci (UNIPI-DIMNP), J.Y. Ravachol (ASN), J. Reig (NEA), M. Tichy (SUJB), G. Trenta (ITER-Consult), G. Vella (UNIPA-DIN)

PLACE: Palermo – Italy
Dipartimento di Ingegneria Nucleare
Università degli Studi di Palermo
Viale delle Scienze, Edificio 6,
90128 Palermo

SCHEDULE: September 14 – 18, 2009

REGISTRATION DEADLINE:
September 5th, 2009

REGISTRATION FEE: 500 € (plus VAT, if applicable). It includes the attendance at the course lectures and a copy of the course material. It also covers coffee breaks, lunches and the social dinner.
Accommodation and travel expenses are not included.

WEBSITE: www.iter-consult.eu

ACCOMMODATION: A list of central hotels not far from the course location is available on the Course Website. Participants will make directly their own hotel reservations.

INFORMATION – REGISTRATION

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