



## **Máster Universitario en “Ciencia y Tecnología Nuclear”**

### **Master Erasmus Mundus SARENA (Safe and Reliable Nuclear Applications)**

#### **ADVANCED SEMINARS:**

### ***“Requirements to provide effective response to nuclear or radiological emergencies”***

**Lecturer: Ramón De la Vega**

Mr. Ramon De la Vega was born in 1955. He holds the title of Industrial Engineer, specialized in Power Generation Technologies, obtained in the Polytechnic University of Madrid in 1978. In 2010 he completed a Master Degree in Security and Assets Protection from the European University of Madrid. During his professional career he worked as Associate Professor in the Fluid Mechanics Department (between 1978-79), as Project Engineer in Empresarios Agrupados for Valdecaballeros NPP Project (between 1981-83). In 1983 he joined the Spanish Regulator (Nuclear Safety Council), working as Project Manager for Jose Cabrera NPP and Almaraz NPP (between 1983-1988), as Senior Resident Inspector in Trillo NPP (between 1988-99) and Jose Cabrera NPP (between 1999-2006). In 2007 he returned to CSN headquarters, working as Resident Inspection Coordinator (between 2007-09), Deputy Director for Emergencies and Security (between 2009 to 2013) and Head of Office of Research and Knowledge Management (between 2013-16). In 2016 he joined the International Atomic Energy Agency as Emergency Preparedness Coordinator until his retirement in 2021.

#### **Abstract:**

This session will include an overview, based on the Safety Standards of the International Atomic Energy Agency (General Safety Requirements, Part 7: Emergency Preparedness and Response), of the main aspects required to ensure adequate response to nuclear or radiological emergencies, covering:

- Basic concepts of Emergency Preparedness and Response to Nuclear or Radiological Emergencies (EPR)
- Goals to be fulfilled in response to nuclear or radiological emergencies and importance of Preparedness
- Requirements for successful response to nuclear or radiological emergencies:
  - General Requirements.
  - Functional Requirements.
  - Requirements for Infrastructure.
- Outline of the main challenges to overcome for an adequate response:
  - Justification of the protection strategy: ensuring that protective actions do more good than harm.
  - Communication with the public: Providing understanding of risks associated to radiation and putting them under perspective. Main points to consider for successful communication.

Date and time: **Friday 12 May 2022 [10:00 – 12:00]**

Place: **Aula “Artigas”** de la ETSII

*Con el patrocinio de la Cátedra de Seguridad Nuclear “Federico Goded”*