

Prof. Eduardo Gallego. Member of ICRP Committee 4



Engineer in Energy Technology (1982); Ph.D. (1990); Professor (permanent academic staff) at Technical University of Madrid (UPM) since 1993; Chair Professor since 2012. Director of the Nuclear Engineering Department (2011-2014). Head of UPM [research group on Science and technology of advanced nuclear fission systems](#), including an experimental facility for neutron detection and dosimetry. Teaching activity on Radiological Protection, Radioactive Waste Management, Environmental Radiological Impact Assessment and Nuclear Safety. Supervisor of 9 PhD Theses. Director of UPM [MSc Program on Nuclear Science and Technology](#).

Research lines on Radiation Protection:

- Environmental radiological impact
- Accident consequence assessment
- Emergency planning, countermeasures and rehabilitation strategies analysis for radioactively contaminated areas
- Neutron dosimetry and neutron measurement instruments (supervisor of the neutron research laboratory of the university).

Prof. Gallego has more than thirty years' experience in the field of assessment of radiological and economic consequences of nuclear accidents, emergency planning and related problems, participating in the 80's and 90's in some international working groups (like groups of experts of the NEA/OECD-CRPPH, IAEA's VAMP or the EC project MARIA). He collaborated with the Nuclear Safety Council of Spain (1989-1995) in the evaluation of emergency planning in Spain, and more recently (2005-2013) in the implementation and use of decision support systems for nuclear and radiological emergencies (JRODOS, MOIRA).

Remarkable research contributions in **European projects** like MOIRA (*A Model-Based Computerised System for Management Support to Identify Optimal Remedial Strategies for Restoring Radionuclide Contaminated Aquatic Ecosystems and Drainage Areas*), EURANOS, NERIS-TP and PREPARE. Co-founder and member of the Management Board of the [NERIS Platform](#) (*European Platform on Preparedness for Nuclear and Radiological Emergency Response and Recovery*). Member of the Scientific Council of **CEPN** (France) since 2012, and President of it since 2018.

Co-editor of 4 books. Author or co-author of more than 80 scientific papers in international journals; more than 20 in national journals of professional interest; 19 in books. Author or co-author of more than 100 communications to international congresses and 70 to national congresses⁽¹⁾.

Besides his academic and scientific profile, Prof. Gallego is member of the Spanish Society for Radiological Protection (**SEPR**) since 1986, having been member of the Executive Board (Treasurer) in 2000-2004, Vice-President (2010-2012) and President (2013-2015).

In the International Radiation Protection Association (**IRPA**), he was member of the International Congress Programme Committee (ICPC) of the IRPA10 Congress (Hiroshima) in 2000; scientific Secretary of the ICPC for the IRPA-11 Congress (Madrid) in 2004 and Chairman of the ICPC for the IRPA12 Congress (Buenos Aires) in 2008. Member of the core group elaborating the "*IRPA Guiding Principles for Stakeholder Engagement in Decision-Making in RP*" and the "*IRPA Guidance on Certification of a Radiation Protection Expert*". In 2015 co-organized the *Second European Workshop on the Ethical Dimensions of the Radiological Protection System*, in cooperation with ICRP. In 2008 he was elected member of the IRPA Executive Council for the period 2008-2016, and in 2016 he was elected IRPA Vice-President for the term 2016-2020.

In **ICRP**, Prof. Gallego was member of the Task Group producing **ICRP Publication 111**, *“Application of the Commission’s Recommendations to the Protection of People Living in Long-term Contaminated Areas after a Nuclear Accident or a Radiation Emergency”* (2010). Member of **ICRP Committee 4** (2013-2017) and (2017-2021), acting as **critical reviewer** of: **ICRP Publication 146** *“Radiological Protection of People and the Environment in the Event of a Large Nuclear Accident”*; **TG98** *“Application of the Commission’s Recommendations to exposures resulting from contaminated sites from past industrial, military and nuclear activities”*; **TG97** *“Application of the Commission’s Recommendations for Surface and Near Surface Disposal of Solid Radioactive Waste”*; **TG 105** *“Considering the Environment when Applying the System of Radiological Protection”* and **TG 114** *“Reasonableness and Tolerability in the System of Radiological Protection. Contributor to the TG 92 on Terminology and Definitions”*.

⁽¹⁾ See research profiles and publications in:

https://www.researchgate.net/profile/Eduardo_GALLEGO;

<https://scholar.google.com/citations?user=opp8eRYAAAAJ&hl=en> ;

<https://orcid.org/0000-0001-8338-4959>