

Dr. Almudena Real



Dr. Almudena Real has a PhD degree on Biology from the Autonomía University of Madrid, Spain. In 1986 she started working in CIEMAT, a public Centre for Research in Energy, Environment and Technology of the Spanish Government, in which nowadays has a permanent position as researcher. She has worked in several research groups: Effects of Ionising Radiation (1986-1995); Risk assessment of Environmental Carcinogens (1995-1998), being the leader of the project “Mechanisms of radiation-induced haematological carcinogenesis”; Radiation dosimetry (1998-2008), being the leader of the project “Microdosimetry”; Radiation Protection of the Public and the Environment (since 2009), being the leader of the research line “Radiological Protection of the

Environment”.

Her fields of expertise are: Radiobiology; Radiation Protection; Risk assessment methodologies (both for radiogenic and non-radiogenic carcinogens); Protection of the environment.

She has made stays in several research centres outside Spain: Laboratory of Central Nervous System Studies, National Institute of Health (NIH), Bethesda, Maryland, USA, with a grant of the NIH (Summer 1984); Experimental Haematology Department, Paterson Institute for Cancer Research, Manchester, UK, with a grant of the EC (May 1991- July 1992); Biological Effects Department, National Radiological Protection Board (NRPB), Chilton, UK (5 weeks in 1999); Institute of Molecular Radiobiology, GSF, Munich, Germany (6 weeks in 2005).

She has participated in more than 20 research projects funded by National or European Programmes and Industries, among them: FASSET (Framework for Assessment of Environmental Impact). FP5 EURATOM, 2000-2003; ERICA (Environmental Risk from Ionising Contaminants: Assessment and Management). FP6 EURATOM, 2004-2007; STAR (Strategy for Allied Radioecology) FP7 EURATOM (2011-2016), as leader of the project within CIEMAT; COMET (COordination and iMplementation of a pan-European instrument for radioecology) FP7 EURATOM (2013-2017), as leader of the project within CIEMAT;

She is the representative of CIEMAT in the European Radioecology Alliance (<http://www.er-alliance.org/>). She has participated in several groups of experts on the field of radiological protection of the environment (IAEA, NEA), and is a referee of the scientific journals: Radiation and Environmental Biophysics and Journal of Environmental Radioactivity. Since 1992 she actively participates in national and international training courses on radiobiology and radiation

protection, including radiation protection of the environment. She actively collaborates with the Spanish Society on Radiological Protection (Director of the Journal “Radioprotección” (2005-2007); Member of the Committee for Scientific Activities (2004-2007); Member of the Communication Committee (2001-2004)).

Since 2005 she has been a member of the ICRP Committee 5, and since May 2011 the Secretary of this Committee.