

1 . Understanding human health effects from ionising radiation and improving dosimetry

- I. Improvement of health risk assessment associated with low dose/dose rate radiation.
- II. Improvement of occupational dosimetry.
- III. Patient-tailored diagnosis and treatment: full exploitation and improvement of technology and techniques with clinical and dose structured reporting.

2 . Radioecology, emergency and social sciences and humanities

- I. Biomarkers of exposure and effects in living organisms, as operational outcomes of a mechanistic understanding of intra- and inter-species variation of radiosensitivity under chronic low dose exposure situations.
- II. Countermeasure strategies preparedness for emergency and recovery situations.
- III. Models, tools and rationales for stakeholder engagement and informed decision-making in radiation protection research, policy and practice for situations involving exposures to ionising radiations.