The Radiation Protection Group ensures Host State compliance with radiation protection legislation. The operational radiation protection keeps track of all CERN activities and a number of services aim at personnel protection, transport, waste processing, radiation and stray monitoring, spectroscopy, electronics design, maintenance, software design, calibration, source supply, dosimeters and establishment of rules and procedures with respect to radiation protection. A comprehensive research and development programme focuses mainly on instrument design.

There is an overlap and therefore strong collaboration between radiological protection and environmental protection.