

## EURADOS Working Group 2

# Harmonization of Individual Monitoring in Europe

### Motivation

The motivation of WG2 is to foster Harmonization of Individual Monitoring in Europe. In order to achieve this goal, three main tasks were identified: the organization of regular self-sustained intercomparison (IC) exercises, the improvement of quality and reliability in measurements, dose reporting and record keeping, as well as the dissemination of the generated activity.

The organization of regular IC exercises provide to the individual monitoring services a method to show compliance with the ISO/IEC 17025 requirements, as accreditation in conformity to this standard is becoming more and more important in Europe.

Under the improvement of quality and reliability, several activities have been identified, including the need to ensure continuing and future personnel skills through training, and the sharing of best practice through workshops and networks.

Best practice and recommendations are further shared by dissemination activities though, in addition to training courses, publications and presentations at various scientific meetings and/ or in journals.

EURADOS WG2 has been active since 1997 and has regularly published the results of its activity in the open literature (e.g. *Radiation Protection Dosimetry*, *Radiation Measurements*) and through EURADOS Reports.

### Aims

- > **Harmonization of Individual Monitoring in Europe.**
- > Improving IM measurements, QA/QC, dose reporting and recording.
- > Organizing regular and self-sustained **intercomparison exercises.**
- > Maintaining the WG02 **network of IMS contacts.**
- > **Implementation of RP 160 – EC Technical Recommendations** for monitoring individuals occupationally exposed to external radiation, e.g. organizing self-sustained actions such as a Training Courses and workshops;
- > **Disseminating knowledge** on external dosimetry (presentations, publications, training, etc);
- > **Collaborating with other WGs** and networks as partners in the future projects.

## Actions

### Completed (since 2008)

- > IC2008, intercomparison of whole body dosimeters for photon fields. Participants: 62 dosimetry systems from 24 European countries and IAEA. Report published.
- > IC2009, intercomparison of extremity dosimeters for photon and beta fields. Participants: 59 systems from 18 European countries and IAEA. Report published.
- > IC2010, intercomparison of whole body dosimeters for photon fields. Participants: 85 dosimetry systems from 30 European countries and IAEA. Report published.
- > Publication of RP 160, The EC Technical Recommendations (EU-Trimer project)
- > IC2012ph on whole-body dosimeters for photon fields was completed at the AM2013. Report published.
- > IC2012n on whole-body dosimeters for neutron fields was completed at the NEUDOS12 in June 2013. Report published.
- > Training courses on the implementation of RP: 2012 in Krakow, 2013 in Zagreb and 2014 in Lisbon.
- > The list of WG02 contact persons and IMS in Europe was updated.
- > IC2014ph on whole-body dosimeters for photon fields was completed at the AM2013. Report published.
- > A EURADOS QA survey 2012 was prepared, distributed to all IMS in the WG02 list of contacts, and results were collected and analysed. Report published.
- > WG02 work was disseminated at various meetings including the Individual Monitoring Conference 2015, Brugge.

### In Progress

- > Intercomparison programme continues with IC2016ph (whole body)
- > Producing proposal for regular short workshops to encourage harmonisation and to develop IMS expertise.

### Planned

- > Planning for further training course in 2017.
- > Further IC for neutron dosimeters, 2017.

## Members

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## Additional information

WG02\_AM2016\_ Progress Report