



**RING of FIVE WORKSHOP**  
dedicated  
to airborne radionuclides  
at trace levels in Europe  
Sunday 7 September 2014  
Barcelona, Spain

Organized by  
**IRSN**  
INSTITUT  
DE SÉCURITÉ  
ET DE SÉRIÉ NUCLEAIRE

**IUR** International Union  
of Radioecology

 International Conference on  
Radioecology and Environmental  
Radioactivity  
7-12 Sept 2014 - Barcelona, Spain

## Ring of Five IUR Task Group, first international Workshop on surveillance of atmospheric low level radioactivity

As a side event of the last ICRER Conference in Barcelona, the Ring of five (Ro5) network has held its first enlarged international workshop on Sunday 7 September, 2014. This workshop was organized by the French Institute for Radiological Protection and Nuclear Safety (IRSN) under the aegis of the International Union of Radioecology (IUR) and with the support of the Norwegian Radiation Protection Authority (NRPA).

Fifty five attendees participated to this first edition with 18 oral communications and 8 posters. Knowledge on low-level atmospheric radioactivity is of primary importance since it makes it possible to size the consequences of any atmospheric release in case of a radiological event, whatever its magnitude. Teams and laboratories that own such high sensitiveness are also able to study the reasons for any significant increase and to study the mechanisms involved in radionuclide atmospheric transfers and interactions between the atmosphere and other compartments of the biosphere.

On the occasion of this first workshop, findings related to recent trace events characterization; methodologies, organizations and a special focus on iodine were presented. Beside technical and scientific discussions it has been proposed to create sub-groups based on prior identification of on-going and future R&D priorities established in the framework of the FORUM initiative.

As a first start, 3 main Ro5's subgroups would rapidly see the light of day. It was also adopted that this network worth entering a new era of information exchange through the IUR website and the Ro5's task group dedicated web pages. Finally a proposal has been made to host the next Ro5 workshop on the Baltic shore in northern Germany.



*Some attendees of the Ro5 workshop*