1. INTRODUCTION
The Joint Research Centre (JRC) located in Ispra, is one of the research sites belonging to the European Commission, Directorate General JRC. It was created in the late ‘50s, in order to lead the European research in the field of nuclear industry.

2. MATERIAL AND METHOD
The JRC Ispra WBC laboratory is equipped with HPGe semiconductor detectors used to investigate internal contamination inside specific organs (Thyroid, lungs). For background and calibration measurements an anthropomorphic Livermore phantom is used.

3. INTERCOMPARISON PROGRAMME
In 2004 the IRSN (Institut de Radioprotection et de Sûreté Nucléaire) was established as an organising institution for the triennial intercomparison programme of anthroporadiometric measurements in the field of Whole Body, Lungs and Thyroid Counting.

4. THYROID COUNTING INTERCOMPARISON 2011
The first exercise planned was a thyroid geometry intercomparison and 18 laboratories out of a total of 34 installations participated.

5. INTERCOMPARISON 2011 MEASUREMENTS RESULTS

6. CONCLUSION
- The JRC Ispra WBC Laboratory succeeded in the Thyroid Intercomparison 2011 with very good results reaching the required values for all 3 sources.
- The calculated uncertainty also includes the factor for repositioning uncertainty as the JRC Ispra laboratory is not equipped with a laser positioning system. The other laboratories had this system. This factor significantly increases the uncertainty value.
- The participation in Intercomparison programmes is becoming a requirement for any laboratory in order to apply for accreditation as stated in ISO/IEC 17025:2005.