

## Division of Nuclear and Radiochemistry Annual Report 2015

As any odd year, 2015 has been a year without a European Nuclear and Radiochemistry (NRC) conference. Therefore, in 2015 the activities of the Division of Nuclear and Radiochemistry (DNRC) concentrated on regular business, the CINCH II project and the preparation of future activities. A number of topical conferences took place in the reporting period in various sub-fields of NRC such as the Migration Conference at Santa Fe in September.

DNRC was actively involved in the preparation of the 6th European Chemistry Congress, to take place in Seville in 2016. DNRC has also been supervising the on-going organisation of the next European Nuclear and Radiochemistry Conference – 9<sup>th</sup> International Conference on Nuclear and Radiochemistry (NRC9), to take place in Helsinki, Finland, on 29 August – 2 September 2016. We have the pleasure to inform you that Professor Thomas Fanghänel, one of the most internationally distinguished radiochemists, will give the opening lecture (more info available at <http://nrc9.it.helsinki.fi/>).

The DNRC has been appointed as the formal accrediting body for the new EuroMaster Degree being created as part of the CINCH II project – Cooperation in education and training In Nuclear Chemistry. This is a coordination action supported by the European Atomic Energy Community's 7th Framework Programme (EURATOM FP7 2007 – 2011) and is a direct continuation of the CINCH-I project. The CINCH-II project aims at mobilisation of the identified existing fragmented capabilities to form the critical mass required to implement the courses and meet the nuclear chemistry postgraduate education and training needs of the European Union, (<http://cinch-project.eu/>). CINCH II has established minimum requirements for the EuroMaster in nuclear and radiochemistry which will be evaluated by the DNRC upon receiving an application(s). Universities fulfilling the minimum requirements are allowed to grant the NRC EuroMaster label to their students. These universities will form a network to promote NRC education in Europe and to organise student exchange and common courses. The Division will evaluate the candidate universities by comparing their NRC curricula to the minimum requirements set in this document. If the NRC curriculum fulfils the requirements by 90% the university will be given the right to grant NRC EuroMaster to their NRC students and the university will become a member in the NRC EuroMaster Network. The aims of the NRC EuroMaster are to give the European NRC students good common knowledge and skills in nuclear and radiochemistry and thereby harmonise, at a minimum level, the teaching programs in European universities. A further aim of the NRC EuroMaster is to promote the exchange of students, teachers and teaching tools and help employment of nuclear and radiochemists at a European level. On completion of the NRC EuroMaster program the student should have the following knowledge, abilities and skills:

1. Subject knowledge:
  - Recall the underlying principles of nuclear and radiochemistry
  - Explain the main practical aspects of nuclear and radiochemistry
2. Abilities and skills:
  - Perform essential radiochemistry related calculations
  - Work safely in a radiochemistry laboratory
  - Perform chemical reactions including radionuclides
  - Use a range of radiation measurement techniques
  - Handle radioactive materials safely
  - Identify the hazards pertaining to a radionuclide