

EHRO-N AND THE HUMAN RESOURCES OF THE NUCLEAR ENERGY SECTOR. ANALYSIS OF DEMAND AND SUPPLY IN EUROPE

Tuesday 13 May 2014 09:40 (15 minutes)

In 2010, the European Human Resources Observatory for the Nuclear energy sector (EHRO-N) analysed the demand and supply of human resources (HR) in the European nuclear field in the short, medium and long term. Before this analysis, no comprehensive picture on the demand/supply of nuclear HR was available for the whole EU-27. Apart from France, UK and Finland, who have monitored their national demand and supply of the nuclear workforce through comprehensive national surveys, the availability of national data varies, indeed, from country to country. However, national data and reports on nuclear HR are missing for most EU's Member States (MSs). The same reports produced by international organizations, such as IAEA and OECD/NEA, do not always provide complete data.

The paper summarizes the result of the EHRO-N analysis. The focus is on the match (and mismatch) between the demand and supply of highly skilled workforce in the nuclear field (or "nuclear experts") at present and in the future. Data was collected by EHRO-N through an EU-wide survey. The process of data collection and analysis also benefited from the co-operation with EHRO-N's Senior Advisory Group (SAG), which brings together the representatives of research organisations, industry, international organisations, etc. involved in nuclear energy across Europe. Finally, the paper puts the demand/supply of nuclear experts in the EU-27 into a broader perspective by highlighting the major lessons learnt and possible future areas of intervention and compares it to a top-down modelling study on HR needs based on the EU 2050 Energy Road map.

Author: Mr FLORE, Massimo (European Commission - JRC)

Co-authors: Dr BARBONI, Marcello (European Commission - JRC); Dr VON ESTORFF, Ulrik (European Commission - JRC)

Presenter: Mr FLORE, Massimo (European Commission - JRC)

Session Classification: Session 1B - Human Resources and Capacity Building

Track Classification: Session 1: Human Resources and Capacity Building