EUROPEAN ACADEMY OF DECOMMISIONING

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Considerations about the European Decommissioning Academy (EDA)Vladimir Slugeň and Robert HincaInstitute of Nuclear and Physical Engineering Slovak University of Technology, Bratislava, Slovak RepublicAccording to analyses presented at EC meeting focused on decommissioning organized at 11.9.2012 in Brussels, it was stated that at least 500 new international experts for decommissioning will be needed in Europe up to 2025, which means about 35 per year.Having in mind the actual EHRO-N report from 2013 focused on operation of nuclear facilities and an assumption that the ratio between nuclear experts, nuclearized and nuclear aware people is comparable also for decommissioning (16:74:10), as well as the fact that the special study branch for decommissioning in the European countries almost does not exist, this European Decommissioning Academy (EDA) could be helpful in the overbridging this gap.For the first run of the EDA scheduled on 2014 we would like to focus on VVER decommissioning issues because this reactor type is the most distributed design in the world and many of these units are actually in decommissioning process or will be decommissioned in the near future in Europe.A graduate of the European Decommissioning Academy (EDA) should have at least bachelor level from technical or natural science Universities or Colleges and at least one year working experiences in the area of NPP decommissioning or nuclear power engineering. This study creates prerequisites for acquiring and completion of professional and specialized knowledge in the subjects:

- Decommissioning according to IAEA and EC Directives
- Nuclear physics and chemistry (Special laboratory exercises)
- VVER design
- Nuclear safety
- Decommissiong cost calculation and project management
- Legislative requirements for decommissioning
- Fuel cycle and spent fuel management
- Radiation protection (Special laboratory exercises)
- NPP decommissioning and radioactive waste treatment
- Contamination and decontamination technologies (On-site training)
- Strategy of back-end part of nuclear energy
- Storage of radioactive waste and deep repositories

The important part of the study will be also practical experiences based on laboratory exercises at universities, on-site training and demonstration at the NPP in Jaslovske Bohunice and 4 days technical tours at selected nuclear facilities in the Central Europe or Russia.The need to maintain and increase competent and qualified staff is a recurrent concern in the nuclear sector. In particular, in view of the growing decommissioning market, it can be expected that industry will involve new actors, including, in some cases, small and middle enterprices. The organisation of ad hoc training programs is also essential with a strong link to research and educational organisations.