

ENYGF Report

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The European Nuclear Young Generation Forum (ENYGF) is a biennial technical conference for European young professional working in the nuclear field. The Young Generation of the Czech Nuclear Society was elected to hold this conference in the cooperation with European Nuclear Society - Young Generation Network. The forum consists of two main parts: the lectures given by the participants and technical visits. It was also possible to present papers in form of a poster.

Background: The tradition of the ENYGF started in year 2005 in Zagreb. After forums in Amsterdam, 2007 and Cordoba, 2009, the 2011 ENYGF was hold in Prague, 2011, from May 17 to May 20. More than 250 persons attended the conference.

Conference:

List of topics discussed during the conference:

- Nuclear Safety and Severe Accidents
- Education and training
- Service and Operation of NPP
- Back End Issues
- New Builds
- ITER and Fusion
- Nuclear Medecine

The conference started with European Master of Science in Nuclear Engineering (EMSNE) 2010 ceremony. The European students that performed their nuclear studies at university that is a member of ENEN and also took nuclear courses abroad, at other university that is a member of ENEN, could apply for the European Master certificate. This framework program started at 2005. This unique opportunity for European students is not well known and information about this program should be transferred. Currently, there are only 68 European students that applied for this certificate from 2005: Spain (24), Italy (18), France (15), Belgium (6), UK (3), Romania (2). <http://www.enen-assoc.org/en/activities/for-students/master.html>

The qualities of the following presentations were very high. However, the topic on "education and training" was particularly interesting for us:

- The ENS presented its education and training platform. It provided an overview of available university courses as well as training and education programmes offered by industry and other institutions. The platform will continue to evolve thanks to the input it will receive from the conference and the participants. The ENS' members are also invited to participate. In the near future, the platform will develop a career opportunity portal. Each company will be encouraged to post internship, trainee and job offers. <http://www.euronuclear.org/1-education-training/index.htm>
- The IAEA presented a paper on the need for knowledge preservation. The risk is that delayed decision on nuclear energy policy and the recent accident in Fukushima NPP will lead to a decrease in the enrolment of European students and young professionals in the energy sector. The IAEA offered several programmes directed to promote knowledge management and transfer.

- A educational and “fun” initiative was presented by operators from Slovenia who are developing a nuclear power plant simulator for the general public. Arguing that games help familiarise players with the activity in question, they are developing a NPP simulator for children, general public and engineering graduates. The game is still in development phase but looks very promising.
- The Spanish young generation in nuclear are holding a seminar on nuclear safety in advanced reactors. This university courses (with credits) is taught by young professional experts in their field that belong to the YG. 70 people attend the seminar (4 sessions of 3 hours).

WiN Europe Poster:



WiN Europe was able to present a poster on the WiN Europe Mentorship Programme. Sophie Prévot, WiN Europe General Secretary and Andrea Bachrata, IRSN were present to meet young professionals and students, to exchange and promote our new association.

Several young women showed interest in the project and we hope to welcome them soon in WiN Europe. The WiN Europe objectives were presented to participants from the following countries: England, Italy, Spain, France, Belgium, Germany, Finland, Czech republic, Slovak republic, Lithuania and Russia.

Here, we summarize few interesting reactions and questions:

- I do CFD simulations and I think that it is very technical. Can I be a member of WiN? (girl from Germany)
- I am not working in a technical field, I work at IAEA. Can I be a member of WiN? (girl from France)
- What is the role of men in WiN? I am interested to be a member, to support women but it is not well explained, what does it mean if men are in WiN. I am afraid that it would be bad understood. (men from Spain)
- If WiN Europe will organize the similar conference like this, would you participate? I do not think so, there is also WiN Global conference and I think that it is not very technical. I am afraid to ask my boss to participate. I should prove that it is useful for my future education and qualification. (girl from Finland)
- I know that there exist WiN association in my country. I am a member and I am invited on meetings. I do not want to go there. I am in a young generation, I feel here better.

After my 30 years I will be interested in WiN. I have no idea, what to talk about with the members. (girls from Slovak republic)

- I am bad informed about WiN association in my country. I do not know who is on the board and what they do. I know that there exist an infoWiN bulletin and I like it. There are interviews with women working on nuclear field. (girls from Czech republic).
- I know that there is WiN Global conference. I am not working in a nuclear field but I would like to participate. If I ask my boss, he does not agree, he does not have very positive opinion about it. (girl from Lithuania)
- I am a member of young generation in Belgium. There is no WiN association. The YG network is very strong there, they organize many activities. I do not know if WiN association is necessary. (girl from Belgium)

To summarize, we should discuss how to answer globally to these kinds of questions:

- Place of men in WiN
- Place of people with non-technical background
- How to convince your boss that WiN is important for your career
- Link between the YG and WiN
- Politics to reach out to young women

Technical Visits: Each participant could choose to participate in a technical visit:

- Richard Radioactive Waste Repository
- ŠKODA JS
- Training Reactor VR-1
- Research Reactor LVR-15

Richard Radioactive Waste Repository: Richard repository is situated in the vicinity of the town of Litomerice, in the complex of the former limestone mine Richard II. Radioactive waste has been disposed there since 1964. The total volume of the repository exceeds 16 000 m³, the capacity of the disposal is approximately half the volume.

A representative of the Radioactive Waste Repository Authority presented the nuclear waste management in the Czech Republic, and the deep geological repository that will be opened in 2065.

Then, our group visited the former mine. Before its conversion, some parts of the mine were reinforced with concrete and a drainage system was constructed for the outlet of any water that might eventually reach the mine. Waste which is to be disposed there must be filled into 100 litre drums that are in turn inserted into 200 litre drums specially manufactured for radioactive waste. The space is filled with concrete.



Group picture in front of the Mine

ENS JG Core meeting: At the end of conference, the European Young Generation Network board has elected their new president. The president Edouard Hourcade from France finished

his two years period. The new president of EYG is Andrei Goicea from Romania. The new vice-president is Milo Alani from Sweden. Their working period on a board of EYG will be two years.

WiN Europe has been invited to participate to their next core meeting the 30th of September in Nuremberg. It will be a great opportunity to present our actions and start up actions with the Young Generation.