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for Research & Innovation

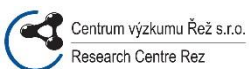
Establishment of VVER Training Academy CORONA II

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Introduction

- KM - cornerstone in Europe's vision for the development of safe nuclear energy
- EU - strong need for maintaining and preserving knowledge and nuclear competence
- Russian technology is popular amongst the European countries
- but operates mainly in small countries, which have no enough resources to maintain individually the whole necessary knowledge
- there are abt. 30 VVER units under construction in 10 countries in Europe and Asia
- some of these countries will operate nuclear power plants for the first time (e.g. Turkey, Vietnam)
- 3 years (09/2015 – 08/2018), 9 partners from 7 countries

Objectives of CORONA II

- Further development of the VVER training infrastructure
- Promoting the implementation of modern training methodologies and technologies
- Dissemination of experience and best practices in Europe in the field of training
- Promoting establishment and development of national training systems for the nuclear power sector in the new members (Vietnam, Turkey, Belarus, etc.)
- To contribute to the establishment of a framework for mutual recognition through pilot Implementation of ECVET

Objectives of CORONA II

- To integrate VVER education and training with the European education and training in nuclear safety and radiation protection
- To foster and strengthen the relationship with technology platforms, networks and other organisations in the nuclear education and training sector
- To promote good practices e.g. remote interactive learning (distance learning and e-learning), leadership academy for safety, etc.

Target groups

- Group A: Specialized training on specific VVER technology aspects for nuclear professionals and researchers
- Group B: Basic training on VVER technology specifics for non-nuclear professionals and subcontractors
- Group C: Specialized technical training on VVER technology for students studying nuclear disciplines
- Group D: Safety culture and Soft skills training for nuclear professionals and personnel of nuclear facilities suppliers and contractors

- Development of training programs and training materials
- Deliver a pilot training
- Validate the training program

Consortium

RUSSIA: National Research Nuclear University MEPhI (Moscow Engineering Physics Institute) NRNU MEPhI

BULGARIA: Institute for Nuclear Research and Nuclear Energy of Bulgarian Academy of Sciences (INRNE), Kozloduy NPP, Risk Engineering Ltd. (REL)

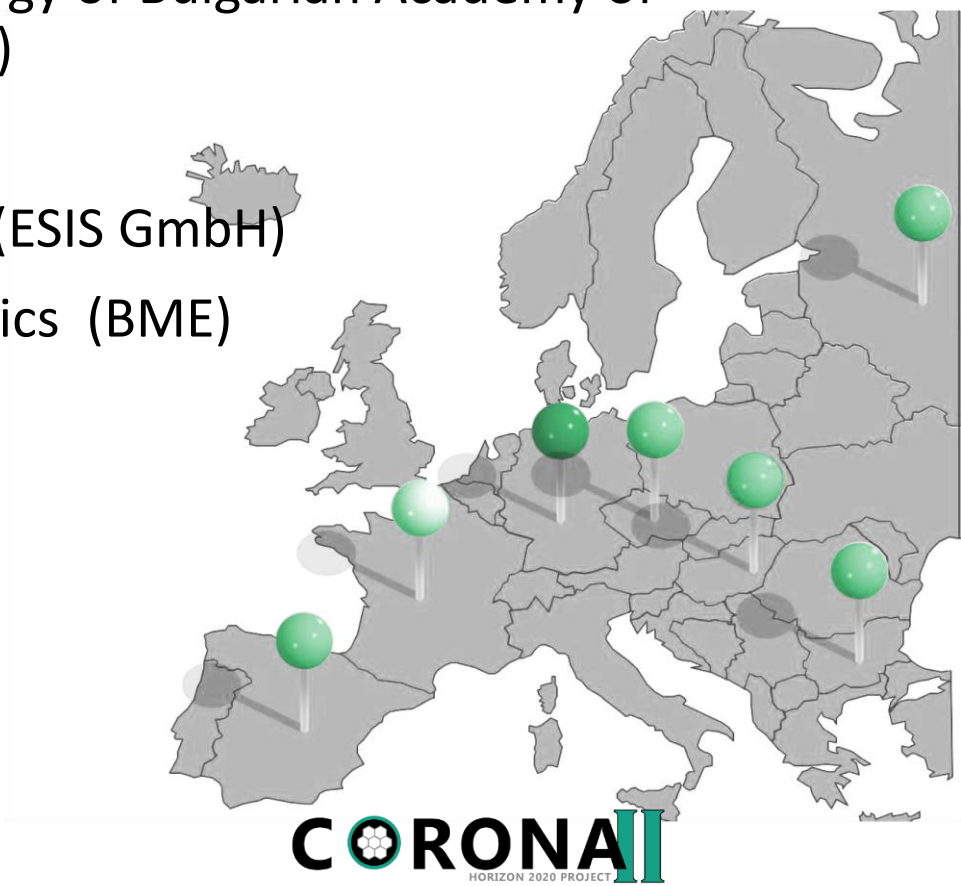
SPAIN: TECNATOM

GERMANY: Engineering Support and Intellectual Solutions (ESIS GmbH)

HUNGARY: Budapest University of Technology and Economics (BME)

FRANCE: European Nuclear Education Network (ENEN)

CZECH REPUBLIC: Research Center Řež (CVREZ)



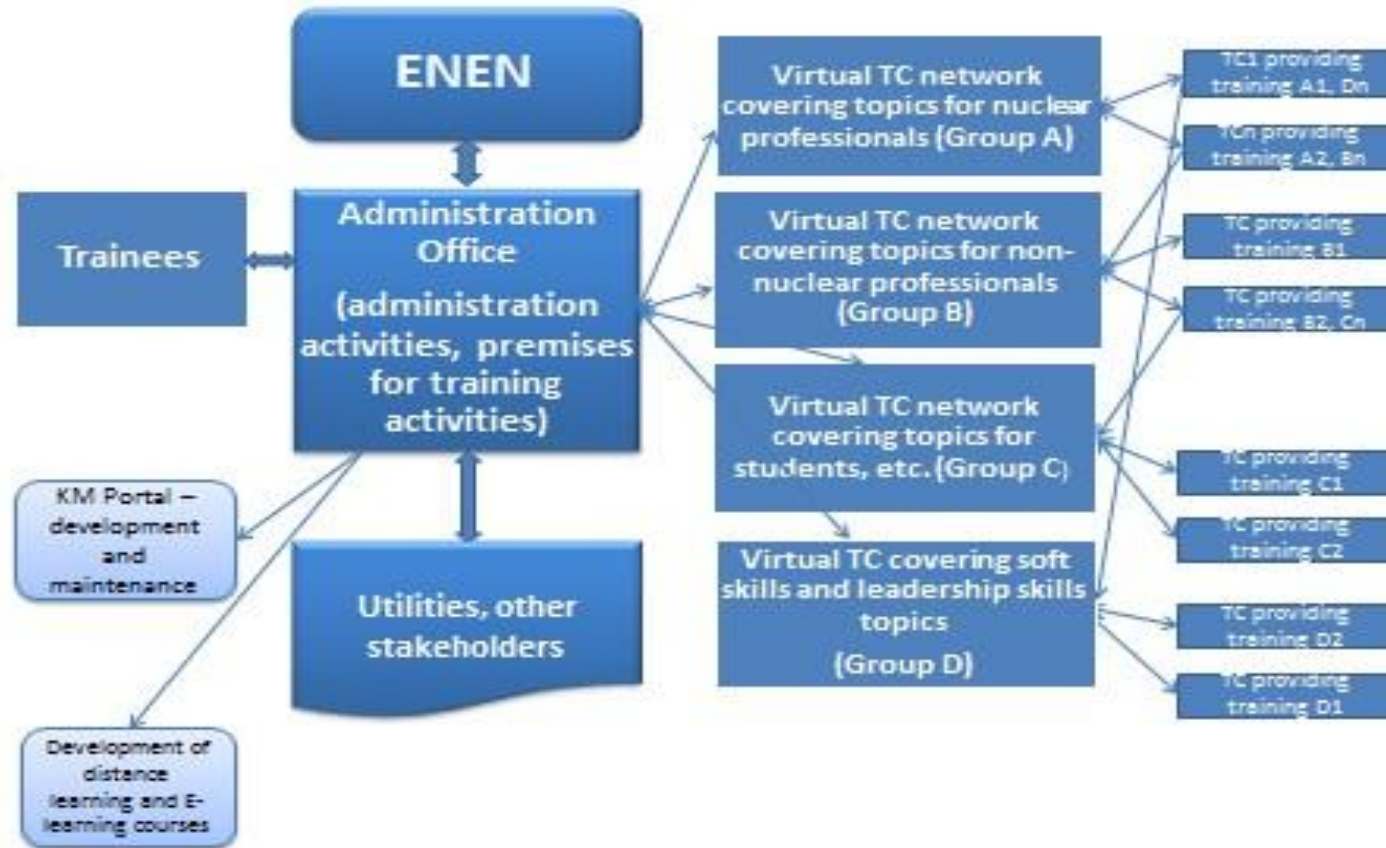
VVER Academy

- Development of common qualification criteria in the area of nuclear engineering
- Creation of common system for mutual recognition of the European MS certificates
- Promotion for more mobility of the professorial staff and trainees throughout the European Union
- Promotion of more tight collaboration with and feedbacks from nuclear employers

Implementation of CORONA Academy

- Evaluation of the training schemes , programs, courses , providers ...
- Implementation of corrective measures identified during the previous project
- Extension of KM Portal
- Selection of activities towards pilot implementation of ECVET
- Development of pilot courses using distance and e-learning tools
- Establishment of CORONA Academy
- Increased outreach, inclusion of partner training institutions , regional training hubs
- Development and pilot implementation of public outreach programmes to increase awareness of VVER technology.

Structure of CORONA Academy



Expected results

Impact on European Level:

To pursue nuclear research and training activities with an emphasis on continuous improvement.

Increasing the quality and participation of nuclear E&T community of VVER operating countries to the Euratom.

Impact at regional level:

Harmonization of nuclear education and training programs.

Increasing the quality of the process, to develop a common learning, teaching and training program.

To provide expert support to the authorities regarding nuclear education and training policy and development.

CLP4NET

Cyber Learning Platform for Nuclear Education and Training

- main instrument for conduction of remote (distant) lessons
- library of the educational modules and their pilot application for electronic or remote education of foreign students
- educational module for “nuclear” and “non-nuclear” professionals
- Integration of the CLP4NET platform and the informative portal <http://vverportal.com>

THANK YOU

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