

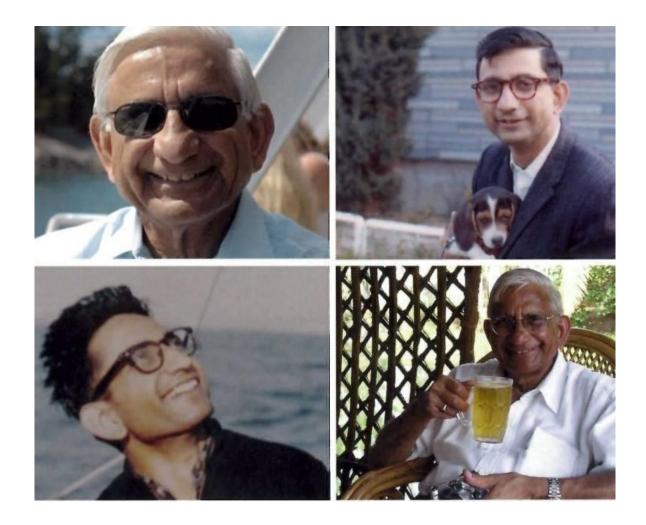
15 years of the European Nuclear Education Network (ENEN)

Academic session

March 1, 2018, 14:00-18:15 Koninklijke Vlaamse Academie van België, Paleis der Academiën Hertogsstraat 1, Brussels, Belgium



In memoriam Professor Bal Raj Sehgal





The ENEN Association today and tomorrow

Leon Cizelj

President of the Board of Governors European Nuclear Education Network (ENEN)



Geel, Belgium, February 2016





15 years, since 2003!



ENEN (66 members) is international non-profit organization with the **mission** to preserve and further develop the expertise in the nuclear fields by higher Education and Training.





OBJECTIVES

The main objective is the **preservation** and further **development** of expertise in the nuclear fields by higher Education & Training:

- Promote and further develop the **collaboration** in nuclear education and training of students, researchers and professionals
- Ensure the **quality** of nuclear education and training
- Increase the attractiveness for engagement in the nuclear fields for students, researchers and professionals
- Promote life-long learning and career development at postgraduate or equivalent level



European Union Council

"The Council hopes that, with the help of the EU, ENEN and its members will continue to develop the coordination of nuclear education and training in Europe.

The Council welcomes the existence within the European Union of coordinated teaching and training leading to qualifications in the nuclear field, provided notably by the **ENEN**".

December 1-2, 2008





European Master Of Science in Nuclear Engineering (EMSNE)

- Since 2005
- 5 years university (360 ECTS)
- 60 ECTS nuclear
- 20 ECTS abroad
- → more than 200 laureates





ENEN Ph D Events

12 finalists, 3 prizes annually

- 1st at IYC on Energetics, in Budapest, 2007.
- 2nd at IYNC in Interlaken, Switzerland, 2008.
- 3rd at International Youth Conference on Energetics 2009 in Budapest, Hungary, 2009
- 4th PhD event, ENC 2010, Barcelona June 2nd,2010
- 5th PhD event, ICAPP 2011, Nice May 4th, 2011
- 6th PhD event, Inter. Conf. Nuclear Energy for New Europe in Ljubljana, 2012
- 7th PhD event, Int. Conf. on Emerging Nuclear Energy Syst. (ICENES), in Madrid, 2013.
- 8th PhD event, in IYNC 2014, in Burgos, Spain, 2014.
- 9th ENEN PhD Event & Prize took place in the framework of the International Congress on Advances in Nuclear Power Plants, ICAPP2015, in Nice, France, 5-6 May 2015
- 10th PhD event, European Nuclear Conference 2016, Warsaw, Poland, 9-13 October 2016
- 11th PhD Event, ANNETTE-PETRUS conference, Lisabon, Portugal, June 2017





Nuclear ETKM Communities within ENEN

Cooperating with ENEN

- Nuclear engineering (ENEN)
- Radiation protection (ENETRAP)

Approaching ENEN

- GIF
- FERA IDNIM (inint programing nuclear ttractivity or Co Geologica 🔥
- peration or Competition? Beyend El ing (how?) 'Irain
- Decommisioning (ELINDER)
- TSO (nuclear safety assessment, ENSTII)

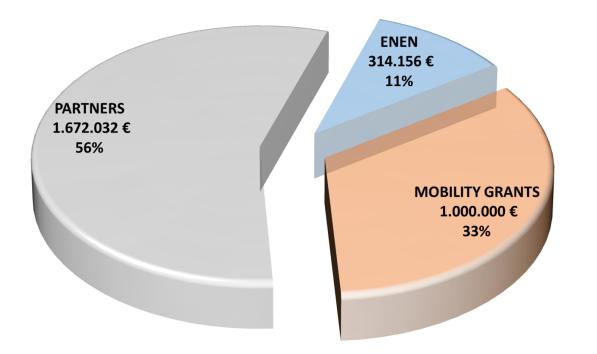


The ENEN+ project

- *Attract* new talents to careers in nuclear.
- **Develop** the attracted talents beyond academic curricula.
- Increase the *retention* of attracted talents in nuclear careers.
- *Involve* the nuclear stakeholders within EU and beyond.
- *Sustain* the revived interest for nuclear careers.

The ENEN+ focuses on the learners and careers in:

- Nuclear reactor engineering and safety,
- Waste management and geological disposal,
- Radiation protection and
- Medical applications.





Our Achievements

Established

- Exchange of information, best practices, teachers and students
- Voluntary accreditation in academic education (quality assurance)
- Coordination of projects of mutual interests

In development (ANNETTE, ENEN+)

- Facilitating communication and cooperation between nuclear stakeholders
- Facilitating access to research infrastructures/projects and internships
- Voluntary accreditation in professional training (quality assurance)
- Coordination of ETKM activities (Education, Training, Knowledge Management) among different NUCLEAR communities
- Financial support for the mobility of students and teachers

1 MEUR for mobility 2018-2020



Future ambitions

Participate in strategic discussions and decisions on nuclear ETKM in EU and beyond.

> ENEN AISBL in Brussels Starts in 2018 www.enen.eu





Human Resources for Low Carbon Economy

Vladimír Šucha

Director General Joint Research Center (JRC), European Commission



Fifteen years of successful cooperation between professionals and academia, as viewed by the European Nuclear Society

Alastair Laird

President European Nuclear Society (ENS)





The ENEN Association From FP5 to Horizon 2020

Joseph Safieh

past president European Nuclear Education Network (ENS)

No slides

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HONORARY AWARD

The European Nuclear Education Network, ENEN, awards.

Prof Dr Michel Gist

this honorary commendation for his untiring efforts and limitless enthusiasm in the establishing, launching and operations of the European Nuclear Education Network Association.

> 15th Anniversary of the ENEN Association Brussels, Belgium, 1 March 2018





HONORARY AWARD

The European Nuclear Education Network, ENEN, awards Institut National des Sciences et Techniques Nucléaires INSTN

this honorary commendation for the outstanding support in the launching and operation of the ENEN Association

> 15th Anniversary of the ENEN Association Brussels, Belgium, 1 March 2018

T. J. C. H. CH.

HOHOPAR/AWARD The European Nuclear Education Hetwork, ENEN, a wards StudiecentrumvoorKernenergies Centre d'Écude de l'énergie NucléaireSCK+CEN

this honorary commendation for the outstanding support in the launching and operation of the ENEN Association

> 15th Anniversary of the ENEN Association Brussels, Belgium, 1 March 2018

Frans Moons **Dominic Gentile** Petre Ghitescu Borut Mavko Marcel Miglierini Bruno Panella Rainer Salomaa Emilio Minguez Csaba Szükosd William D'haeseleer Jan Haščik Vladimír Slugeň Olivia Comsa Rakesh Chawla Helmuth Boeck Anselm Schäfer



Awards this honorary commendation to



in deep appreciation of untiring efforts and limitless enthusiasm in the establishing, launching and operations of the European Nuclear Education Network Association.

> Presented at the 15th Anniversary of the ENEN Association In Brussels, Belgium, on the 1st of March 2018.

Prof. Filip Tuomisto Vice president

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Prof. Leon Cizelj President



On the difficulty to address innovation in nuclear Fission

Hamid Aït Abderrahim

Chairman of the Governing Board SNETP





The importance of education and training for the future of the nuclear industry

Yves Desbazeille

Director General FORATOM





Training and skills management for creating value in nuclear industry

Michel Maschi

President

Nuclear Generation II and III Association (NUGENIA)





Education and training activities in the radiation protection area

Michèle Coeck

member of MELODI E&T Working Group and Board European Training and Education in Radiation Protection Foundation (EUTERP)



Skills and trends in operational Euratom safeguards — are we fit for the future?

Stephan Lechner

Director Euratom Safeguards DG Energy, European Commission



ENEN+ Mobility

Call for 1 MEUR mobility grants



http://plus.enen.eu ENEN+ PROJECT

— attract, retain and develop new nuclear talents beyond academic curricula —

OPENS ON 1 MARCH 2018 CALL FOR MOBILITY GRANTS WORK PLAN PARTNERS BACKGROUND ABOUT



THE ENEN+ EUROPEAN NUCLEAR MOBILITY FUND OPENS ON 1 MARCH 2018!

The ENEN+ project aims to substantially contribute to the revival of the interest of young generations in the careers in nuclear sector. This is to be achieved by pursuing the following main objectives:

- Attract new talents to careers in nuclear.
- Develop the attracted talents beyond academic curricula.
- Increase the retention of attracted talents in nuclear careers.
- Involve the nuclear stakeholders within EU and beyond.
- Sustain the revived interest for nuclear careers.

The Call for Mobility Grants opens on 1 March 2018!

ENEN PLUS CONSORTIUM



Innovation and education, a virtuous circle

Daniel Iracane

Deputy Director General and Chief Nuclear Officer OECD/NEA





Knowledge management and networking activities of IAEA

Wei Huang

Director of the Division of Planning, Information and Knowledge Management IAEA





Current status of Russian nuclear power development and cooperation with Europe: The issue of human resource development

Vladimir Artisyuk

Vice-Rector Rosatom Technical Academy (RosatomTech)



Generation-IV International Forum education and training initiatives

Konstatin Mikityuk

Co-Chair, Task Force on Education and Training GEN IV International Forum





Thank you very much for your attention!

www.enen.eu