



PROMOTING NUCLEAR ENERGY



ASOCIAȚIA ROMÂNĂ
“ENERGIA NUCLEARĂ”

Mihaela STIOPOL – President AREN
Livia CHITU – Vice-chair AREN-YG



About



ASOCIAȚIA ROMÂNĂ
“ENERGIA NUCLEARĂ”

The Romanian “Nuclear Energy” Association (AREN), founded in 1990, is a professional, non-governmental and non-profit organization, having about 250 individual members working in the nuclear field and 6 corporate members.

AREN's main goal is to **support** and **foster** nuclear power development and to **inform** and **educate** the **public** about the peaceful use of nuclear energy.

AREN is founder member of the Romanian Atomic Forum (ROMATOM)

At the international level, AREN is a member of **European Nuclear Society (ENS)** since 1991 and has cooperation agreement with similar organizations from the United States of America, Canada and Bulgaria. Since establishment, AREN had partnerships with France and Slovenia.

In 2000 is founded AREN-YG which is fully integrated in AREN. Its chairman is members of the AREN Board. Members of the Romanian YG are young professionals working in nuclear related field up to 35 years old.

AREN



AREN's objectives

Support the
development of
nuclear power in
Romania

Educate and
inform the public

Facilitate
experience and
know-how
exchange with
other national and
international
organizations

Promote nuclear
safety culture
and environment
protection

Support research
activities and
training programs





AREN's activities

Main activities and programs addressing all public categories:

- Since 1993, AREN organizes every two years the *International Symposium for Nuclear Energy (SIEN)*.

In 2015 – the 12th edition

- **Implication in the EURATOM Project “Implementing Public Participation Approaches in Radioactive Waste Disposal (IPPA)”** – with several meetings and public debates organized so far.
- Participation in the European Network for Education and Training in Radiation Protection (ENETRAP II). Support for a group of pupils to participate in an international competition
- Organizing different meetings, seminars, round tables with topics covering a large spectrum of themes related to nuclear energy status and prospects, safety and environment, promoting important nuclear projects etc. An example is the organization of « Science Nights » at a local tea house, with the participation of renowned specialists dedicated to the ELI-NP project (Extreme Light Infrastructure – Nuclear Physics).





AREN's activities in colaboration with AREN-YG

- The *Children Drawing and Essay writing competition* organized every year since 1995.
- Educational seminars for teachers, pupils and
- **Round tables** with political decision makers
- Organizing **information visits** for young people to the Romanian nuclear facilities: Pitesti platform or Cernavoda NPP site
- Elaboration of the **Nuclear Energy magazine**
- **Technical visits** to foreign nuclear power plants: Austria, Hungary, Bulgaria
- Website and social network – facebook
- Awarding of the **Ionel Purica Prize** for outstanding achievements in the development and promotion of nuclear field



SIEN 2015



International
Symposium
for Nuclear
Energy

The International Symposium on Nuclear Energy (SIEN) is a biennial scientific and technical meeting in Romania having already a long tradition.

SIEN 2015 will take place between October 19-21, 2015, at Ramada Parc Bucharest hotel. The previous editions in 2013 reunited over 200 participants.

SIEN is organized in cooperation with the Romanian Atomic Forum under the European Nuclear Society (ENS) umbrella. The objective of the symposium is to debate challenges and the future prospective of Nuclear Energy in the context of the last well known events in the world.

FIRST CALL

!!! May 15th, 2015: Abstract Submission

Please visit our web-site www.sien.ro





School and high school seminars

Program for young generation' s information on nuclear power

Addressing the schools in Bucharest, Cernavoda and Pitesti, we invited the pupils aged 13-18 and their teachers in physics, biology, chemistry to participate in a series of seminars under different topics:

The first phase of the campaign consisted of organizing debates under the title „Nuclear energy, the power of the future – between perception and reality”, with the participation of pupils, physics, biology, chemistry and practical science teachers from Bucharest's schools and high schools.

The debates were organized in 4 sessions: “Nuclear energy and the energy mix”, “Nuclear technology – Cernavoda NPP project”, “The role of nuclear power in the framework of sustainable development and the fight against climate change” and “Cernavoda nuclear power plant – facts”.

Other topics:

- Nuclear energy – part of the energy mix. The renaissance of nuclear energy. Arguments for and against”;
- “Nuclear technology. Cernavoda NPP project”;
- “The role of nuclear power in the context of sustainable development and the fight against climate change”;
- “Radiations and health”
- Atom, Radiation and Life. Energy sources



School and high school seminars

Program for young generation's information on nuclear power

- The Three Accidents: Three Miles Islands-Cernobyl-Fukushima
- October 2014 – a seminar dedicated to nuclear energy and energy mix

In 2011 the activity was developed under the general theme proposed at the ENS level:

WORLD YEAR of NUCLEAR SCIENCE and TECHNOLOGY

100 years after the discovery of nucleus by Ernest Rutherford
100 years of the Nobel Prize in chemistry awarded to Marie Curie
for discovering of radium and poloniului
140 years at the birth of Ernest Rutherford

The drawing contest theme: The Atom – Our Univers

School and high school seminars

Program for young generation' s information on nuclear power



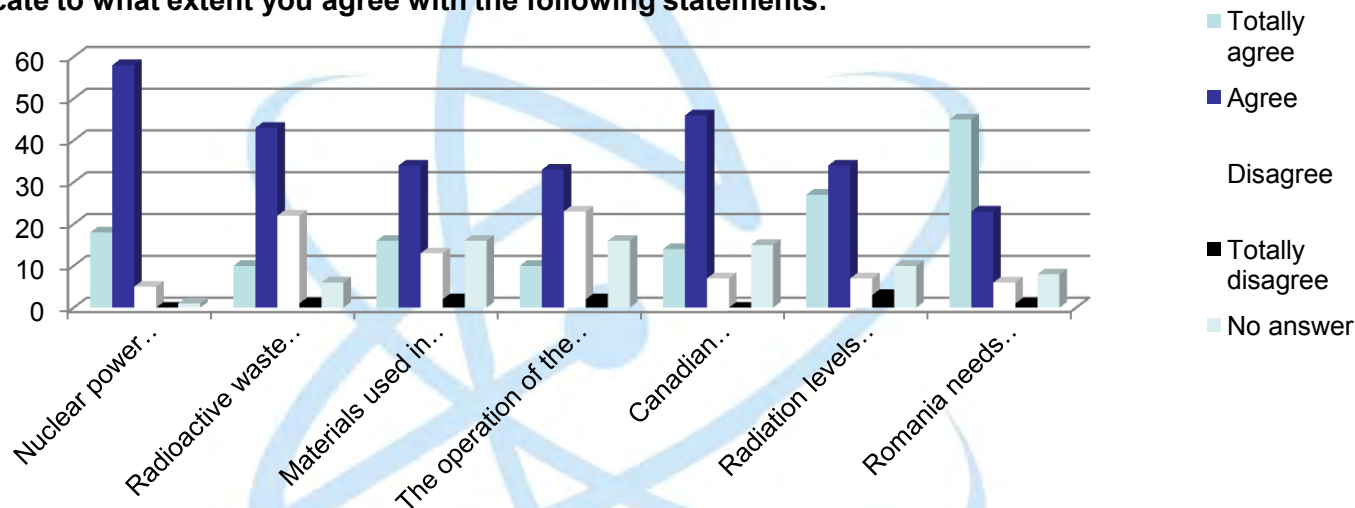
Few themes:

- Protecting people and the environment
- Radiation effects
- Radiological emergency response
- Radioactive waste management and Storage of radioactive waste
- Energy sources and their impact on the environment.
- Nuclear safety issues. Protecting the environment.
- Let's understand the radiations!
- How to protect yourself from radiation
- The three accidents: Three Miles Island-Chernobyl-Fukushima

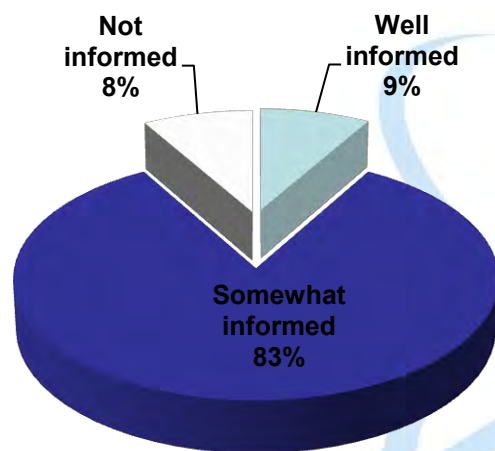


Young people perception about nuclear

Please indicate to what extent you agree with the following statements:

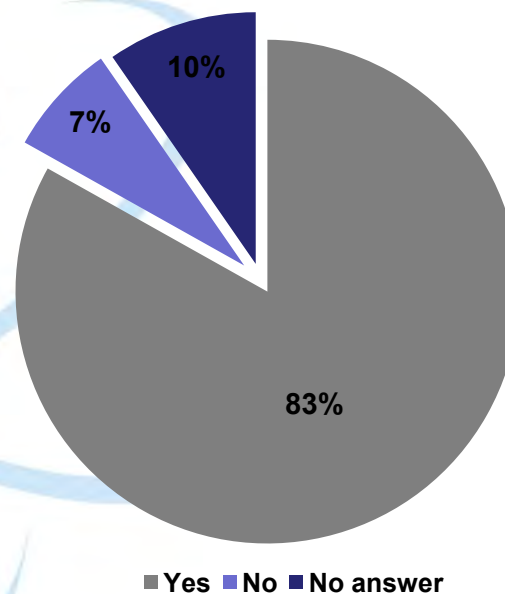


1. Nuclear power plants can be operated safely?
2. Radioactive waste can be stored safely?
3. Materials used in nuclear power plants are controlled and monitored so that it can not be used for nuclear?
4. The operation of the Cernavoda plant releases no pollutants into the atmosphere?
5. Canadian technology used at the plant at Cernavoda shows a high degree of safety?
6. Radiation levels around nuclear power is measured and is below the nationally approved?
7. Romania needs nuclear energy for industrial development?



How well informed do you think you are about nuclear energy?

In your opinion, school should provide more information about physics and nuclear energy production?





Organizing contests on various subjects related to nuclear power

AREN has developed a national contest of drawings and essays made by children. The best drawings and papers are awarded.

Over 250 drawings and 50 essays in 2014 and 24 prizes awarded to children.

Topics:

"The nuclear Energy saves the environment"

"What do we know about energy?"

"The atom – our friend"

"Nuclear power saves the environment"

"Next millennium energy"



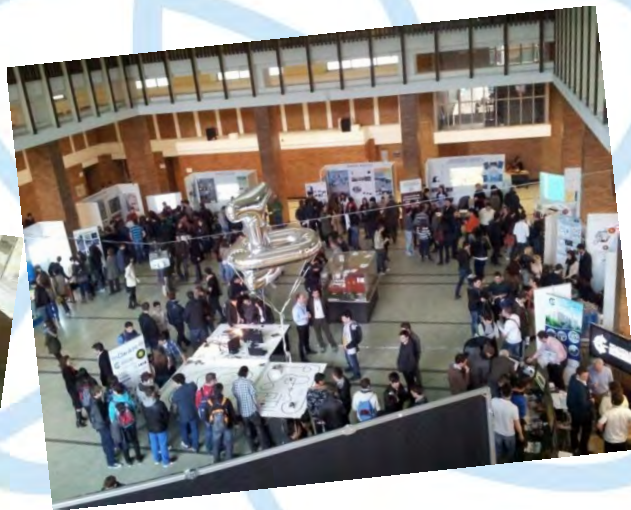


“Open Doors” Program at the Politehnica University of Bucharest

“Open Doors” is an annually event organized by “Politehnica” University of Bucharest, The main purpose of the program is to inform and attract high school students to choose nuclear field for their future activity.



2012



2013



2014

Meeting with the young members of the PNL political party, March 27th, 2012

The purpose of the meeting was to inform the young politicians about the social and economic benefits of nuclear power for Romania, so that they can make informed future decisions. We plan to have such meetings with all the political parties, young generation chapter.



YG workshop on Knowledge transfer organized at the Nuclear 2012 Conference, May 17th, 2012

Around 70 participants in a information and know-how exchange with the senior management of important Romanian companies: AMEC Romania, CITON, Nuclearelectrica, Institute for Nuclear Research Pitesti, the Politechnica University of Bucharest.





Technical visit and information exchange at Zwetendorf NPP in Austria and Paks NPP in Hungary

During April 27th – May 1st, a team of 27 YG members from Romanian nuclear companies visited Zwetendorf museum in Austria and Paks NPP in Hungary and had meetings with the local YG members.



Technical visit and experience exchange at Kozloduy NPP - Bulgaria

During December 1st 2014 a team of 20 YG members from Romanian nuclear companies visited Kozloduy NPP in Bulgaria and had meetings with the local YG members.



This educational website was developed by several members of AREN YG in co-operation with the Faculty of Physics.



e-nuclear.eu

Societatea Nationala Nuclearelectrica SA
URP - Facultatea de Energetica
Universitatea din Bucuresti - Facultatea de Fizica

HOME Despre SNN-SA Obiective Instruire Inscrisi Concurs Noutati Protectia mediului Contact

Instruire

I. Fizica nucleara si energetica

1. Nasterea si evolutia Universului
2. Fiziunea nucleara si fuziunea nucleara in energetica viitorului
3. Surse de energie

II. Tehnologii nucleare

1. Reactori de fisiune. Tehnologia CANDU
2. The Nuclear World for Children /Tehnologiile Nucleare pe Intelesul Copiilor
3. Filiera Nucleare. Fiziunea si Fuziunea
4. Mica Enciclopedie a Energiei Nucleare

III. Protectie radiologica

1. Traim cu radiatii
2. Protectie radiologica. Ghid pentru tinerii care doresc sa lucreze cu tehnologii nucleare
3. Norme de securitate radiologica (NSR01 elaborat de CNCAN)
4. Radiatiile si radioprotectia

IV. Protectia mediului

1. Surse de poluare
2. Cum sa facem planeta mai sigura si mai curata
3. Deseuri Radioactive

Bine ati venit pe site-ul "Prietenii Energiei Nucleare"



Societatea Nationala Nuclearelectrica si alti beneficiari ai tehnologiilor nucleare va invita sa participati la activitatile specifice ale site-ului nostru: documentare si informare in domeniile fizicii nucleare, tehnologiilor nucleare si protectiei radiologice; discutii pe aceleasi domenii; informatii privind necesarul de specialisti in industria nucleara romaneasca, etc.

Site-ul "Prietenii Energiei Nucleare" se incadreaza in viziunea noastra de realizare a unui dialog permanent, transparent si deschis cu populatia, direct si prin intermediul mass media, pentru cresterea gradului de incredere si acceptare privind energetica nucleara, in beneficiul dezvoltarii durabile a intregii societati.

Completati formularul de inregistrare pentru a accesa cursurile.
Verificati rubrica de noutati pentru a vedea daca sunt programate teste si examene.
Testati-va acum la: "The Nuclear World for children", "Tram cu radiatiile", "Fiziunea nucleara si fuziunea nucleara in energetica viitorului", "Raport de mediu 2003", "Norme de securitate radiologica". Nu este nici un examen programat.
Daca aveti un cont creat, dar nu aveti acces la un material, trimitemi un e-mail la: pen@cnea.ro cu subiectul [PEN] - acces la noi materiale

Autentificare

Login
Parola
☒ Student ☐ Profesor
[Recuperare parola](#)

Noutati (3)

- Anul 2008 -bilant pozitiv pentru SN Nuclearelectrica SA
- Unitates 2 de la CNE Cernavoda - 200 de zile de functionare neintrerupta
- Parafarea documentelor de asociere a investitorilor pentru realizarea Unitatilor 3 si 4 de la CNE Cernavoda

Link-uri utile

[NUCLEAR ELECTRIC](#)
[Nuclear World Science Club](#)
[Nuclear Science](#)
[L'energie Nucléaire](#)

.. mai multe in directorul-web domeniul nuclear >

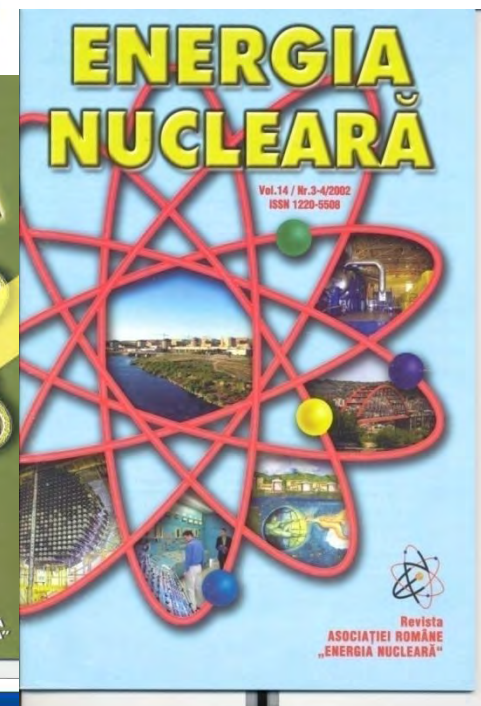
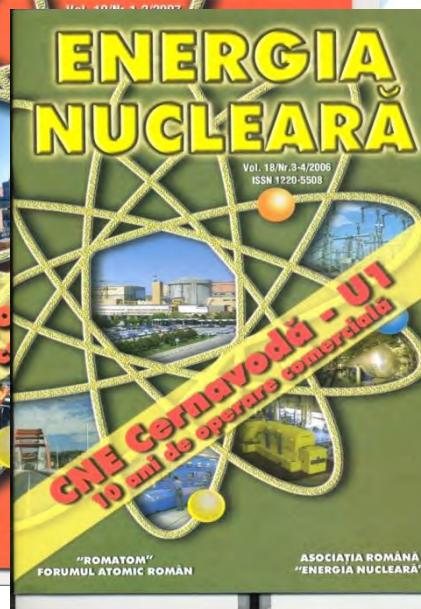
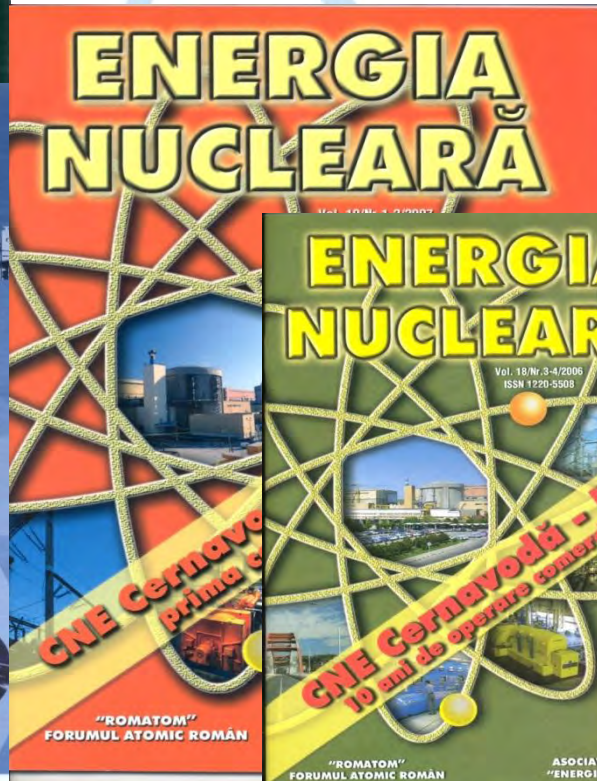
Succes si distractie placuta!



“Nuclear Energy” Magazine

Editing and writing articles for “Nuclear Energy” magazine,
ENS News Bulletin, FORATOM News Bulletin.

Two articles published by ENS in
ENS News No. 47 Winter (February
2015) regarding our projects



To develop a methodological support for the local communities aiming the reinforcement of the local voices in decision making process in radioactive waste disposal, increase their confidence in the participation benefits (outcomes) and create the frame for a sustainable participation all along the disposal process;

To enlarge the Romanian Stakeholder Group (RSG) formed and run in the frame of Cowam in Practice and to continue a democratic and equal participation dialogue among all the members of the group in order to consolidate the inclusive governance in waste disposal and prepare the premises for a sustainable participation in geologic disposal;

To develop and implement a methodology able to increase the awareness (responsive attitude) and sustainable participation of the general public and to help the decision process at local level on the radioactive waste disposal (applied to the Saligny community that should host on its land the LILW repository).

Future plans and fields in which AREN could benefit from support

- ➡ To continue all the previous success programs of AREN
- ➡ To attract new members and strengthen our position and visibility
- ➡ To enter new partnerships and attract European funds
- ➡ Restoration of the wing dedicated to nuclear energy of the Technical Museum “Dimitrie Leonida” Bucharest with modern and interactive equipment and displays

Status: Preliminary sketch already defined

Looking for funding

- ➡ To successfully organize SIEN 2015





Thank you !

**You are invited to join SIEN
2015!**