

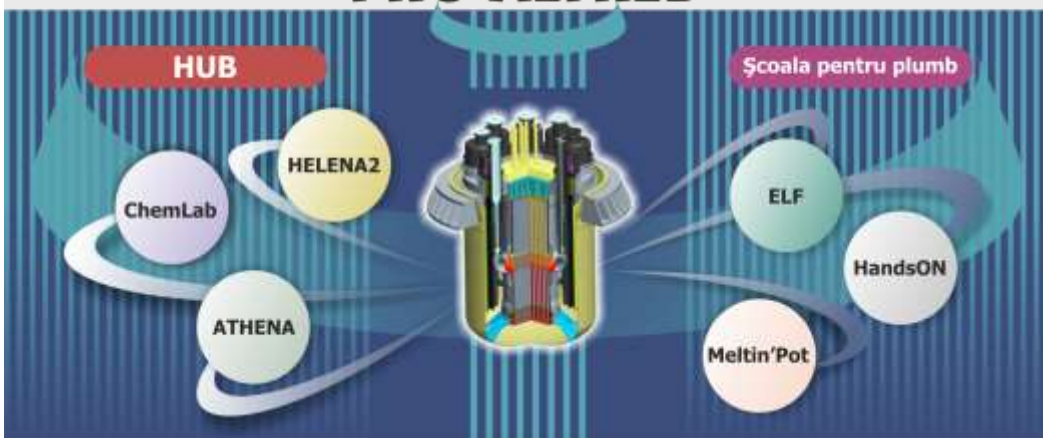
The Final Conference of the PRO ALFRED Project

ALFRED Research Infrastructure: Looking ahead

Hybrid Conference:
<http://zoom.us/j/2512512724>

Organized by the Institute for Nuclear Research in cooperation with the FALCON Consortium
in the frame of the PRO ALFRED project
financed by the Romanian Ministry of Education and Research

PRO ALFRED



October 22-23, 2020

Context

The construction of the ALFRED infrastructure in Romania is part of the national and European efforts for climate change mitigation and energy supply security through innovative solutions, and represents a national R&D priority included in the National Strategy for Research-Development-Innovation and in the Smart Specializations Strategy of the South Muntenia Region.

ALFRED is a complex infrastructure grouping the lead fast reactor demonstrator, six large experimental support facilities, the coordination hub and the "Lead School" training centre, all together devoted to the demonstration of the technical and economic viability of pure lead-cooled fast reactor technology.

PRO ALFRED and ATHENA&CHEMLAB Projects are currently supporting its implementation by activities dedicated to strengthen the Romanian contribution to ALFRED and respectively by the construction of two put the six large experimental installations in support to demonstrator licensing.

Objectives

The conference will present the major outcomes of the PRO ALFRED project and their contribution to the advancement of the ALFRED Project, as well as the perspectives in stimulating the national research-development-innovation potential and the Romanian industry involvement.

Topics

- European and national policies in nuclear energy and research;
- ALFRED infrastructure and associated research, education and training needs;
- Licensing of the ALFRED demonstrator;
- Long-term sustainability of the ALFRED Infrastructure;
- Benefits and opportunities for collaboration and participation in building ALFRED infrastructure.

Format

The event is organized as a 2-half day event combining the online participation with physical presence (at RATEN ICN headquarters, Conference Hall), in strict compliance with the rules for preventing the spread of COVID-19.

The conference It is structured in 4 topical sessions, in which oral presentations will be followed by open discussions mediated by a Chairperson. Presentations will be made available prior the conference on the PRO ALFRED project website prior the conference.

Audience

The conference is addressed to European and national decision makers, scientific communities, universities, industry and business environment, as well as to the public involved or interested in the energy field and advanced technologies development.

Representatives of the European Commission and international organizations in the nuclear field, representatives of national and local authorities and specialists from the FALCON consortium and the PRO ALFRED project will highlight the last developments in the conference topics.

Contact

Further information on this conference could be found at:
proalfred.nuclear.ro
or from
daniela.diaconu@nuclear.ro

Day 1, 22 October 2020, 9:30 – 11:30 (CET time)

Session 1 - ALFRED: a sound project with international scope

Chair: Sen. Prof. Dr. Eng. Șerban Valeca

Co-chair: Maria Roth

5 min	Welcome	Alexandru Toma - RATEN ICN, Romania
25 min	Key Notes	Mayor of Pitesti; Mayor of Mioveni; Representatives of MEC ; MEECMA ; MFE ; ADR
20 min	Nuclear energy and nuclear energy research in Europe	Roger Garbil - European Commission, DG RTD, Belgium
20 min	Priorities of the national strategy for research-development and innovation in Romania	Representative of Ministry of Education and Research, Romania
20 min	Opportunities and benefits of the ALFRED demonstrator	Michele Frignani - ANSALDO NUCLEARE, Italy
20 min	Key achievements through the PRO-ALFRED project	Daniela Diaconu - RATEN, Romania
10 min	Discussions	

Coffee break

Day 1, 22 October 2020, 11:45 – 13:30 (CET time)

Session 2 - ALFRED support infrastructure: research and education needs

Chair: Concetta Fazio

Co-chair: Dumitru Chirlesan

30 min	ALFRED RD&Q Infrastructure	Why? What? How?	Giacomo Grasso - ENEA, Italy Mariano Tarantino - ENEA, Italy Marin Constantin - RATEN ICN, Romania
30 min	RD&Q Programme on LFR and its implementation on ALFRED Infrastructure	RD&Q needs for LFR Romanian R&D Agenda for ALFRED Infrastructure	Francesco Lodi - ENEA, Italy Marco Caramello - ANSALDO NUCLEARE, Italy Daniela Gugiu - RATEN ICN, Romania
30 min	Ensuring the Human Resource for ALFRED Infrastructure	Needs, solutions and future actions towards competence building for ALFRED Infrastructure Tailoring the educational programme Challenges in the pandemic crisis	Minodora Apostol - RATEN ICN, Romania Gabriela Plaiasu - University of Pitesti, Romania ; Daniel Dupleac - University Politehnica Bucharest, Romania Francesca Papa – ENEA, Italy Ana Ivan - RATEN ICN, Romania
15 min	Discussions		

Day 2, 23 October 2020, 9:30 – 11:10 (CET time)

Session 3 - The vision to materialize ALFRED: global industrial opportunities

Chair: Teodor Chirica

Co-chair: Giovanni Villabruna

35 min	ALFRED in the European and International context	Updates on Gen IV LFR technologies development IAEA activities in LFR technology development	Alessandro Alemberti - ANSALDO NUCLEARE – Italy Vladimir Kriventsev - IAEA, Austria
45 min	Paving the way for ALFRED Licensing	Safety Approach Milestones in ALFRED licensing pathway Decommissioning	Giacomo Grasso - ENEA, Italy Mirela Nitoi - RATEN ICN, Romania Mitica Dragusin - IFIN HH, Romania
20 min	Discussions		ALFRED: a tool for an international standard development of an LFR licensing framework of global reference

Coffee break

Day 2, 23 October 2020, 11:30 – 13:00 (CET time)

Session 4 - The vision to materialize ALFRED: national socio-economic opportunities

Chair: Ilie Turcu

Co-chair: Marin Constantin

30 min	Sustainability and funding	LFR SMR technology in the Romanian energy mix Implementing ALFRED technology in the Romanian energy market Funding scheme	Cristina Margeanu - RATEN ICN, Romania Ionut Purica - Institute for Economic Prognosis, Romania
30 min	Opportunities for national and international collaboration	Interest of different national target groups	Teodor Chirica - ROMATOM, Romania
20 min	Discussions		
10 min	Closing remarks		