

FORESIGHT REFLECTION DAY

"THE FUTURE OF NUCLEAR ENERGY IN MOROCCO: CHALLENGES OF ITS INTEGRATION INTO THE NATIONAL ENERGY STRATEGY"

April 24–25, 2025, at the IRES Headquarters (Rabat, Kingdom of Morocco)

PROGRAM

Thursday, April 24, 2025	
9.00	WELCOME OF PARTICIPANTS
9.30	OPENING REMARKS <ul style="list-style-type: none"> Mr. Mohammed Tawfik MOULINE, Director General of the Royal Institute for Strategic Studies (IRES)
MODERATION OF THE DAY'S SESSIONS	
<ul style="list-style-type: none"> Mr. Chakib BOUALLOU, Research Professor, "Energy Efficiency of Systems" Center, Department of Energy and Processes, MINES Paris – PSL Research University Mr. Issam LOTFI, Chief Strategy Officer, Royal Institute for Strategic Studies 	
9.50	SESSION 1: OVERVIEW OF THE DEVELOPMENT OF THE NUCLEAR SECTOR WORLDWIDE, WITH A FOCUS ON TECHNOLOGICAL ADVANCES <ul style="list-style-type: none"> Ms. Aline DES CLOIZEAUX, Director of the "Nuclear Power" Division, International Atomic Energy Agency (IAEA). <i>"International Overview of Nuclear Energy"</i> (15 min) Mr. Frank CARRÉ, Advisor to the Director of Energy, Atomic Energy and Alternative Energies Commission, France (15 min) Ms. Khadija BENDAM, President of "Women in Nuclear (WiN) Morocco", First Vice President of the International Council of Nuclear Societies. <i>"Radiological and Nuclear Exercises: What Developments in Light of New Technologies and International Standards?"</i> (15 min) Mr. Khammar MRABIT, International Nuclear Expert, former Director of Nuclear Safety and Security at the International Atomic Energy Agency (15 min) Mr. Jacques PENNEROUX, Expert in Radiation Protection and Risk Management, Atomic Energy and Alternative Energies Commission, France. <i>"Safety and Risk Management in Nuclear Power Plants"</i>. (Video conference: 10h50 (UTC+1)) (15 min) Mr. Chirayu BATRA, International Expert in Advanced Reactors and Small Modular Reactors (SMRs). <i>"The State of Nuclear Energy Worldwide: Current Advancements, Challenges and Future Outlook"</i>. (Video conference 11h10 (UTC+1)) (15 min)
11.30	COFFEE BREAK
11.50	SESSION 2: STATE OF THE ART WORLDWIDE REGARDING THE INTEGRATION OF NUCLEAR ENERGY IN GREEN HYDROGEN PRODUCTION <ul style="list-style-type: none"> Mr. Josey JEREMIAH EMANUEL, President, Thorium Network. <i>"Coupling Nuclear Energy with Renewables: focus on synergies, particularly with green hydrogen production"</i>. (15 min) Mr. Laurent FABRE, Head of the "Business Development" Unit for the Africa Region, New Nuclear EDF " Complementarity of Nuclear and Renewables: The French Experience". (15 min) Mr. Angelo BEATI, Director of the Global Innovation and Special R&D Projects Unit, Newcleo. « <i>The Newcleo LFR: A GenIV SMR with Multiple Applications for Decarbonized Industrialization of a Country</i> ". (15 min)

12.40	LUNCH BREAK
14.40	<p>" Nuclear Energy – Green Hydrogen Coupling: Current status and IAEA activities in this field".</p> <ul style="list-style-type: none"> ● Ms. Molly-Kate GAVELLO, Nuclear Project Officer, IAEA (<i>Video conference</i>) (15 min)
15.00	<p>SESSION 3: STATE OF NUCLEAR ENERGY DEVELOPMENT IN MOROCCO</p> <ul style="list-style-type: none"> ● Mr. Said MOULINE, Director General of the Moroccan Agency for Nuclear and Radiological Safety and Security (15 min) ● Mr. Hamid MARAH, Director General of the National Center for Nuclear Energy, Sciences, and Techniques. " State of Nuclear Energy Development in Morocco". (15 min)
15.30	<p>SESSION 4: NUCLEAR ENERGY IN MOROCCO: POTENTIAL CONTRIBUTION TO THE ENERGY TRANSITION, GREEN HYDROGEN PRODUCTION, AND ECONOMIC DECARBONIZATION</p> <ul style="list-style-type: none"> ● Mr. Mohammed Tabet, Nuclear Power Project Manager, ONEE (15 min) ● Mr. Ahmed BOUZID, Director General of Energy and Mineral Production Development, Ministry of Energy Transition and Sustainable Development (15 min) ● Ms. Fatima HAMDOUCH, Executive Director, "Strategy and Management" Division, Moroccan Agency for Sustainable Energy (Masen) (15 min)
16.15	GENERAL DEBATE
17.00	CLOSING OF THE FIRST DAY'S SESSIONS
FRIDAY, APRIL 25, 2025	
9.00	WELCOME OF PARTICIPANTS
9.30	<p>SESSION 5: INTEGRATION OF NUCLEAR ENERGY IN THE DEVELOPMENT OF GREEN HYDROGEN IN MOROCCO: REGULATORY, TECHNOLOGICAL, AND ECONOMIC CHALLENGES</p> <ul style="list-style-type: none"> ● Mr. Reda NOUR, Secretary General, Moroccan Agency for Nuclear and Radiological Safety and Security (15 min) ● Prof. Rajaa CHERKAOUI EL MOURSALI, Nuclear Physics Specialist, Resident Member, Hassan II Academy of Sciences and Technology (15 min) ● Mr. Ayoub HIRT, Head of the "Green Chemistry and Bioenergy" Department, Research Institute for Solar Energy and New Energies (IRESEN) (15 min)
10.30	COFFEE BREAK
11.00	PANEL DISCUSSION: PROPOSALS FOR A ROADMAP FOR THE DEVELOPMENT OF A NUCLEAR SECTOR IN MOROCCO
12.00	LUNCH BREAK