

WNU Summer Institute 2022 - Programme outline

Duration: 19 June- 23 July 2022

Week 1&2 - **Valencia:** 19 June - 03 July 2022

Week 3 - **Technical Tour:** 4-10 July 2022

Week 4&5 - **Madrid:** 11 - 23 July 2022

Length of standard days: 09:00 - 18:00, lunch 13:00 - 14:00

Week 1: Setting the scene

Topics covered:

- **Co-creating an Engaged Thinking and Learning Environment** *Wendy Anyster (Consultant)*
- **Leadership** *Lisa Lande (IAEA)*
 - Fundamentals
 - Understanding leadership styles
 - Components of effective leadership
 - Leading change: self, team, organization
 - Integrating leadership into performance
- **Other applications for nuclear** *Valeriia Starovoitova (IAEA)*
- **Nuclear and energy in my country in Working Groups** *Fellows*
- **Nuclear, climate change mitigation and net zero** *Carlos Leipner (Clean Air Task Force)*
- **Energy markets, Energy demand predictions and integrated energy systems** *Aaron Epiney (INL)*
- **Technical fundamentals, gen IV and SMRS** *Akira Tokuhiko (Ontario Tech)*
 - SMRs – Seaborg Case *Federico Puente Espel (Seaborg)*
- **Ethical aspects of (nuclear) energy governance** *Gaston Meskens (SCK•CEN)*
- **Radiation Protection** *Abel Gonzalez (ARN) and Josip Zic (McMasters University)*
 - The importance of radiation protection
 - Radiation protection in practice

Social activities

Informal welcome reception *(Barcelo Rooftop Terrace)*

Cultural exchange *(North America)*

Formal welcome reception *(Veles e Vents)*

Optional independent activity - *Hogueras de San Juan at the beach*

Week 2: The international context, global regimes and sharing good practice

Topics covered:

- **Invited Leader presentation** *Ingemar Engkvist (WANO)*
- **Technical fundamentals continued** *Akira Tokuhiko (Ontario Tech)*
- **Presentation** *ITER and Fusion - Laban Coblentz (ITER)*
- **International legal and regulation regimes** *Lisa Thiele (CNSC) and Elina Teplinsky (Pillsbury Winthrop Shaw Pittman)*
- **CORDEL Introduction to your action learning challenge** *Allan Carson (WNA) and Ronan Tanguay (WNA)*
- **Introduction to the nuclear industry in the host country** *Hector Dominguis (GDES & SNE)*
- **Safety culture and the role of leadership in creating a robust safety culture** *Li Li (WANO) Sunny Mustafa (OPG) Phil Noble (WANO)*
- **Security, safeguards and non-proliferation** *Robert Rodger (NNI) and Pierre Legoux (WINS) and Pat Lynch (ORNL)*
- **Economics and financing for nuclear power** *Milton Caplan (MZConsulting) and Anne Falchi (EDF)*
- **New Nuclear Power Plants** *Frédéric Mazallon (EDF) and Sunny Mustafa (OPG)*
- **Overview of the Technical Tour week** *Emilio Minguez, (UPM and SNE)*
- **Interactive leadership discussion** *Kristine Svinicki interviewed by Sunny Mustafa (OPG)*

Social activities

Cultural exchange *Eastern Europe*

Week 3: Technical Tours

Monday: Vandellos I

Tuesday: Equipos Nucleares

Wednesday: Juzbado Mine

Thursday: Juzbado Fuel Fabrication Factory / Zorita NPP

Friday: El Cabril

Week 4: Operating your nuclear power plant

Topics covered:

- **The front end of the nuclear fuel cycle** *Cory Kos (Kazatomprom) and Bob van Namen*
- **Supply chain for existing fleet, new build and innovative developments** *Nathan Paterson, WNA*
- **Optimizing Plant performance: Asset management and capacity optimization** *Emma Wong (EPRI), Marlene Ramphal (OPG), Melissa Cole (APS), Gabor Petofi (IAEA), Prof Javier Diez (Spanish Regulator)*
- **Long-term operations** *Emma Wong (EPRI)*
- **Transport** *Kurtis Hinz*
- **Communications and advocacy** *Adrian Bull (Dalton Institute) and Veronica Garea (INVAP)*

Social activities

Cameco sponsored social reception (Melia Madrid Serrano rooftop terrace)

Cultural exchange MENA, South and Central Africa

Week 5: Innovative Leadership Project

Topics covered:

- **Decommissioning** *James Hylko (Hylko Nuclear, LLC) Emilio Garcia Neri (ENRESA) and Henri Zaccai (Consultant)*
- **Inclusive leadership and the benefits of diversity** *Tamer Albishawi, HPC*
- **Innovative Leadership Project preparation (Fellows)**
- **Tecnomat Technical Tour**
- **Used Fuel and Waste management** *Henri Zaccai (Consultant), Emilio Garcia Neri (ENRESA) and James Hylko (Hylko Nuclear, LLC)*
- **Workforce challenges and solutions (WIN Spain)**
- **Getting involved in national and international organizations** *Wolfgang Denk*
- **Transitioning learnings back to your work, recap and reinforce** *Lisa Lande, IAEA*
- **Invited leader presentation and discussion** *President Rumina Velshi*
- **Senior Leaders interviews:** Moderator: *Lisa Lande (IAEA)* Leaders: *Sama Bilbao y León, (President, WNU), Bohdan Zronek (CEZ), Margie Doane (DDG, IAEA)*
- **Feedback from the Senior Leadership Panel**

Social activities

Cultural exchange - Western Europe

Special activity - Young Generation (Host Country)

Special social event (Casa de la Panaderia)

Graduation Ceremony and dinner (Casino de Madrid)