

## SUNDAY 21

17:00–20:00 Registration

20:00–21:30 Welcome reception

## MONDAY 22

8:30–9:00 Welcoming Speech + IFMIF–DONES in–depth Overview and objectives of the course  
Moisés Weber

9:00–10:00 Overview of DONES Programme  
Ángel Ibarra

10:00–11:00 Keynote: Getting to a Fusion Pilot Plant – The Challenge  
Steven Cowley

11:00–11:30 Coffee Break

11:30–12:30 Applicability of EU law to large–scale scientific projects: The case of Fusion for Energy and DONES project  
Radoslav Hanak

12:30–14:00 International treaties, collaboration agreements in international projects and their implementation (ITER and BA)  
Szymon Wesolowski

14:00–15:00 Lunch

15:00–16:00 EU Framework for Fusion Energy Research  
Susana Clement–Lorenzo

16:00–17:00 Overview of Safety Engineering in IFMIF–DONES  
Claudio Torregrosa

17:00–17:30 Coffee Break

17:30–18:30 Roundtable. IFMIF–DONES in the Fusion Roadmap  
John Womersley, Steven Cowley, Susana Clement–Lorenzo, Ángel Ibarra

19:30–20:30 Outreach activity: “Energía de fusión: por qué, cómo y cuándo”  
Juan Ramón Knaster (F4E)  
Carmen de la Victoria

# SCHEDULE

April 21<sup>st</sup> – April 26<sup>th</sup>, 2024  
Granada, Spain

2<sup>nd</sup> DONES  
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## TUESDAY 23

8:30–10:00 Fundamentals of EU PP Law – General Principles, Concepts and Procedures, Social and Environmental considerations  
Stefano Galvan

10:00–10:30 Coffee Break

10:30–11:30 Procurement Process in Big Science Projects – Planning, Submission of tenders, Evaluation criteria and awarding contracts  
Pilar Rosado

11:30–12:30 IFMIF–DONES: A unique neutron source with outstanding experimental capabilities  
Santiago Becerril

12:30–13:30 The DONES Complementary Experiments and the Users Community  
Marek Lewitowicz

13:30–14:30 Lunch

14:30–15:15 EU Grants and their implementation  
Pilar Rosado

15:15–16:30 Roundtable  
Radoslav Hanak, Pilar Rosado, Szymon Wesolowski, Stefano Galvan, María José Huertas

16:30–17:00 Coffee Break

17:00–18:30 Industry Support to the Big Science  
Nuria Rodriguez – Izertis  
Rubén Moreno – ENSA  
Jose Miguel Carmona – AVS

18:30–20:00 Big Science Industry Session  
Belén Fernández

## WEDNESDAY 24

8:30–9:30 International cooperation: The landscape of Fusion Big Science Facilities in Europe  
Rolf Heuer

9:30–11:00 High Intensity Linear RF accelerators  
Maurizio Vretenar

11:00–11:30 Coffee Break

11:30–12:30 Introduction to beam dynamics with application and challenges of the DONES accelerator  
Nicolas Chauvin

12:30–13:30 The IFMIF–DONES Accelerator  
Ivan Podadera

13:30–14:30 Lunch

14:30–15:30 Roundtable. IFMIF–DONES. A challenging accelerator at a key facility  
Rolf Heuer, Maurizio Vretenar, Nicolas Chauvin, Marek Lewitowicz, Iván Podadera, Juan Knaster

15:30–16:30 Fundamentals of Nuclear Law – General Principles and Concepts (1)  
Wolfram Tonhauser

16:30–17:00 Coffee Break

17:00–18:00 Fundamentals of Nuclear Law – General Principles and Concepts (2)  
Wolfram Tonhauser

18:30–20:00 Guided visit around Granada

LEGEND

IFMIF–DONES in depth
Legal aspects in Big Science
From ITER to DEMO
Social
Outreach

## THURSDAY 25

9:00-10:00	<b>Fundamentals of Contract Law</b> Stefano Galvan	9:00-10:00	<b>Intro to fusion power plants and top level requirements</b> Stuart Muldrew
10:00-11:00	<b>Construction Contracts</b> Natalia A. Ciaglewicz-Stepien	10:00-11:00	<b>Issues of scale and moving from ITER → DEMO/Pilot plant</b> Stuart Muldrew
11:00-11:30	Coffee Break	11:00-11:30	Coffee Break
11:30-13:00	<b>Getting the Contract Right: Contract Drafting and Negotiation with suppliers, partners, and international stakeholders</b> Gregoire Gathem	11:30-12:00	<b>Fusion economics, fusion supply chain and fusion's place in the energy market</b> Stuart Muldrew
13:00-14:00	<b>Type of contracts in large-scientific projects (fixed-price contracts, cost-reimbursable contracts, time-and-materials contracts, and their variants)</b> Stefano Galvan	12:00-13:30	<b>First wall and blanket</b> Chris Harrington
14:00-15:00	Lunch	13:30-14:30	Lunch
15:00-16:00	<b>Legal considerations in handling and protecting sensitive data</b> Silvia Bernal	14:30-16:00	<b>Heat transport and balance of plant (including grid infrastructure)</b> Chris Harrington
16:00-16:30	Coffee Break		
18:00-20:00	<b>Outreach activity: "Un Universo muy energético"</b> Antxon Alberdi (IAA-CSIC). Carmen de la Victoria		
20:30-23:00	<b>Conference dinner. Palacio de los Córdoba</b>		

## FRIDAY 26

9:00-10:00	<b>IFMIF-DONES genealogy: Historical background of IFMIF-DONES</b> Juan Ramón Knaster
10:00-11:00	<b>The role of IFMIF-DONES in the fusion material challenge</b> Rafael Vila
11:00-11:30	Coffee Break
11:30-12:30	<b>Lithium Systems</b> Jorge Maestre
12:30-13:30	<b>Characteristics and challenges of a Big Science facility: learned Lessons of the ESS</b> John Womersley
13:30-14:30	Lunch
14:30-15:30	<b>Intellectual Property in collaborative environments such as Big Science Projects</b> Carmen Casteras
15:30-16:30	<b>Technology transfer: An opportunity created within the frame of Big Science Projects</b> Carmen Casteras
16:30-17:00	Closing session

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