

**ITER Industry Day  
Brussels  
4 December 2017**

**ITER – the way to clean energy from fusion: future technology, today's jobs**

**Event Programme**

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*Berlaymont Building - Schuman Room*

*Rue de la Loi*

*1040 Brussels*

# 1. General information

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## Introduction

The European Commission convenes a one-day business conference to showcase, discuss and reinforce the benefits of European participation in the ITER project. This project, bringing fusion energy closer to realization, already offers important opportunities and results for the European economy and industries. **The Directorate-General for Energy of the European Commission invites European businesses, policy-makers, scientists, civic society and media to take an active part in this event.**

The key aims of the conference are:

- to demonstrate that ITER is not only promising clean abundant energy for the future but also already at present offers important opportunities for European industry
- to highlight the synergies and cross-cutting effects that participation in ITER brings to European industry, research communities as well as ordinary citizens.

## ITER in a nutshell – a unique project with multiple economic benefits

Launched in 2006 by seven global partners (EU, China, India, Japan, South Korea, Russia and the USA), ITER is a pioneering project to build a unique experimental facility for testing fusion as a potential commercially exploitable, sustainable energy source. ITER is under construction in the South of France, on a 180-hectare site, with over 10 million components being built in factories around the world. Around 75 % of the investment in ITER construction is spent on components and activities that result in the creation of new knowledge and cutting-edge technology, offering European high-tech industries and SMEs an excellent opportunity for innovation and the development of “spin off” products for exploitation outside fusion (such as the energy or the aviation sectors).

The construction of the project has significantly accelerated after major changes in its management in 2015 and has by now crossed a half-point in physical completion. While the agreements for nearly 90% of all deliveries have been concluded between the ITER project management and ITER members, contracting and manufacturing in ITER Members is in full swing, offering business opportunities for industry as research community. The first operation of the ITER machine ("First Plasma") is planned for December 2025.

ITER will not only demonstrate the scientific feasibility of fusion but also resolve many technical issues and thereby take fusion to the point where industrial applications can be envisaged. **By producing 500 MW of power from an input of 50 MW—a “gain factor” of 10—ITER will be the stepping stone for future demonstration of the feasibility of commercial fusion power plants.**

## A few words on the conference

The major features of this event are:

- **Participation:** over 100 policy-makers including Members of the European Parliament, representatives of EU Member States as well as industry CEOs and senior executives from Europe and other ITER Members
- **General information on ITER:** a general information stand on ITER is in the exhibition area outside the meeting room
- **Exhibition:** stands in front of the meeting room present fusion and energy-related research and activities developed by enterprises involved in ITER
- **Press/Media:** journalists accredited with the Commission and thus having access to Berlaymont may be present at the event

## 2. Programme

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4 December morning	
8:30	Welcome coffee and free exhibition viewing
9:30	<p><b>Opening session</b></p> <p><b>Moderator:</b> Dominique Ristori, DG ENER, European Commission</p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• Miguel Arias Cañete, European Commissioner in charge of Climate Action and Energy</li> <li>• Frederique Vidal, Minister for Higher Education, Research and Innovation, France</li> <li>• Bernard Bigot, Director-General, ITER Organization</li> </ul>
10:30	<p><b>ITER as a source of direct benefits for the economy and society at large</b></p> <p>This round table will look at the present impact of ITER activities for European technology and business development opportunities in all sectors (including the lower skill job market and students) in terms of job creation, contracts, benefits and synergies, etc.</p> <p><b>Moderator:</b> Johannes Schwemmer, Director, Fusion for Energy</p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• Antti Ilmari Peltomäki, DDG GROW, European Commission</li> <li>• Jerome Pamela, Chair, Eurofusion</li> <li>• Giuseppe Taddia, General Manager, OCEM Power Electronics</li> <li>• Paolo Fedeli, CEO, Belleli Energy</li> <li>• Franz Leher, Business Head, MAN</li> <li>• Rafael Trivino, General Manager, ENSA</li> </ul>
12:00	Lunch break (buffet lunch offered in foyer)
4 December afternoon	
13.30	<p><b>Start of afternoon session</b></p> <p><b>Video message by Commissioner for Budget and Human Resources Guenther H. Oettinger</b></p>
13:40	<p><b>Cross-cutting effects and indirect benefits from a high technology project</b></p> <p>This round table will present spin-offs, spill-overs, start-ups and applications of the results of ITER-related contracts in other technological/industrial areas and will highlight their effects for the European industry, economy and society (general public or specific groups).</p> <p><b>Moderator:</b> Daniel Verwaerde, High Representative of France for ITER</p> <p><b>Keynote speaker:</b> Dimitar Tonev, Director, Institute for Nuclear Research and Energy, Bulgarian Academy of Sciences</p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• Ines Ayala-Sender, Member of the European Parliament</li> <li>• Martina Dlabajova, Member of the European Parliament</li> <li>• Joaquin Sanchez, Chairman, F4E Governing Board</li> <li>• Falko Busse, Executive Vice President, Biospin</li> <li>• Jens Verbeeck, CEO, MAGICS Instruments</li> <li>• Sergio Frattini, CEO, ASG Superconductors</li> <li>• Michael Peiniger, Managing Director, Research Instruments</li> </ul>
15:10	Coffee

15:30	<p><b>ITER as an international technology cooperation with unique business opportunities</b></p> <p>This round table will address the international/global dimension which is a built-in key characteristic of the ITER project. The discussion will highlight the crucial role of international collaboration for the success of ITER and will showcase the benefits for the European industry from ITER's international dimension in terms of new opportunities, partnerships, technology development and innovation.</p> <p><b>Moderator:</b> Gerassimos Thomas, DDG ENER, European Commission</p> <p><b>Keynote videomessages:</b>  Yoichi Ito, Deputy Minister, MEXT Japan; Head of Japanese Delegation to ITER Council  Luo Delong, Head of ITER China</p> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• Marian-Jean Marinescu, Member of the European Parliament</li> <li>• Miroslav Poche, Member of the European Parliament</li> <li>• Jeffrey Quintenz, Senior Vice President, General Atomics</li> <li>• Cheul Ho Park, Executive Senior Vice President and COO, Hyundai Heavy Industries</li> <li>• Mukesh Ahlavadi, Chief Representative for Europe and CIS, Larsen and Toubro India</li> <li>• Hubert Labourdette, Vice President for Strategic Operations, Assystem</li> <li>• Masahiko Inoue, Director of Fusion Engineering, Mitsubishi Heavy Industries, Japan</li> </ul>
17:00	<p><b>Closing remarks:</b>  Dominique Ristori, DG ENER, European Commission</p>
17:30	<p><b>Closing cocktail</b></p>