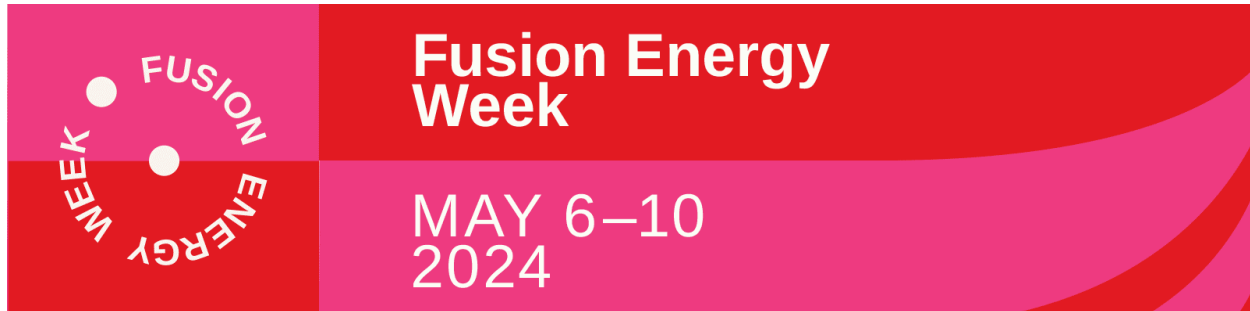


FUSIONMATTERS

CANADA

**Fusion Energy Week**

The U.S. Fusion Energy <https://usfusionenergy.org/> is hosting a grassroots celebration of fusion energy bringing together "scientists, technology developers, fusion enthusiasts and the general public to celebrate our progress and our future as we race to harness the power of the sun."

Fusion Week is held annually in honour of [Dr. Cecilia Payne-Gaposchkin](#) whose birthday falls on 10 May. Dr. Payne-Gaposchkin discovered in 1925 that stars, like our Sun, are mostly made of hydrogen and helium. Ever since, we've chased fusion as an opportunity to create abundant energy here on Earth.

There will be a variety of virtual events including a virtual tour of the General Atomics DIII-D National Fusion Facility on Wednesday, May 8th at 10 AM PDT, and Thursday, May 9th at 4 PM PDT. [Register here](#). As well the APS-DPP Graduate School & Careers Day is an opportunity to learn about US graduate programs in plasma physics and the fusion sciences as well as about careers in private industry and national labs on Saturday, April 27, 2024, 12-6 pm EDT. A webinar exploring the exciting intersection of fusion and artificial intelligence! On Thursday May 9 at 10-11 am MDT by DigiLab. [Register here](#)

A variety of in-person events and tours are available around the world. [See here for more details](#). If you are hosting a fusion event during or after Fusion Week you can [submit it here](#).

"If you want to fast go alone, if you want to go far go together" African proverb.

In March of this year China announced that it will [open ten nuclear technology research facilities to the world to enhance international cooperation](#). This comes on the heels of U.S. Special Envoy John Kerry inviting the world to accelerate the commercialization of fusion energy by collaborating and sharing technologies at [COP28](#) in December 2023. As well as memorandums by U.S. and UK, Canada and UK and early discussions between Canada and U.S. On April 10 the U.S. and Japan [announced](#) a joint partnership to accelerate development and commercialization of nuclear fusion.

This trend supports **FusionMatters** Canada's belief that the fusion energy challenge is too complex for any single company or country to solve alone. Our mission is to grow and mature the fusion ecosystem in Canada with links to similar knowledge ecosystems around the world by forging cross functional connections as we find them. As hockey great, Mark Messier, put it this way in his recent book "**no one wins alone**".

Fusion: Why do we need it?

On 4 April 2024 the FECC Students and Young Researchers initiative held their first lunchtime webinar. Hosted by **Pooja Woosaree** from the University of Calgary. The webinar featured 3 prominent speakers: **Andrew Holland**, CEO Fusion Industry Association, **Andrew Leach**, University of Alberta Professor and **Amee Barber**, Director of Government Relations with GeoComply.

More than 100 people registered and 50 plus signed in to the event. The FECC is working on making recordings of each speaker available along with their slide deck.

The next webinar titled **Fusion: still science fiction?** is scheduled for the first week of June 2024. Watch this space for further details.

Mapping the future of the fusion industry

More than 300 delegates attended the [Fusion Industry Association \(FIA\) Annual Policy Conference](#) held in Washington, D.C. on the 20th and 21st of March 2024 to lay out a vision for the future of the private sector fusion companies. **Cyd Cowley** from [Fusion Energy Insights \(FEI\)](#) offered three insights on his blog:

1. The public sector has an essential role to play in fusion development.
2. Collaboration is vital within the private fusion sector.
3. Policies to enable the growing fusion industry are good but could be better.

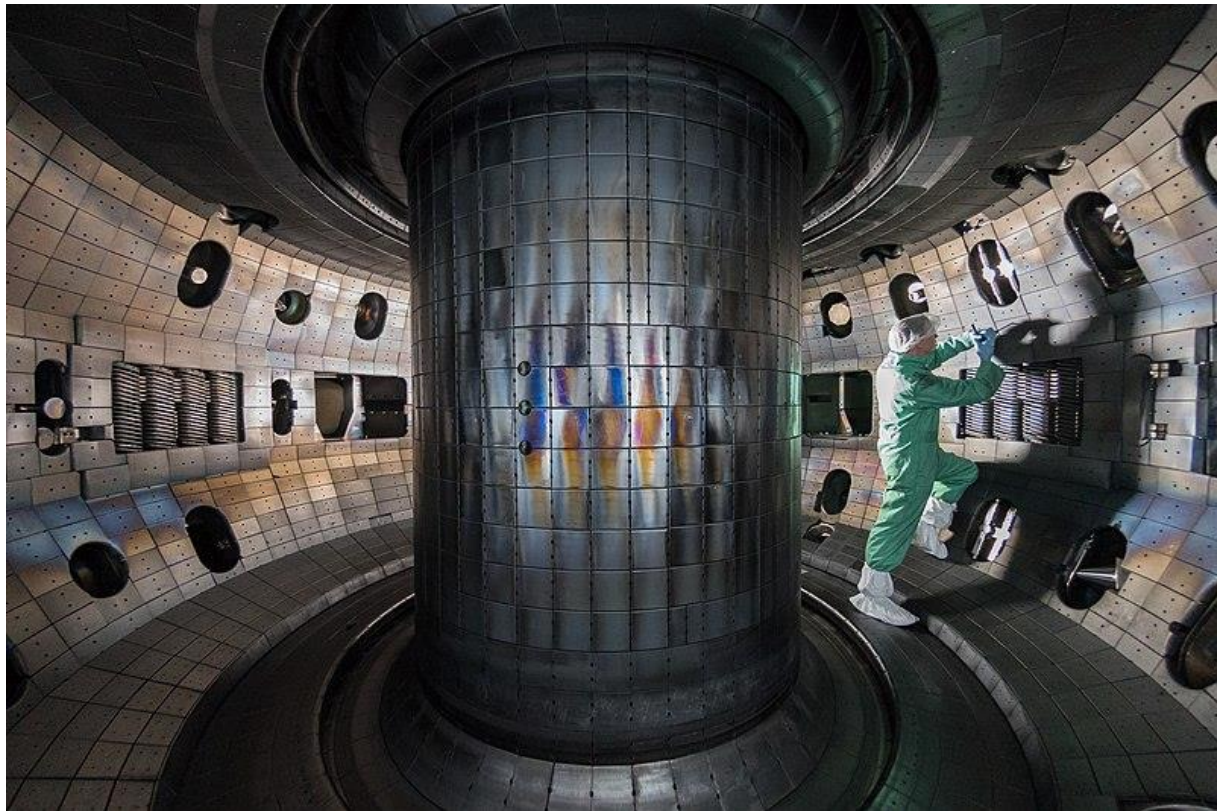


Photo credit [Wikimedia Commons](#) see [Interesting Engineering](#) for a photo essay by **Rizwan Choudhury** featuring [A global tour of cutting-edge Tokamak reactors](#)

German research ministry aims to make nuclear fusion plant a reality “as fast as possible”.

According to [Clean Energy Wire](#) German Minister Bettina Stark-Watzinger announced a new support program for nuclear fusion research to lay the groundwork for building the country's first functioning fusion reactor for energy generation by 2040. The Ministry plans to create a “fusion ecosystem” linking industrial companies with researchers and start-ups in Germany. “The worldwide race is on. I want Germany to be one of the first countries to build a [fusion] power plant” added Stark-Watzinger. The ministry did not specify a funding amount but last year [pledged to invest about 1 billion euros in the technology](#).

One of the initial initiatives is the announcement of 18 million euro funding over three years for PriFusio Foundation for laser fusion research, a consortium led by the Fraunhofer ILT Aachen to explore and develop practical photonic approaches for laser driven IFE, as reported by [optics.org](#).

Tritium 2025



Learn more at www.trituim2025.com. This international conference will address all aspects of tritium but, given tritium's importance as a fuel for most fusion plants, the connection between tritium and fusion will receive strong attention. As part of the conference, the Fusion Energy Council of Canada is also organizing introductory sessions on tritium fundamentals and tritium in fusion energy production.

If you like what you see in **FusionMatters** Canada, please let us know. Feel free to forward **FusionMatters** Canada to your colleagues or anyone else who needs to know more about fusion; encourage them to subscribe [here](#) or please share your suggestions for changes.

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