



UK Atomic
Energy
Authority

PhD Open Day

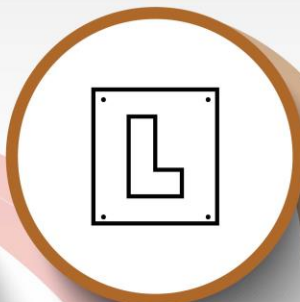
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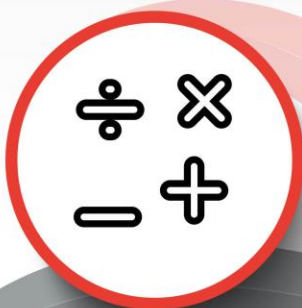


Mind map

Apprentices



Early years



Undergraduates → Graduates



Diversity in STEM



Postgraduates → PhD



Transfer experienced professionals



Post-doctoral + International fellowships



Vision:

- ▶ Build a fusion skills ecosystem - with international reach - to train and grow the fusion generation who will deliver fusion energy.

Goals:

- ▶ Through partnership between the public sector, private sector, academia, and other training providers, increase the quality and quantity of the talent pool available to the UK fusion sector, aiming to create 2,200 new roles within 5 years.
- ▶ Diversify and broaden access to the fusion sector by breaking down barriers to entry, with a target of 25% proportion of entrants into the fusion sector from under-represented groups, by 2032.
- ▶ Increase awareness of the opportunities in the fusion sector within the educational system and amongst the future fusion generation, seeking a 30% increase in fusion modules in Undergraduate courses offered and a 50% increase in fusion career awareness and enquiries by 2032.
- ▶ Develop an ecosystem of learners, training providers, professional bodies, supply chain for fusion, that harnesses the network to deliver efficiencies and opportunities. Aiming for an umbrella organisation to provide strategic leadership and cohere the community by 2025.
- ▶ To build a national fusion skills hub to become the focal point to a world-leading national capability to develop the fusion generation.

Why & When

- ▶ The UK's revised Fusion Strategy articulates the necessary steps for the UK to remain a world leader in fusion energy development.
- ▶ To create a thriving fusion sector that provides commercial energy to the grid, the UK will need to start expanding its highly skilled, multi-disciplined, diverse fusion workforce now.
- ▶ Investment in a skills sector-wide ecosystem, through new and targeted investment from government via the Fusion Skills Programme, is the means by which we will ramp up the size of the workforce to meet this challenge.
- ▶ This is a 6-year programme until March 2030 of c£56M.

#FusionGeneration



Towards Fusion Energy 2023:
The next stage of the
UK's fusion energy strategy



October 2023

What:



PhDs

Expand PhD provision by additional 25 – 35 p/ a, as well as increase the number of university departments involved in PhD provision, in partnership with Universities and industry, with the expectation of match-funding.

What:



DIVERSITY IN STEM

Coordination of STEM Ambassadors, communicators, and advocates across the fusion sector to cohere messaging to prospective jobseekers and students. Seek ways in which to encourage wider geographical involvement in Fusion. Explore other avenues of increasing diversity from under-represented groups and adults from low-income backgrounds. Seek best practice from other sectors. Ideas welcomed...

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How

- ▶ In partnership with and through the wider Fusion sector.
- ▶ Through means of a joint and inclusive sector strategy forum/ Programme Board.
- ▶ Diversity and social mobility at its core.
- ▶ Seeking to be self-sustaining beyond life of programme.

What now

Open to suggestions....

What we need from you:

- ▶ Input and engagement.
- ▶ Who else needs to be in this conversation who is not?
- ▶ Ideas, with a degree of commitment – time, resource, £s.

CONTACT US

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