

IAEA Technical Meeting on Developing the Fusion Workforce

Monday 27 April 2026 - Thursday 30 April 2026

IAEA Headquarters, Vienna, Austria

Scientific Programme

National Roadmaps

Needs of the international fusion industry (timelines, now and in 5, 10, 20 years)
Overview of National roadmaps (with regards to workforce development)
Public-private partnerships for workforce development (for example part-funded PhD students)
Recommendations to public sector for development

Organisational Roadmaps

Overview of organisational roadmaps with projections for staff required.
Jobs and skills taxonomies
Engagement with policy makers, what made the development plan successful
Methodology and lessons learned for other organisations/member states to follow
Recruitment and retention strategies
Identified gaps
Inclusion of all people, particularly covering key protected characteristics

Education and Training

Outreach (engagement with primary and high schools, student outreach)
Vocational and Operator training (e.g. technicians, welders, operators)
University programmes (bachelors, Master's, PhD programs, summer internships)
Fusion Schools (students, non-fusion industry experts)
Re-training specialists from other industries
Broader skills (e.g. policy, regulation, social sciences)

Knowledge Management

Capturing knowledge: Construction, operations, maintenance and decommissioning
Building communities of practice

Adjacent sectors and industries

Lessons learnt from workforce development and knowledge management, including methodologies followed, areas of improvement and metrics of success
Development of a funding plan and gaining governmental/organisational support
Competition among industries in recruitment and retention of staff
Synergies of skills between adjacent sectors and areas for joint development