

The Fusion Skills Pipeline: Academic, Industrial and International Context

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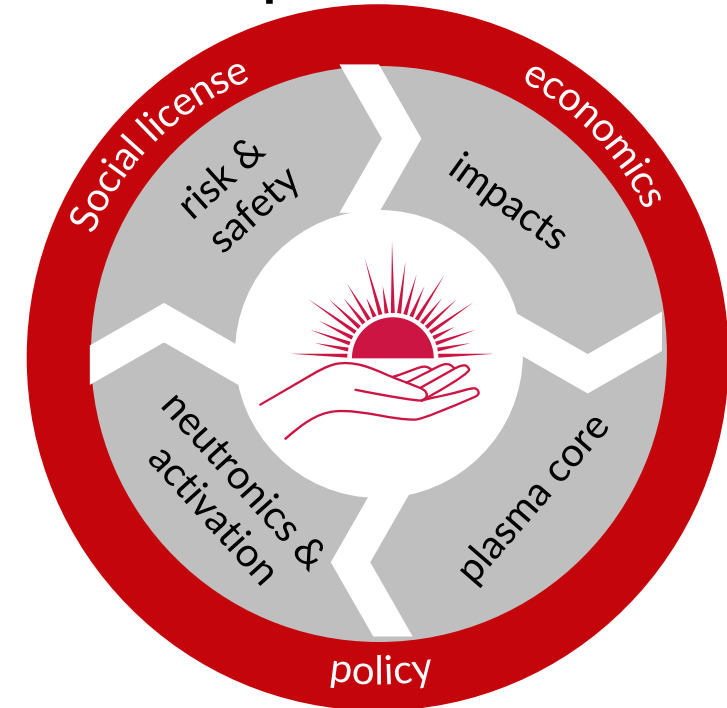
Breaking silos: Fusion energy research spanning plasma core to society

Pegasus-III Experiment



- University of Wisconsin-Madison based spherical tokamak, $r = 0.5$ m, funded by U.S. Dept. of Energy
- Focused on developing solenoid-free plasma initiation techniques to reduce cost, complexity of commercial fusion energy devices
- Research team of 20+ people, including students and faculty
- Bringing together plasma science & fusion engineering

Fusion Impacts Collaborative



- Interdisciplinary team of 20+ at University of Wisconsin-Madison funded by the Wisconsin Alumni Research Foundation
- Developing tools to provide early assessment of impacts of design choices

UNIVERSITY FUSION ASSOCIATION

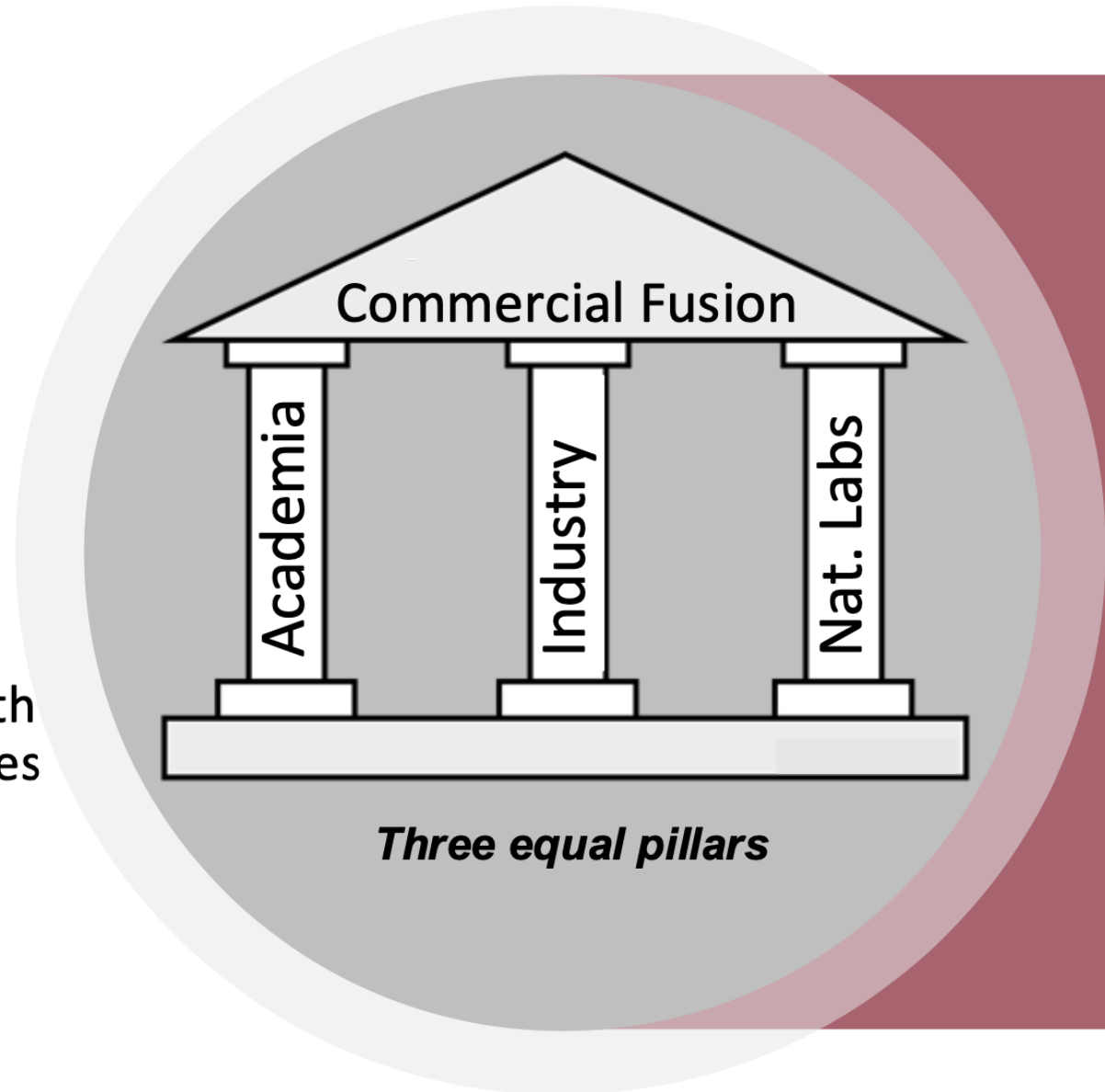
Who we are?

Non-profit representing US universities in the plasma-fusion landscape

What we do?

We **advocate** for **fusion and plasma focused research** in the US together with private industry and national laboratories

We **build community for university performers** within the plasma-fusion landscape



ADVOCACY IN 2025

- ☐ **Hill Visits:** Fusion Day & Day++
- ☐ Regular **DOE** interactions
- ☐ **Fusion Industry Assoc.** interactions
- ☐ Briefing to **SCSP** Commission
- ☐ US House Science & Tech **Hearing**
- ☐ Second **Student Delegation (FuSD)**

COMMUNITY IN 2025

- ☐ **Fusion Workforce Efforts**
- ☐ Faculty Mentoring Scheme
- ☐ Surveys and Dialog

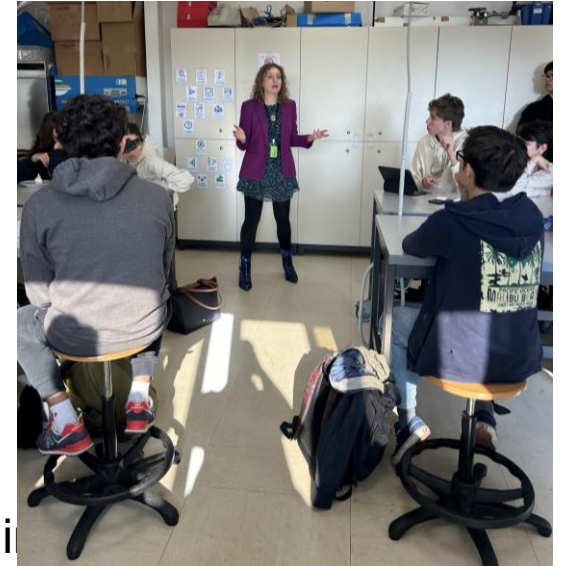


Building connections around the world, identifying areas for collaboration/bilateral agreements

U.S. Delegation
through Germany



Italy – meeting with leadership in
Nuclear Physics



Italy – high school visit



UN Summit of the Future
Jordan, IAEA, U.K. U.S.



Testifying to Congress



A*STAR Future Energy Acceleration
& Transition