

Technology Collaboration Programmes

International Energy Agency
2nd TCP Universal Meeting
9 October 2017
**High Temperature
Superconductivity (HTS)
Technology Collaboration
Programme**

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Overview of the HTS TCP

- **Goal:** Identify and evaluate potential applications and benefits of superconductivity and the technical, economical, and regulatory barriers to be overcome for achieving these benefits
- **Scope:** Develop technical communications products that will increase awareness of HTS technology and applications and provide information to help a range of stakeholders
- **Activities:**
 - Conducting outreach toward utilities, governments, professional engineering community, and RD&D community to communicate benefits of HTS technology
 - Sponsoring workshops, co-authoring publications, and enabling information and resource exchange across members
 - Developing position papers and strategic documents (e.g., roadmaps), as well as input on peer-reviewed reports
 - Disseminating work at international meetings and workshops
 - Addressing and clarifying perceived risks and hurdles to introduce a disruptive technology to conservative industry

What has happened since the last TCP Universal Meeting, September 2016

■ Increased external communications activities

- Developed three fact sheets
 - ◆ One policy fact sheet focused towards non-technical stakeholders
 - ◆ Two fact sheets focused on HTS Cables and FCLs
- Published **HTS Roadmap 2015-2030** and quarterly newsletter with highlights from industry and recent achievements on HTS TCP website (www.ieahts.org)
- Continue to update interactive “World Projects at a Glance” website
- **Co-organization of the joint TCPs workshop “Energy Efficiency in Future Electricity Systems” in Milano (ISGAN, DSM, 4e, HTS)**

■ Continued to strengthen internal communications activities

- Convened three Executive Committee meetings (Milano, Kawasaki, and Geneva)
- Published annual report highlighting TCP activities

■ Attended and participated in HTS technical meetings

- European Cryogenics Day 2017; 2nd International Workshop on Cooling Systems for HTS Applications; 14th Chinese superconductivity conference; EUCAS
- Submitted paper and poster to EUCAS conference on TCP activities and importance of standards

Planned future activities

- **Increase potential new member engagement** – ongoing dialogues with France and CERN, China, Russia, and The Netherlands
- **Increase exposure at technical meetings**
 - Identify conferences to present HTS TCP at
 - Convene a special session at the ASC 2018 conference in Seattle
- **Intensify external communications to increase HTS applications awareness**
 - Update website with HTS news and communications resources collated or being developed by the TCP
 - Develop additional fact sheets/brochures on rotating machines, storage, and DC vs AC applications (challenges, differences, feasibility)
 - Distribute quarterly newsletter more widely
- **Continue to strengthen internal communication and interaction**
 - Two Executive Committee Meetings being planned for 2018 – Spring and Fall
- **Conduct internal self-assessment to determine and improve upon the strengths and weaknesses of the group**