



This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under GA No 101004730.

AIPF

The Accelerator - Industry Permanent Forum

I.FAST 3rd Annual Meeting, Paris, France

R Geometrante, I Bejar Alonso

iFAST



AIPF - Accelerator Science and Technology Industry Permanent Forum

- Endorsed by the TIARA (<https://www.eu-tiara.org/>) Governing Council on February 21, 2023
- Established to:
 - bring together the Accelerator Science and Technology (ASc&T) **community**
 - foster a **coordinated** approach between industry and RI&TI in advancing knowledge
 - increase integrated **innovation capacities**
 - address together **societal challenges**



AIPF GOVERNANCE

The AIPF STEERING COMMITTEE is composed by:

- 7 representatives of the industrial partners
- 7 representatives of the ASc&T European Centers and Institutions
- 2 representatives of governmental agencies working as Industry Liason Officers
- The TIARA coordinator is an ex-officio member of the Forum

INDUSTRY



Raffaella Geometrante
Co-chair



Josef Troxler



Hans Priem



Miguel Angel Carrera



Michael Gehring



Rok Hrovatin



Francois Sylla

RESEARCH INSTITUTIONS



Isabel Bejar Alonso
Co-chair



Luis Garcia Tabares



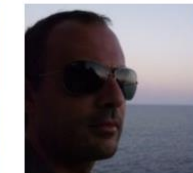
Mauro Morandin



Angeles Faus-Golfe



Anthony Gleeson



Antonio Falone



Peter Spiller

ILOs



Jan Visser



Jose Antao

TIARA



Jose Manuel Perez

Vision

Act as an **efficient link** between industry and research institutions, representing the **collective voice** of the entire Accelerator Science and Technology (ASc&T) community.

In subjects related to the link between industry and research institutions, become the **main permanent reference forum** for future European projects and decisions pertaining to ASc&T.

Strive to **exploit ASc&T capabilities**, aligning them with **societal needs** and addressing pressing **challenges in our society**.

Mission



Promote **collaborations** between industry and research labs at **early engagement** to enhance scientific achievements.



Promote and streamline innovation by the generation of **innovative solutions** ready for industrialization, market entry and exploitation.



Create a coherent and accessible **roadmaps** for co-innovation in accelerators, fostering strategic scientific innovation and societal progress.

AIPF Goals organized into 5 main areas

- 1. Industry Collaboration and Partnership**
- 2. Funding and Investment**
- 3. Knowledge Transfer and Communication**
- 4. Advocacy and Policy Influence**
- 5. Roadmap Development and Technology Transfer**

AIPF engagement and involvement with European Projects: EU-MAHTS

EU-MAHTS WP3 - Industry co-innovation

input and feedback regarding the development of research program focused on high-temperature superconductivity, specifically for the EC INFRATECH-2024 call.

- explore the feasibility and interest of industry collaboration in this program,
- discussing potential approaches, advantages, challenges, and methods for establishing effective collaboration between industry and the project.

AIPF engagement and involvement with European Projects: IFAST

IFAST, WP3, Task 3.3 “REPORT ON EXTENDED INDUSTRIAL CONTRIBUTIONS IN R&D ACTIVITIES - working document D3.3

The results of the survey conducted by AIPF regarding the prioritization of actions outlined in the IFAST Report highlight **significant disparities in priorities** among RIs, Industry, and ILOs.

Challenge: align objectives and expectations across diverse stakeholders within the ASc&T sector.

Actions promoted by Industry

1. Organizational aspects:

- RIs prioritize Education and training (interchange, industrial PhD programs...)
- Industry prioritizes the creation of Industrial Permanent Fora and having a platform to voice their opinions
- ILOs share the desire for more proactive industry involvement in strategic planning.

2. Investment and Risk strategy:

- Industry and ILOs prioritize promoting mechanisms to share risk
- RIs emphasize co-funding investments based on the distance to the market

AIPF engagement and involvement with European Projects: IFAST

Actions promoted by RIs

3. Internal actions withing the ASc&T community :

- RIs prioritize Education and Training programs (lowest priority for Industry!).
- Industry focuses on integrating and distributing information on new initiatives.
- ILOs prioritize long-term development plans.

4. Actions associated with coordinating efforts with other communities :

- ILOs emphasize promoting integration of roadmaps within the ASc&T sector and with other Big Science fields.
- Industry prioritizes joint strategies on ASc&T specific subjects.

5. Actions regarding contract rules:

- ILOs focus on reconsidering liabilities/guarantees and use of innovation procurement
- Industry prioritizes on R&D funding programs focused to industry
- RIs aim to work with funding agencies to advance funding tools specific for industry R&D.

WHAT'S NEXT

2024-2025 Action plan

Based on the achievements of the initial phase, we have formulated the following 2024-2025 Action Plan, which comprises five **key priorities**:

1. Promote the **integration, classification**, and distribution of **information** on new initiatives, calls, projects and infrastructure upgrades.
2. Promote the **integration of roadmaps** within synergetic communities.
3. Work on **R&D Funding** programs focused to industry.
4. Strength the relationship of **Industry** with the Research Institutions, being **proactive** in the ASc&T strategic development plans.
5. Promote mechanism to **share the risk** between Research infrastructures and Industry for the development of prototypes and low **TRL** components.

WHAT'S NEXT

2024-2025 Action plan - HOW

- **Classification system or directory** including **keywords**
- **Simplification and standardization** - unified European database?
- **Integration of roadmaps** – look for win-win situations
- **Exploring Synergies with Other Big Science Fields** – contact with Industry Boards
- **Enhancing Industry Representation**
- **Addressing Investment and Risk Sharing** – Best Practices, TRLs

➤ Towards BSBF 2024



- <https://aipf.web.cern.ch/>
- <https://www.linkedin.com/in/aipf-asct-permanent-forum-215332296/>

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