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Industrial Advisory Board Summary

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On behalf of the IAB

I.FAST 1st Annual Meeting. - May 6th, 2022



I.FAST IAB members

Name	Role	Company	Nationality
Spela Stres	Chair	<i>Center for Technology Transfer and Innovation (CTT)</i>	Slovenia
Charles Mangeot	Member	<i>CTS</i>	Denmark
Francesco Fantini	Member	<i>Fantini</i>	Italy
Francois Sylla	Member	<i>SourceLAB – Laser Plasma Technologies</i>	France
Olivier Tasset-Maye	Member	<i>Sigmaphi</i>	France
Josef Troxler	Member	<i>Ampegon Power Electronics AG</i>	Switzerland
Melhem Ziad	Member	<i>Oxford Quantum Solutions</i>	UK
Michael Peiniger	Member	<i>Research Instruments</i>	Germany
Miguel Angel Carrera	Member	<i>AVS-Added Value Solutions</i>	Spain
Pavel Hedbavny	Member	<i>Vakuum Praha</i>	Czech Republic
Rok Hrovatim	Member	<i>Cosylab</i>	Slovenia
Ronald Dekker	Member	<i>Demaco</i>	Netherlands

I.FAST IAB work

- **This week, I.FAST IAB:**
 - I.FAST Accelerator-Industry Co-Innovation Workshop (3-4rd May 2022):
<https://indico.cern.ch/event/1138690/timetable/#20220503.detailed>
 - Tuesday 3rd May 2022 (evening) for an organizational and welcome meeting
 - Thursday 5th May 2022 to address the questions I.FAST has proposed:
 - 1) Effectiveness of industrial partner engagement in IFAST as co-innovators
 - 2) Feedback for the next European calls
 - 3) Evolution of the Technology Infrastructures for Accelerators

In 3 parallel groups



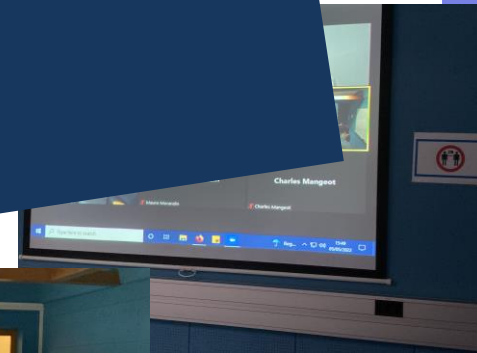
I.FAST IAB work

- This week, I.FAST IAB:

- I.FAST Accelerator

These slides are the preliminary outcome of the discussions on 5th May by the IAB parallel groups.

This will be used as a base for the report that will be circulated soon to the IAB, for the final editing and endorsement.



Questions for I.FAST IAB (I) :

I.FAST and industry

- **Industrial training should be approached in a different perspective**
 - Professional help for setting up the contracts should be considered
 - The training should be more focused/specialized with possibility of flexible schemes and with added values for the companies
 - The construction of a matrix relating the different topics/laboratories/training level
- **Internal Innovation Fund**
 - The IAB could contribute to the evaluation process in certain domains

Questions for I.FAST IAB (I) :

I.FAST and industry

- **I.FAST WP3 activities**
 - I.FAST researchers/engineers should make an effort on filling the gap between research and industry language.
 - The potential use/application, final market... in the presentations of the different I.FAST projects/initiatives has to be included in the future
 - Simplified schemes/agendas and organization in workshops is advisable
 - The feedback of the co-innovation industrial workshop is very positive
 - Next industrial similar event could be in the format of satellite meeting (of annual I.FAST) on focused topics: materials (processing, handling, performances), environmental, medical...
 - Permanent accelerator community industry forum inside TIARA is considered very suitable.

Questions for I.FAST IAB (II) :

Feedback to EC for the next Work Programme

- **Relative percentages** of funds for **innovation** versus **service** providing? Under the assumption that funds are available for innovation, would be somehow **decoupled** to those for service providing, at least, at the needed level for the two objectives declared at the short term.
- Regarding the **involvement of the industry on Accelerator projects**, a difference might be set out between **SMEs** and **larger production industrial groups**. Aims, needs and **co-innovation strategy** are **different** in these two industry types.
- An evolution of EC has been identified on innovation. From ERC to the creation of EIC. **Innovation** importance is becoming **more visible**.
- **Next actions** of the accelerator community must **address economical aspects**. The involvement of Schools of Finance must be considered as essential.
- **Innovation procurement** is an excellent **tool** for the **community**, in particular for **low TRL**. This tool must be encouraged within the community.

Questions for I.FAST IAB (II) :

Feedback to EC for the next Work Programme

- Should the **support of IAB** for a **continuation of IFAST** be **targeted** to specific innovation aspects, or would it be a **general support**? It was agreed the latter.
- Would **IAB** highlight its **support** of a project continuation of **IFAST** to **keep the European leadership on accelerator technologies worldwide**, to assure the self-sustainability of the European innovation ecosystem? It was agreed.
- Finally, it was commented a **draft text** to define the **positioning of the IAB** about its **eventual interest for EC to open**, within the **next Work Program**, **suitable tools to continue the integrated work done in IFAST**, as a needed step to **consolidate a common industry-research institutions co-innovation program**, as well as its support to **short-term proposals** related to accelerator developments for **applied fields**; in particular, environmental and medical applications. This text will be discussed internally by the IAB and, if finally agreed and decided, **submitted to the IFAST Management before June 2022**.

Questions for I.FAST IAB (III):

Accelerator European Technology Infrastructure (WP13)

- The **IAB** consider the **mapping of the European Technology Infrastructure for Accelerator** development and the definition of its evolutionary roadmap an **important initiative** to be pursued.
 - The inclusion of Technical Platforms belonging to **private companies** is also seen as a possible integration
 - However companies do **not see significant possibilities** that such Platforms can be used effectively **by third parties**
- The **exploitation of the Technology Platform by Industry** requires a **promotional effort** to guarantee that they are well know to possible users
 - in addition, **professional support** is needed for facilitating access and also to enhance the visibility
 - it is also felt that an engagement of private companies might be needed to provide a **professional service** with adequate continuity

Questions for I.FAST IAB (III):

Accelerator European Technology Infrastructure (WP13)

- The effort of **harmonizing the access rules** and the procedures across the Platforms should be pursued
- However, this is not the factor playing the most important role in taking the decision of contacting a TP for obtaining possible services
- **More relevant** is the possibility to **create a collaboration** that can rely on the availability of skills and competences available in the TP
 - in several cases, the company not only may request to use the facility, as it can be in the case of simple tests to be performed in special physical conditions, like those of a cryogenic environment, but it is the **fertile interaction with the personnel** that, at least initially, represent the **most valuable asset** offered by the TP
 - the capabilities of **guaranteeing continuity** of the **collaboration** and the **services** are also considered key factors for possible industrial users

Questions for I.FAST IAB (III):

Accelerator European Technology Infrastructure (WP13)

- The **thematic workshops** organized by a set of European TPs working in a specific technology sector, as foreseen in WP13, are felt to be a **good opportunity** for **Industry**
 - they may represent interesting occasions in which the TPs can inform the companies about their programs and available services
 - the IAB believes that, in such workshops also companies should be given a possibility to present the evolution of their technical capabilities, either through talks or with documentation made available like posters



**Thanks for your collaboration
Let's continue the work....**

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