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I.FAST WP3

General meeting, 27 January 2023

M. Morandin - INFN/PD

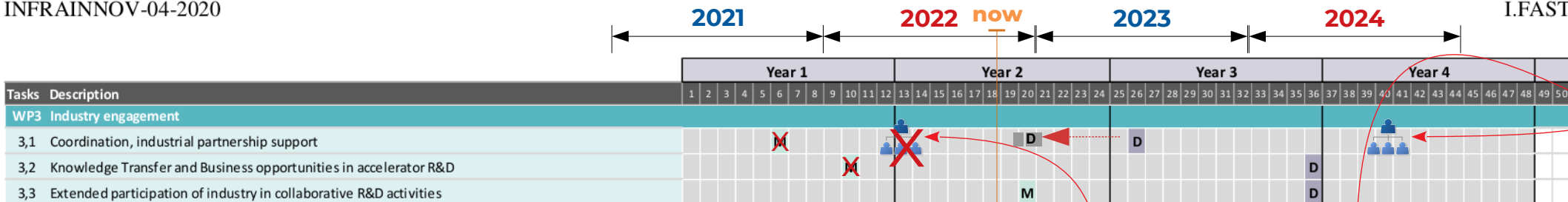
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WP3 deliverables and milestones

INFRAINNOV-04-2020

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Deliverables related to WP3

D3.1: Industry Workshop Report

Report to document the outcome of the workshop

M26

D3.2: Business development case report

Description of the activities carried out and of the results obtained

M36

D3.3: Report on extended industrial contributions in R&D activities

Guidelines to improve the participation of private companies in R&D activities

M36

Open industry workshops

Table 3.3: List of milestones

Milestone n°	Milestone name	Related work package(s)	Due date (M)	Means of verification
MS8	Industry Advisory Board launch	3.1	6	Kick-off meeting report
MS9	I.FAST KT Report ready	3.2	10	Report
MS10	Collection of feedback from industrial partners and RIs participating in IFAST	3.3	20	Report

IFAST Workshop

- april 18, 2 PM -> 6:30 PM
- overview of the cutting-edge ongoing and planned R&D efforts [~ 100']
 - Production of REBCO tape at Theva, Germany
 - MgB2 at ASG, Italy (wire and various projects including MRI)
 - HTS for Fusion, Tokamak Energy, UK
 - HTS for SMES on ships, the EU Poseidon project, CIEMAT, Spain
 - HTS for medical applications including IFAST, Lucio
 - HTS for accelerators – including power transmission, Amalia
- challenges for the development of HTS industry in Europe [~ 80']
 - The Eco Swing Project, the first superconducting generator for a wind turbine, University of Twente, The Netherlands
 - Challenges in public-private R&D cooperation (ASG)
 - Airbus airplane project
 - Bilfinger Noell
 - Bottura talk the need of HTS facilities at European level and their exploitation by industry
 - Nexans : SC fault current limiters for medium voltage applications
- coffee break [20']
- opportunities at European level [30']
 - INFRATECH call (M. Vretenar) [10']
 - SC Global Alliance Initiative (ScGA) (Ziad Melhem) [20']
- panel discussion on exploitation of opportunities a European level, both short and longer term [30']

- Spela has resigned, Angela will take over
- sent message to IAB members, proposing:
 - Zoom meeting in February to examine the Permanent forum Terms of Reference
 - participation in the I.FAST Annual meeting and the IAB meeting in person on April 18
- issues for next meeting:

I.FAST EC review on Feb. 7

- presentations by each WP
 - 15', demonstrate achievements, activities, engagement of participants
 - Maurizio will circulate a template next week
 - I will prepare the slide and circulate them for comments/integrations

Permanent forum

- Preliminary endorsement by Tiara in December
- Terms of reference written, to be examined by the IAB and then discussed by Tiara on Feb. 21
- aiming at setting up the Forum for the I.FAST annual meeting



M. Morandin - 27 January 202

AS&T Permanent Industry Forum. Terms of Reference

(These Terms of Reference of the AS&T Permanent Industry Forum has been endorsed by the TIARA Governing Council the day 2023.)

I. Mission and goals

This Accelerator Science and Technology Permanent Industry Forum (Forum in the following) is established with the mission of bringing together the industry and the Accelerator Science and Technology (AS&T) community, to foster a coordinated approach in advancing knowledge, increase integrated innovation capacities and addressing together societal challenges.

The main goals the Forum should pursue are the following:

1. Establish a long-term co-innovation strategic cooperation between industry and research institutions, beyond the scope and time frame of specific projects.
2. Provide support for the definition of the accelerator Science and Technology road-maps, following an integrated approach that takes into account the resources and the capabilities available, or to be developed, at both Research Institutions and Technological Infrastructures (RI&TI) and Industry.
3. Outline strategies to remove obstacles that limit the optimal exploitation of the synergistic cooperation between industry and RI&TI.
4. Indicate possible actions to fully develop the European industrial potential and respond to possible specific industry needs, such as:
 - a) exploitation of opportunities for industrial involvement across the broader spectrum of scientific sectors (Fusion, Space, Astrophysics, ...);
 - b) achievement of appropriate critical mass on the AS&T activities;
 - c) promotion of stronger internal coordination of the industrial companies involved in the AS&T field;
 - d) consolidation of the competitiveness of the European Industry worldwide.
5. Produce a periodic assessment, based on well-defined criteria, of the degree and effectiveness of cooperation between research institutions and industry and further possibilities for improvement.

The Forum will have the possibility to spawn working groups, formed with the possible participation of external experts, to address specific issues within defined time frames.