



iFAST 2nd Annual Meeting, April 18, 2023

Mike Seidel, PSI/EPFL

Agenda for today, April 18

- 1) **Welcome and Introduction, M.Seidel (PSI)**
- 2) Update on CERN activities, N.Catalan-Lasheras (CERN)
- 3) Plans at ESS after change of coordinator, A.Sunesson (ESS)
- 4) Update workshop on HTS applications and GSI activities on energy efficiency, P.Spiller, J.Stadlmann (GSI)
- 5) Lessons of workshop on critical materials and plans for DESY activities, D.Völker (DESY)
- 6) Update on PM combined function magnets and plans for STFC, A.Hinton, B.Shepherd (STFC)
- 7) Discussion, all:
 - Support of ESSRI workshop Madrid, 2024
 - Ideas for additional activities of WP11 in remaining time till 4/2025, e.g. topical workshops
 - A.O.B.
- 8) Review of decisions and conclusion (all)

Appendix: Milestones & Deliverables

Schedule of relevant Milestones				
Milestone number ¹⁸	Milestone title	Lead beneficiary	Due Date (in months)	Means of verification
MS50	Workshop on energy for sustainable science at research infrastructures, at ESRF	41 - PSI	6	Web site (task 11.1)
MS51	Workshop on efficient RF sources	1 - CERN	13	Web site (task 11.1)
MS52	Workshop on efficient magnet- and RF power supplies	2 - ESS	22	Web site (task 11.1)
MS53	Workshop on sustainable materials and lifecycle management for accelerators	12 - DESY	18	Web site (task 11.1)
MS54	Workshop on industrial approaches for sustainable accelerators	13 - GSI	42	Web site (task 11.1)
MS55	Design review	1 - CERN	12	Web site (task 11.2)
MS56	Magnets constructed and tested	25 - KYMA	25	Magnetic measurements completed (task 11.3)

September 2022, done

July 2022, done

Delayed to 2024

February 2023, done

December 2023 (HTS topic)

June 2022, done

July 2023

Deliverables related to WP11	
D11.1: Sustainable Accelerators Report. <i>Report on strategies to improve sustainability and reduce environmental impact of accelerators.</i>	M45
D11.2: Klystron prototype completed and validated. <i>Report on the construction of the klystron prototype and on the test results.</i>	M36
D11.3: Prototype adjustable PM quadrupole and combined function magnets. <i>Two prototype PM-based magnets – one quadrupole and one combined-function magnet designed, built and measured.</i>	M28