

E-TASC General Meeting

Monday, 11 November 2024 - Friday, 15 November 2024

Max Planck IPP

Programme



Session	Room	Zoom Connection Details:
PLENARY	D2.Conf.	https://us02web.zoom.us/j/82335690511?pwd=TSCSsXkYLmeuWS35Ebajz1mPR1He3.1
Parallel - I	D2.Conf.	https://us02web.zoom.us/j/82335690511?pwd=TSCSsXkYLmeuWS35Ebajz1mPR1He3.1
Parallel - II	EUROfusion	https://us02web.zoom.us/j/81159830007?pwd=5M6DIHbKmw63Ye08YBRdD9jB73vboJ.1
Parallel - III	D2.seminar	https://us02web.zoom.us/j/82964637490?pwd=rard0ttqobxpFXg5ltOOov8y58apTv.1

Monday, 11 November 2024

WELCOME - D2 Conference Room (13:00 - 13:20)

- Presenters: JENKO, Frank; NAULIN, Volker

Plenary: Research gaps and opportunities in simulation / theory (ITER, DEMO, JT-60SA, W7-X etc.) - D2 Conference Room (13:20 - 15:20)

time	[id] title	presenter
13:20	[2] Perspective of the Plasma Science Department	WISCHMEIER, Marco
13:50	[5] DISCUSSIONS	
14:20	[3] Perspective of the DEMO Central Team	ZOHM, Hartmut
14:50	[10] DISCUSSIONS	

COFFEE BREAK - D2 Conference Room (15:20 - 15:40)

Plenary: Research gaps and opportunities in simulation / theory (ITER, DEMO, JT-60SA, W7-X etc.) - D2 Conference Room (15:40 - 18:00)

time	[id] title	presenter
15:40	[11] Simulation and Theory in the USA	HALFMOON, Michael
16:10	[6] DISCUSSIONS	
16:40	[12] Simulation and Theory in the UK	DAVIS, Andy
17:10	[13] DISCUSSIONS	

Tuesday, 12 November 2024

Plenary: Status and plans of the TSVVs (until the end of 2025 and beyond) - D2 Conference Room (09:00 - 10:30)

time	[id] title	presenter
09:00	[7] E-TASC Programme Overview	JENKO, Frank
09:40	[8] POSTER SESSION	PRINCIPAL INVESTIGATORS, TSVV

COFFEE BREAK - D2 Conference Room (10:30 - 10:50)

Plenary: Status and plans of the TSVVs (until the end of 2025 and beyond) - D2 Conference Room (10:50 - 12:30)

time	[id] title	presenter
10:50	[14] POSTER SESSION	PRINCIPAL INVESTIGATORS, TSVV

LUNCH BREAK (12:30 - 13:30)

Parallel 1: PSD clarifications - D2 Conference Room (13:30 - 15:40)

-Conveners: Ivan Calvo; Nicola Vianello; Sara Moradi

Parallel 2: Benefits of open science and open source software - R3.054 (13:30 - 15:40)

-Conveners: Frank Jenko

Parallel 3: Examples of ACH activities (13:30 - 15:40)

-Conveners: Paolo Ricci

COFFEE BREAK - D2 Conference Room (15:40 - 16:00)

Parallel 1: DEMO clarifications - D2 Conference Room (16:00 - 18:00)

-Conveners: Hartmut Zohm

Parallel 2: Organisation of trainings on delivered codes/capabilities (roles of Thrusts, TSVVs, WPs) - R3.054 (16:00 - 18:00)

-Conveners: Marcin Jakubowski; Nicola Vianello; Emmanuelle Tsitrone

Parallel 3: Examples of ACH activities (16:00 - 18:00)

-Conveners: Paolo Ricci

Wednesday, 13 November 2024

Plenary: E-TASC and Digital Science Department beyond 2025 - D2 Conference Room (09:00 - 10:30)

o Further development of the TSVV-ACH ecosystem

o Addressing the research gaps and opportunities discussed on Monday o Expansion towards fusion engineering o Input from experts from other communities

time	[id] title	presenter
09:00	[15] DSD — present and future	NAULIN, Volker
09:15	[16] E-TASC — present and future	JENKO, Frank
09:30	[17] Update on the Data Management Plan	STRAND, Pär
09:45	[29] Perspectives for utilization of AI/ML	GRANBERG, Fredric
10:00	[18] Perspectives of HPC - challenges in exascale era and beyond	RICCI, Paolo
10:15	[32] QUESTIONS&DISCUSSIONS	

COFFEE BREAK - D2 Conference Room (10:30 - 10:50)

Plenary: E-TASC and Digital Science Department beyond 2025 - Library (10:50 - 12:30)

time	[id] title	presenter
10:50	[31] Guided discussion: Further development of the TSVV-ACH ecosystem	NAULIN, Volker

LUNCH BREAK - D2 Conference Room (12:30 - 13:30)

Parallel 1: TSVV PIs - Round table discussion - D2 Conference Room (13:30 - 15:40)

Parallel 2: DMP clarifications & demo - R3.054 (13:30 - 15:40)

-Conveners: Pär Strand; Michal Owsiak

Parallel 3: ACH PIs - Round table discussion - seminar room • Benefits of open science and open source software (13:30 - 15:40)

-Conveners: Mervi Mantsinen

COFFEE BREAK - D2 Conference Room (15:40 - 16:00)

Parallel 1: TSVV + ACH PIs - Round table discussion - D2 Conference Room (16:00 - 18:00)

-Conveners: Mervi Mantsinen

Parallel 2: Tools for code development (demo by ACH-IPPLM) - R3.054 (16:00 - 18:00)

-Conveners: Dmytro Yadykin; Michal Owsiak

Parallel 3: TBD - seminar room (16:00 - 18:00)

DINNER - Bräustüberl Weihenstephan (19:00 - 22:20)

On Wednesday we plan to have dinner at Bräustüberl Weihenstephan (<https://www.braeustueberl-weihenstephan.de/>) in Freising, which should be easy reachable with express buss directly from the institute. There is an option of the guided bier testing prior to the dinner, which would be ~10 EUR addition to the dinner costs.

If you are interested in bier testing, please provide the feedback through <https://terminplaner6.dfn.de/en/e/8302204ccbb32a59111eb18589abaae9-913540>.

Also, if you have special food requirements, e.g. vegetarian, intolerances or allergies please indicate them in the comment field at the same form. This would help us to organize the dinner.



Departure from **Garching-Forschungszentrum**

Bus  **X660** @18:01

Thursday, 14 November 2024

Plenary: Towards EUROfusion Standard Software - D2 Conference Room (09:00 - 10:40)

o Training o Building user communities o Applications o Resources

time	[id] title	presenter
09:00	[25] Motivation, criteria, progress, and challenges	JENKO, Frank
09:15	[26] Steps forward and the role of ACHs	MANTSINEN, Mervi
09:35	[27] Guided discussion	

COFFEE BREAK - D2 Conference Room (10:40 - 11:00)

Plenary: Code dissemination - D2 Conference Room (11:00 - 12:30)

time	[id] title	presenter
11:00	[22] Existing examples within EUROfusion	BOURDELLE, Clarisse COSTER, David HÖLZL, Matthias GÖRLER, Tobias
11:40	[23] Guided discussion: Building user communities	

LUNCH BREAK - D2 Conference Room (12:30 - 13:30)

Parallel 1: UK programme clarifications - D2 Conference Room (13:30 - 15:40)

-Conveners: Andy Davis

Parallel 2: EUROfusion strategy for integrated modelling tools - R3.054 (13:30 - 15:40)

-Conveners: Rui Coelho

Parallel 3: TBD - seminar room (13:30 - 15:40)

COFFEE BREAK - D2 Conference Room (15:40 - 16:00)

Parallel 1: Data requirements by TSVVs (input to DMP) - D2 Conference Room (16:00 - 18:00)

-Conveners: Pär Strand

Parallel 2: Core transport reduced model towards burning plasmas - R3.054 (16:00 - 18:00)

-Conveners: Colin Roach

Parallel 3: TBD - seminar room (16:00 - 18:00)

Friday, 15 November 2024

Plenary: Research gaps and opportunities in simulation / theory (ITER, DEMO, JT-60SA, W7-X etc.) - D2 Conference

Room (09:00 - 10:30)

time	[id] title	presenter
09:00	[19] ITER-related research gaps	PINCHES, Simon
09:20	[20] DISCUSSIONS	
09:50	[21] Guided discussion: Closing research gaps (incl. engineering & materials)	

COFFEE BREAK - D2 Conference Room (10:30 - 10:50)

Plenary: CONCLUSIONS - D2 Conference Room (10:50 - 12:00)

time	[id] title	presenter
10:50	[28] Guided discussion: Outcome from the meeting	JENKO, Frank NAULIN, Volker
11:50	[33] CLOSING	