

# TSVV-C Annual Meeting 2026

## TSVV-C Team

Garching, June 1-3

**MAX-PLANCK-INSTITUT**  
FÜR PLASMAPHYSIK



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# This meeting at a glance

## Welcome to IPP Garching!

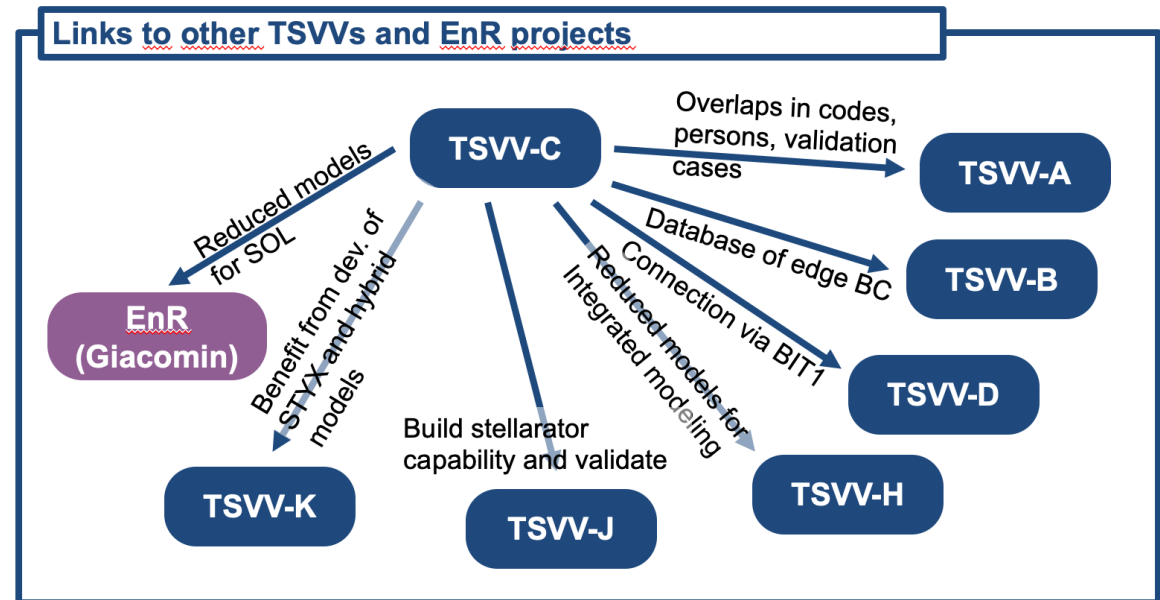
- **Wi-Fi: “IPP\_Guests”** (no password needed)
- **Coffee breaks** will be served in the **L6-“Begegnungszentrum”**.  
(across the bridge, windowed room on the left)
- All sessions take place here (**L5 seminar room**)
- **Lunch at canteen** (+ some options outside of IPP campus)
- **Dinner: Tuesday, 6:45pm, at Gasthof Neuwirt**
- **Please upload your slides to <https://indico.euro-fusion.org/event/3997/>**  
(or send them to me)



# Why are we here?

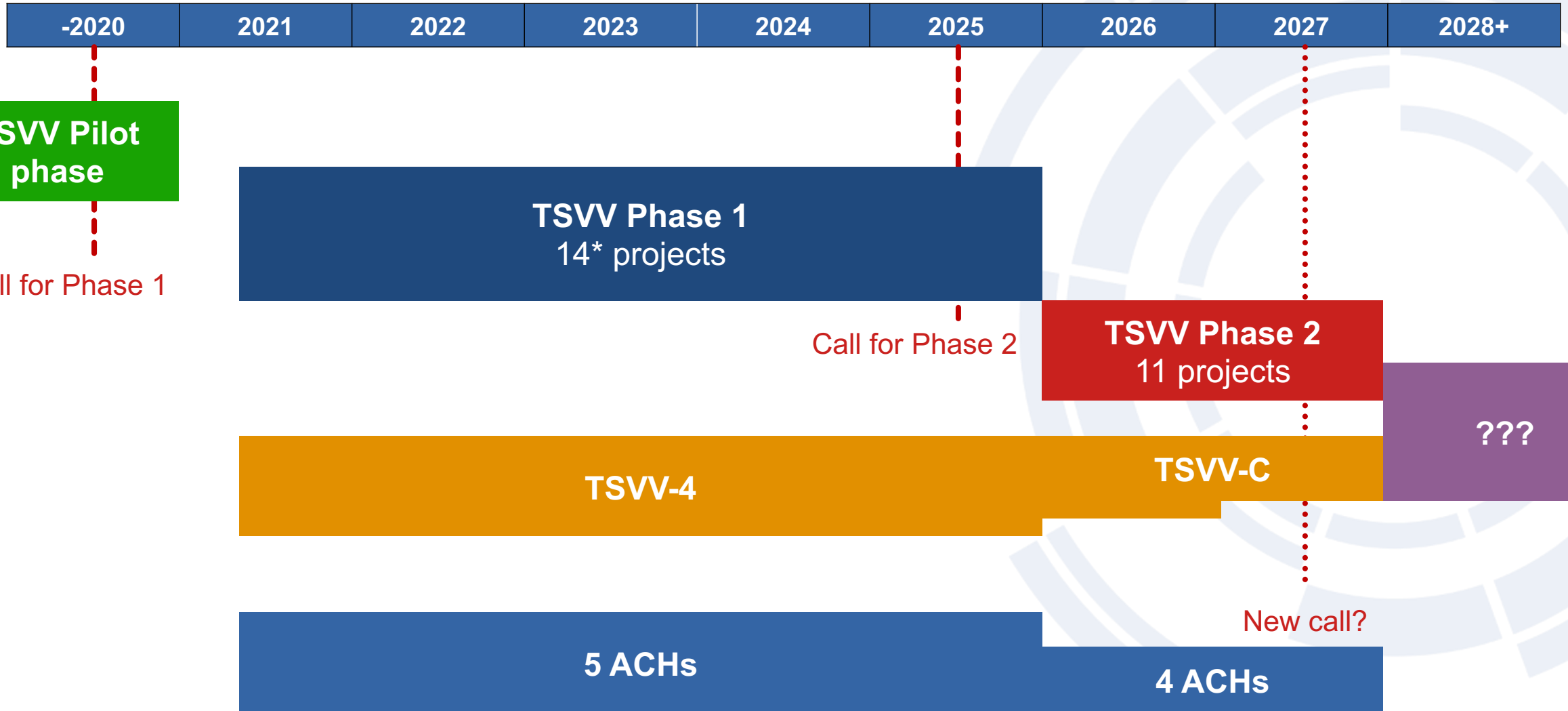
## Some goals for this meeting:

- Familiarize with the **new TSVV-C scope and priorities**
- Give everyone a clear idea of **what everyone else is working on**
- Find **contact points** between project members, code teams, with other projects
- **Input** from other projects, input from EFPW, ...
- What would **you** like to take away from this meeting?





# Short history (and future) of our TSVV project





# From TSVV-4 to TSVV-C: Scope changes

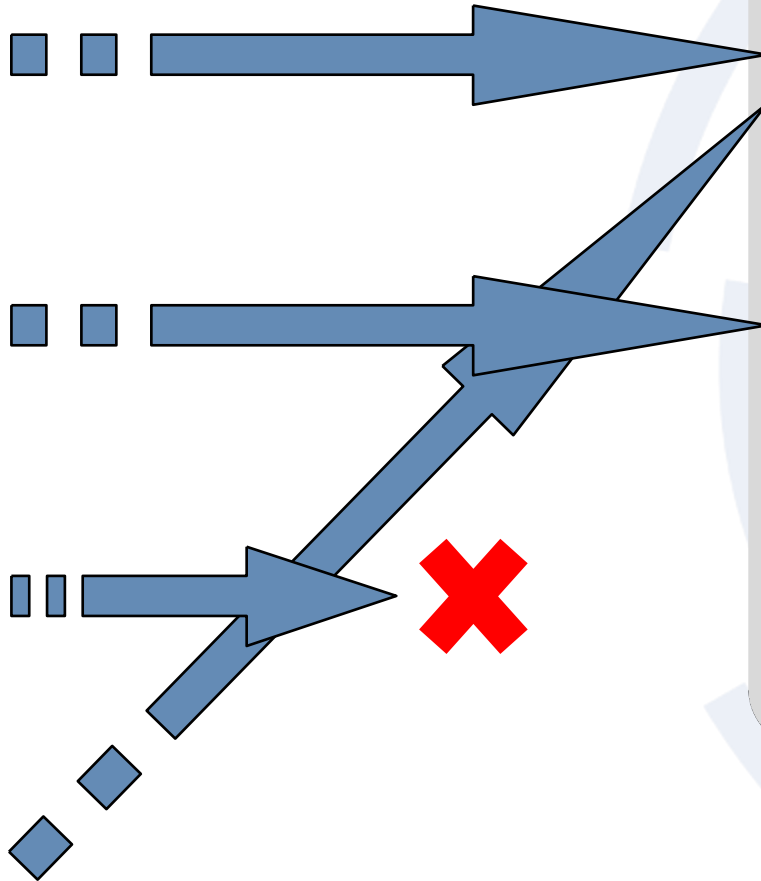
## TSVV-4

Kinetic codes for the plasma edge ▶ TSVV T1

Deal with open field lines

Limitations of Gyrokinetics

Coupling methods



## TSVV-C

Build capability to predict exhaust w. GK, neutrals + impurities

Develop realistic boundary conditions using full kinetics

Apply tools to key tokamak and stellarator questions

Develop reduced models for integrated modelling

HPC



# Setup of TSVV-C

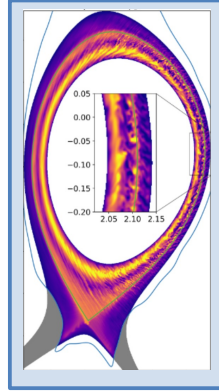
Build capability to predict exhaust w. GK, neutrals + impurities

Apply tools to key tokamak and stellarator questions

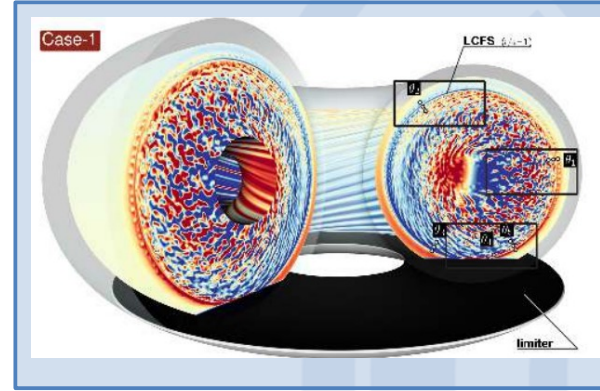
Develop realistic boundary conditions using full kinetics

Develop reduced models for integrated modelling

GENE-X (IPP/SPC)



GYSELA (CEA)



Gyro-Moment (SPC)

JOEK-GK (CEA)

BIT1 (IPP-CR, UL)

Steady-state approach (SPC)

Separatrix BC database (with TSVV-B)

SOL transport modelling (DIFFER)



# Roadmap until end-2026



**You are here.**

**Specify validation needs (WPTE/WPSTEL)**

**Mid Nov: New Pitagora/HPC proposals**

**Dec 31: Annual report**



**Let's have a great meeting!**

