

# Software planning

- Scope of the meeting -

Mara - 25/11/2025

# Are we doing too much or too little?

- do we have room to start new activities? -

- Review of Nikhef commitments: what we already signed up for
  - are we covering all responsibilities?
- Plans: what we want / what we can do
  - resources: with whom can we count to fulfil our commitments?
  - are there activities done in parallel that need coordination?
- Goals:
  - reach a realistic estimation of FTEs for 2026
  - *(following VELO performance effort)* form additional “battle-unit”(s) for software-related activities

# Our RTA responsibilities

Every year (tomorrow) we update the nr of FTEs

Does this need to be updated?

Can/should this be updated?

Responsibility	Institute
Management	All Institutes
Shifts	All Institutes
GPU HLT1 framework	LPNHE, NIKHEF, Maastricht, Marseille
Tracking	CERN, Heidelberg, LPNHE, AGH, USC Valencia, UFRJ, Milano, Tsinghua, Dortmund, Pisa
Track fit	NIKHEF, MIT
CALO reco/ID	IJC, Annecy, CERN, La Salle, Warsaw, HSE, YSDA
RICH reco/ID	Cambridge, HSE, YSDA
Muon reco/ID	HSE, YSDA
Fixed target	Firenze
Alignment	NIKHEF, Manchester, Dortmund, Bristol Cambridge, Ferrara, CCNU, Syracuse
Calibration	Heidelberg, UCAS, Tshingua, Dortmund Oxford, Marseille, Cagliari
Monitoring and data quality infrastructure	CERN, Oxford, Heidelberg, Marseille HSE, YSDA, Manchester
Testing infrastructure	CERN, NIKHEF, Dortmund, Edinburgh, Heidelberg
Persistency infrastructure	CERN, LPNHE, Tsinghua
Trigger selection	CERN, Warwick, MIT, Oxford CCNU, La Salle
Combinatorics, vertexing	CERN, NIKHEF, Warwick Cincinnati, IFJ
Streaming & Bandwidth division	Manchester, Warwick, CERN
3 Upgrade Ib/II R&D	Milano, Pisa, Cagliari, Ferrara Bristol, Imperial, Manchester, CERN, HSE, YSDA NIKHEF, LPNHE, IJCLab

# DPA involvement

**Officially, we never 'signed for' any commitment**

As of April/2024, Maastricht:

R4.1 - Quantum Computing Liaison with External Bodies [DPA-WP4] (0.1 FTE)

[was Menica Dibenedetto at DACS (UM) and we discontinued this responsibility last year.]

T4.3 - R&D on Quantum Computing [DPA-WP4] (0.5 FTE)

[in 2024 Miriam and Xenofon (before Davide) ]

(Patrick's involvement even earlier)