

Telecon
14 January 2022

CAESAR

WP2000 Meeting 01

Comprehensive spAce wEather Studies
for the ASPIS prototype Realization

Project Prime:



Project Partners:



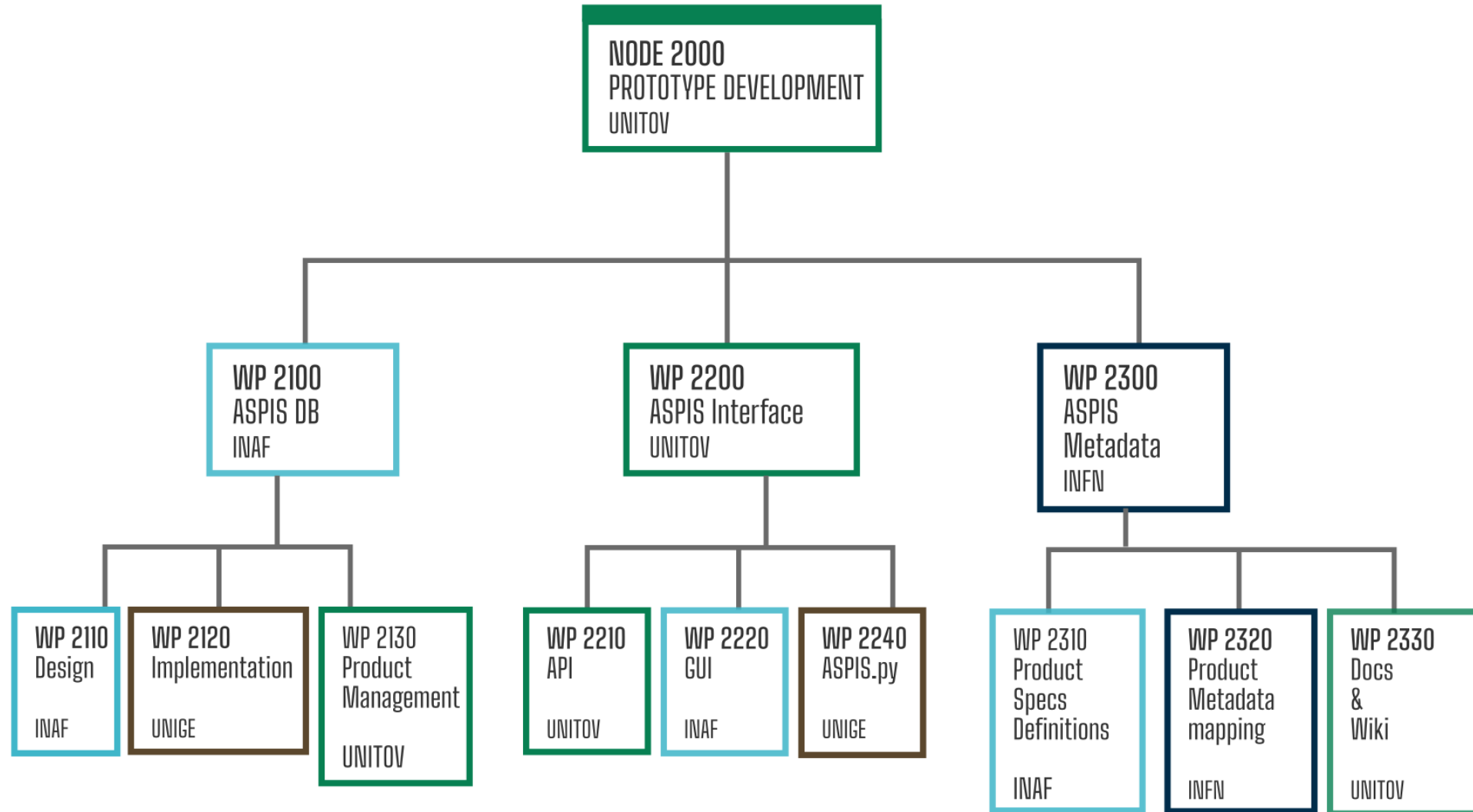
Comprehensive spAce wEather Studies for the ASPIS prototype Realization (CAESAR)

● OdG

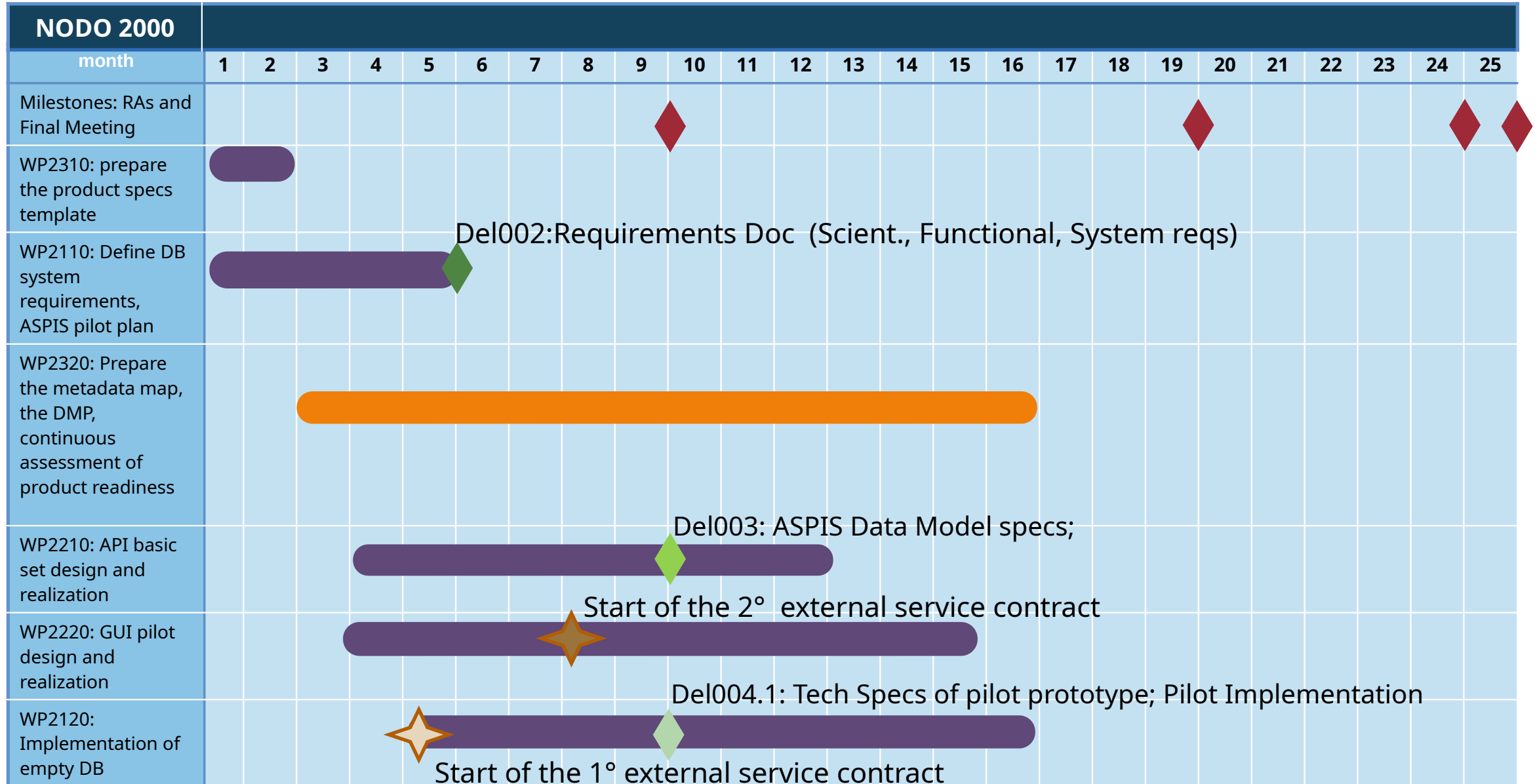
- rivedere WBS + responsabili
- rivedere timing
- issues on financing → 3 ARs Tech
- Piattaforma condivisione lavoro
 - Teams (Luca per ufficio supporto) next week 1.5h (DDM)
- inizio lavori x template
 - (WP2300 LEAD con WP2310-WP2320-WP2130)
- inizio lavori x design (system requirements)
 - (WP 2100 LEAD con WP2110-WP2210-WP2220-WP2230)
- AOB

	INAF: Istituto Nazionale di Astrofisica
	INGV: Istituto Nazionale di Geofisica e Vulcanologia
	INFN: Istituto Nazionale di Fisica Nucleare
	UNIAQ: Università degli Studi dell'Aquila
	UNICAL: Università della Calabria
	UNICT: Università degli Studi di Catania
	UNIGE: Università di Genova
	UNIPG: Università degli Studi di Perugia
	UNITOV: Università degli Studi di Roma Tor Vergata
	UNITN: Università degli Studi di Trento

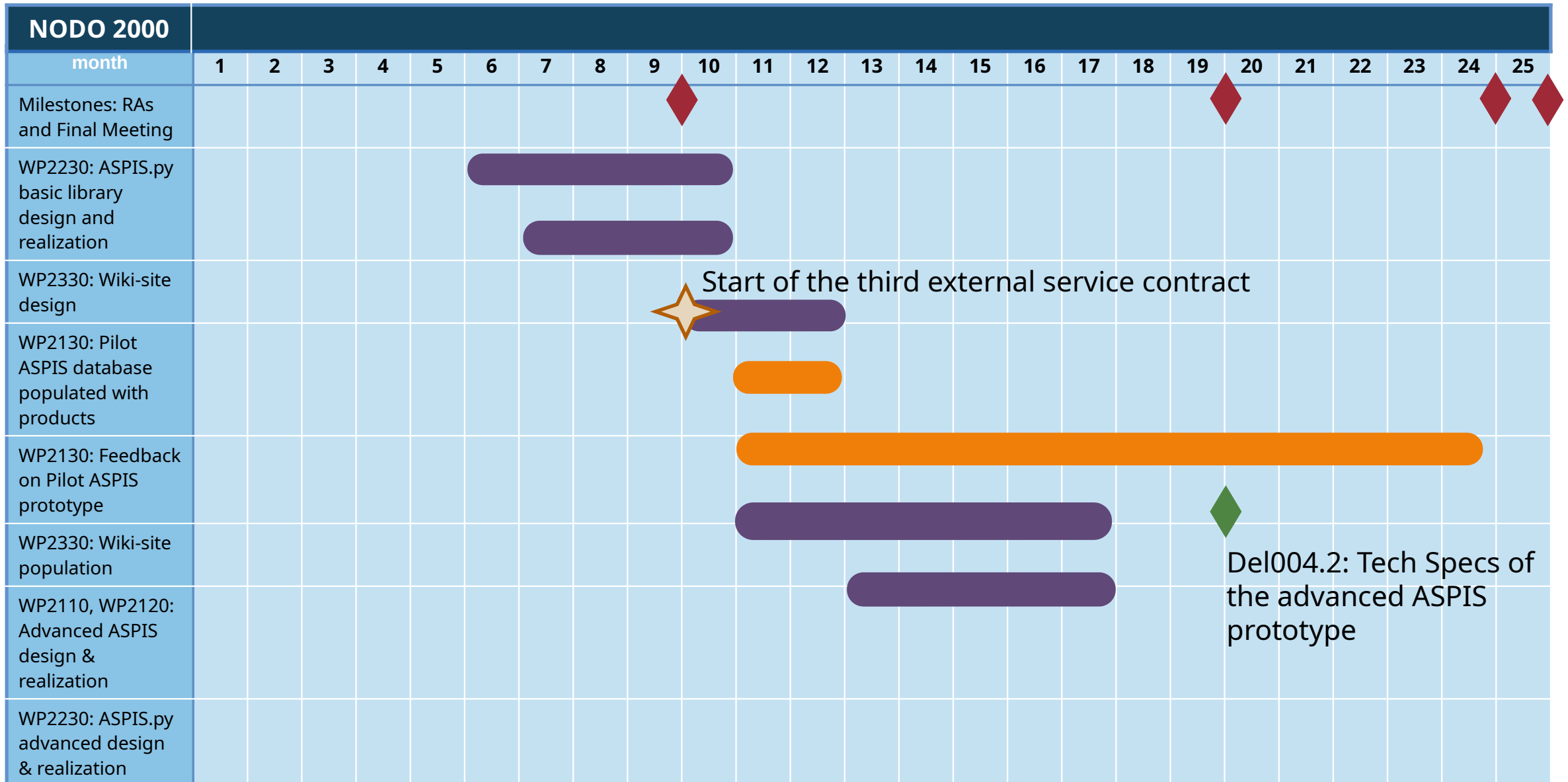
WBS



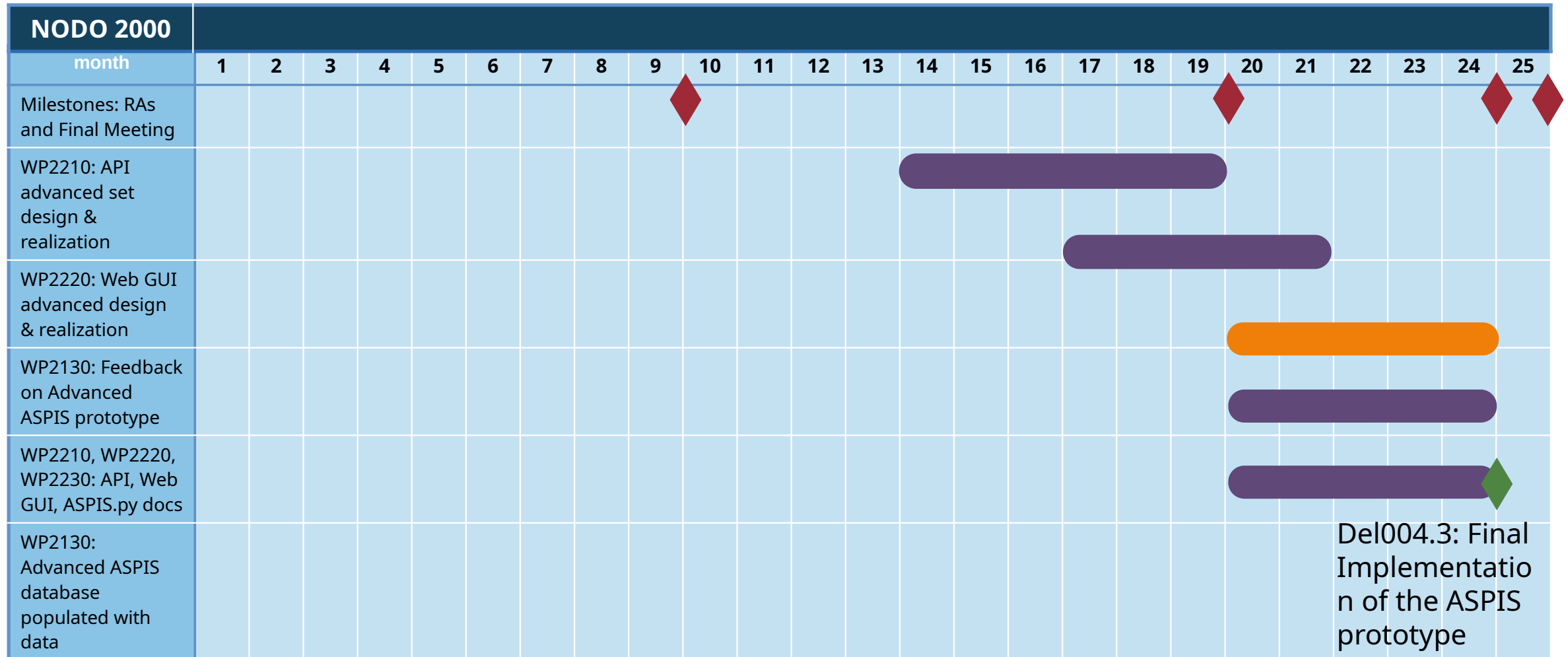
NODE2000 Activity Planning



NODE2000 Activity Planning



NODE2000 Activity Planning



Milestones&Deliverables

Milestones	Date	Deliverables	
-	May 2022 (T0+5m)	DEL002	WP0.1: ASPIS requirements document, including scientific, functional and System requirements
M1 - 1st Progress meeting	September 2022 (T0+9m)	DEL001.1	WP0.1: First Periodic Report on project activities
		DEL003	WP0.1:ASPIS Data Model Specifics, Data Management Plan
		DEL004.1	WP0.1: Technical Specs of pilot ASPIS prototype; Pilot Implementation: Models, Datafiles, Software.
M2 - 2nd Progress meeting	July 2023 (T0+19m)	DEL001.2	WP0.1: Second Periodic Report on project activities
		DEL004.2	WP0.1: Advanced Implementation of ASPIS: Technical specs, Models, Datafiles, Software and Procedures
M3 – 3rd Progress meeting	December 2023 (T0+24m)	DEL001.3	WP0.1: Third Periodic Report on project activities
M4 – Final Workshop	January 2024 (T0+25m)	DEL004.3	WP0.1: Final Implementation of the ASPIS prototype: Models, Datafiles, Software, Documentation
		DEL005	Scientific publications
		DEL006	Final report and presentations of scientific results

DEL 002

1. ASPIS pilot design (Scientific, Functional, System requirements)
(T0+5m)

DELIVERY from **INAF (IAPS)**

With contributes from ALL WPs, especially from:

- WP2100
- WP2200
- WP2300

 Send contributes WITHIN T0+4m

DATA description template (1)

1. Product Specification definition, “repository template(s)” (T0+2m)

WP2310: “Product specification” aims at providing the NODE1000 science data, models and method providers with a general template to describe their intended products for submission.

DESIGN + REALIZATION: **INAF (TS)**

- Provide the dedicated “product specification” template [T0 to T0+2m]

Metadata mapping & Data Management Plan

1. Metadata mapping (T0+5m)
2. Report on the conversion “readiness-level” for each product (T0+5m)
3. Data Management Plan (T0+8m)

WP2310: The collected templated information will form the basis for the CAESAR internal repository of resources.

REALIZATION: **INFN (RM)**

Collect all the product descriptions from WPs in NODE1000 and assess with WP2110 which product is fit for database ingestion. For all said products define metadata and tags and design conversion into the desired format. [T0 + 3m to T0 + 6m]

DATABASE preparation

1. Database Pilot design (T0+5m)

WP2110: “ASPIS Design” has to goal to provide the overall architecture of the backend of the ASPIS thematic science data archive prototype, including database structures, interfaces to ingestion and query, integration of small computation for models and analysis, connections to external computation platforms for highly demanding analysis jobs.

REALIZATION: **INAF (TS)**

- Define the database system requirements [T0 to T0+5m]

IMPELLING ACTIONS

1. Node2000 System Engineer Grants
 - INAF 1.5 FTE
 - UNITOV 1.5 FTE
 - (UNIGE 1.0 FTE)
2. Set up the External Service Calls
 - WP2120: Implementation of the empty Database instance
Start at T0+5m (UNIGE);
 - WP 2130: Products upload
Start at T0+8m (UNITOV);
 - WP2220: Web-based GUI
Start at T0+10m (INAF).

ACTION ITEMS

1. Luca Di Fino to organize a crash course about TEAMS
2. Marco Molinaro to create his Team and start the Design (WP2100)
3. Valerio Formato to create his Team and start the work for data definition template (WP2300)
4. Dario Del Moro to define the 3 tech AR profiles (in collaboration with Monica Laurenza and Federico Benvenuto)