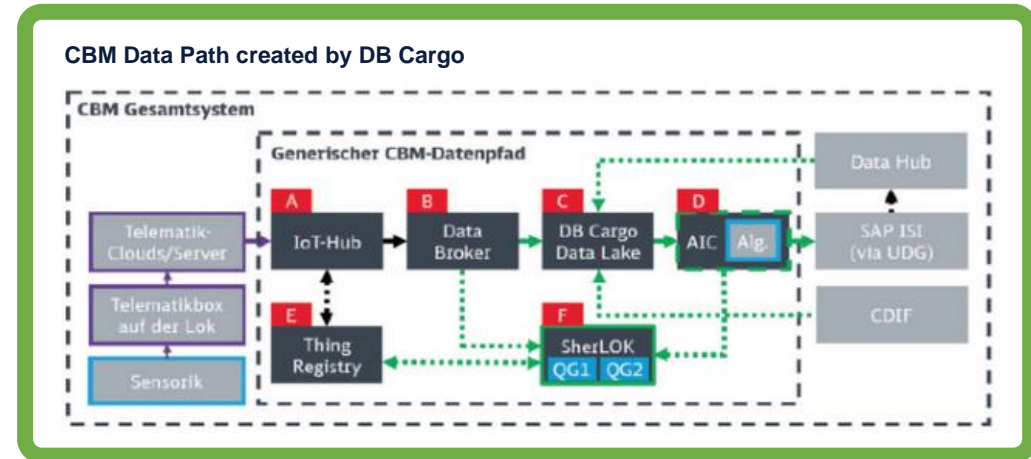




The PRAMS team is in charge to define the strategy, policies, methods, and principles to be followed by the other Tasks and Domains during the design activities as well as to coach and support implementation.

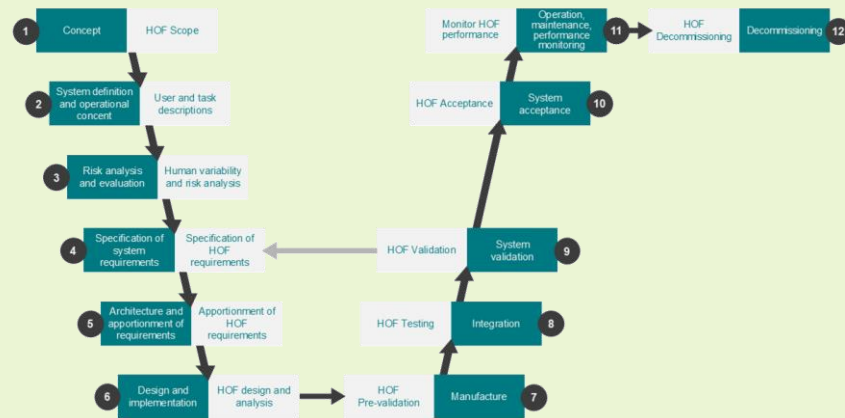
PRAMS domain will focus on:

1. 'Horizontal' activities: Maintain and Evolve what has been developed during the Y1 and Y2
2. 'Vertical' activities: Safety and PRAM works inside the Domains to develop together with the Domains resources the related deliverables.



Human and Organisational Factors Integration steps of the V-cycle

### Including HOF in the V-cycle



The PRAMS Team will focus on developing the following new functions and technical enablers for the **“Harmonized European Rail Operation”** migration plateau

- Small SIL 4 footprint and generic product safety cases
- All other interfaces of the System Pillar Target Architecture, which are perhaps agreed and published at this time, can be used for optional implementations



## Lead STIP Deliverables

- STIP\_79: Modular Safety Case Structure
- STIP\_80: EU Hazard Database
- STIP\_81: Evolution Management in a Modular Architecture
- STIP\_82: creation of MTBSF criteria
- STIP\_83: P- RAM Req. / guidelines
- STIP\_84: CBM Req.

## Deliverables Request for Service (SC2.4)

- D02 Modular Safety Case Structure – Q3 2025
- D03 EU Hazard Database – Q3 2025
- D04 Risk assessment template and safety guideline – Q3 2025
- D05 Evolution Management in a Modular Architecture – Q3 2025
- D06 Support EGNOS Project – Q3 2025
- D07 P- RAM Req./guidelines – Q3 2025
- D08 CBM Req. - Q3 2025
- D09 Human Organizational Factor: - Q3 2025

## Latest Achievements, Challenges and Design Decisions *(to be filled periodically by the domain)*

- **Latest Achievements:** The following achievements have been accomplished by the PRAMS domain:
  - **Achievement #1:** ERJU Hazard Database: integration of Subset-091, 113 and all RSSB CHAMOIS list sub-hazards
  - **Achievement #2:** Risk Assessments: improvement of current FMEA process to cover the analysis of safety barriers and identification of mitigations
  - **Achievement #3:** SC2.3 deliverables: ready for publication, review file ready for external share
- **Domain Current challenges:** The domain is facing the following challenges:
  - **Challenge #1:** Evolution Management: harmonize expectations from Train CS team regarding homologation aspects (under consolidation)
  - **Challenge #2:** Propose a standardized Fault Tree Analysis process for SP with the different knowledge and experience from the PRAMS experts
  - **Challenge #3:** Identify what will be the list of Design Safety Case to be created (for which system level and / or integrated system)

## Expected outcomes for sector review in the next 3 months

### Closeout Phase 2.3

- Document spread outside ERJU and get feedbacks from external reviewers to be integrated into SC2.4 deliverables