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Delft-FEWS
User Meetings 2024

Delft-FEWS Vision & Roadmaps
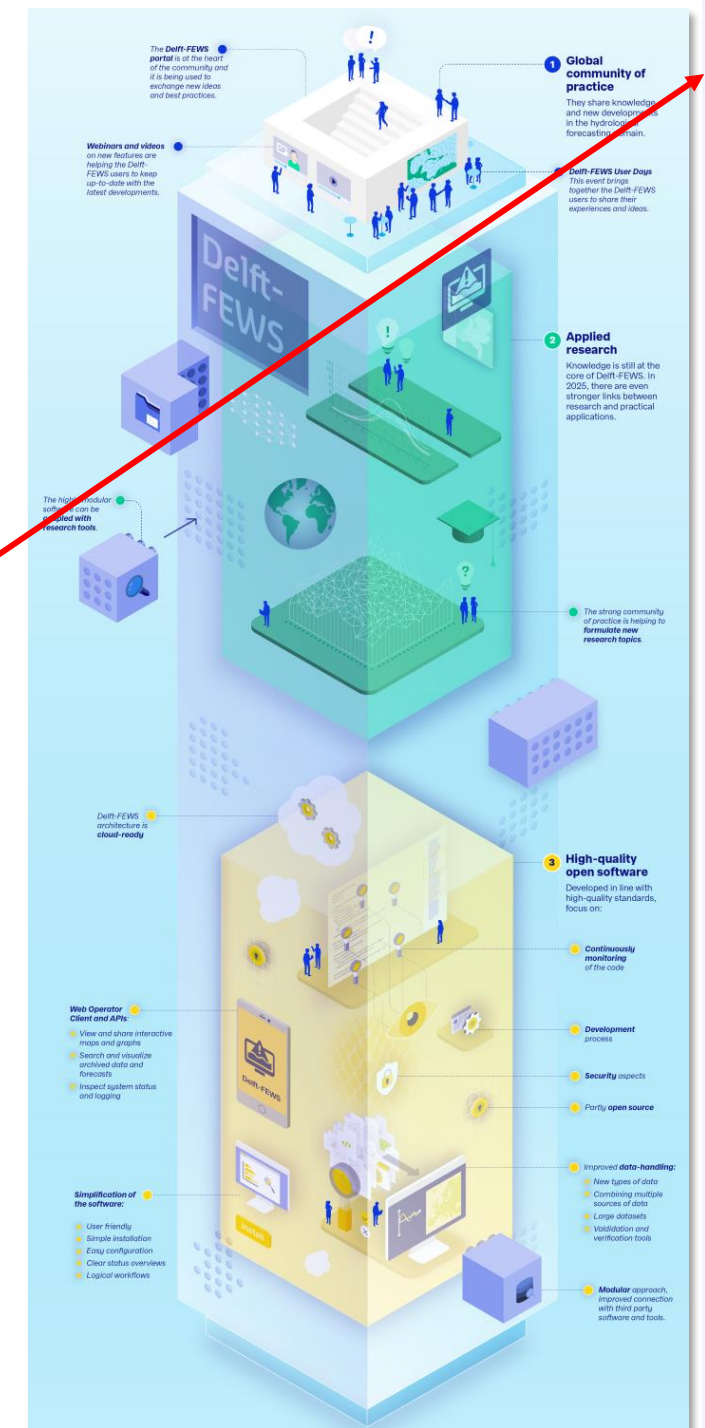
Delft-FEWS Product Management

June 2024

enabling delta life

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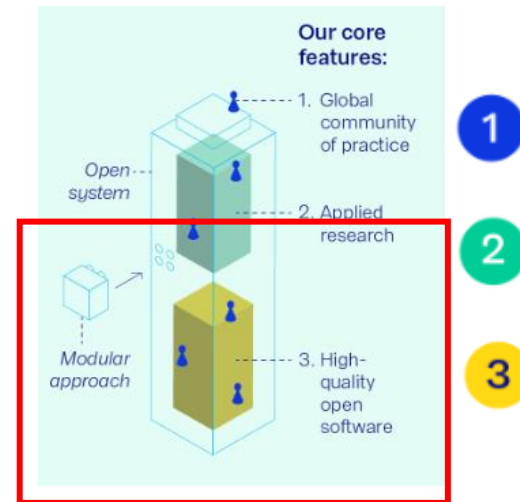 - User questionnaire
- Towards a new product vision

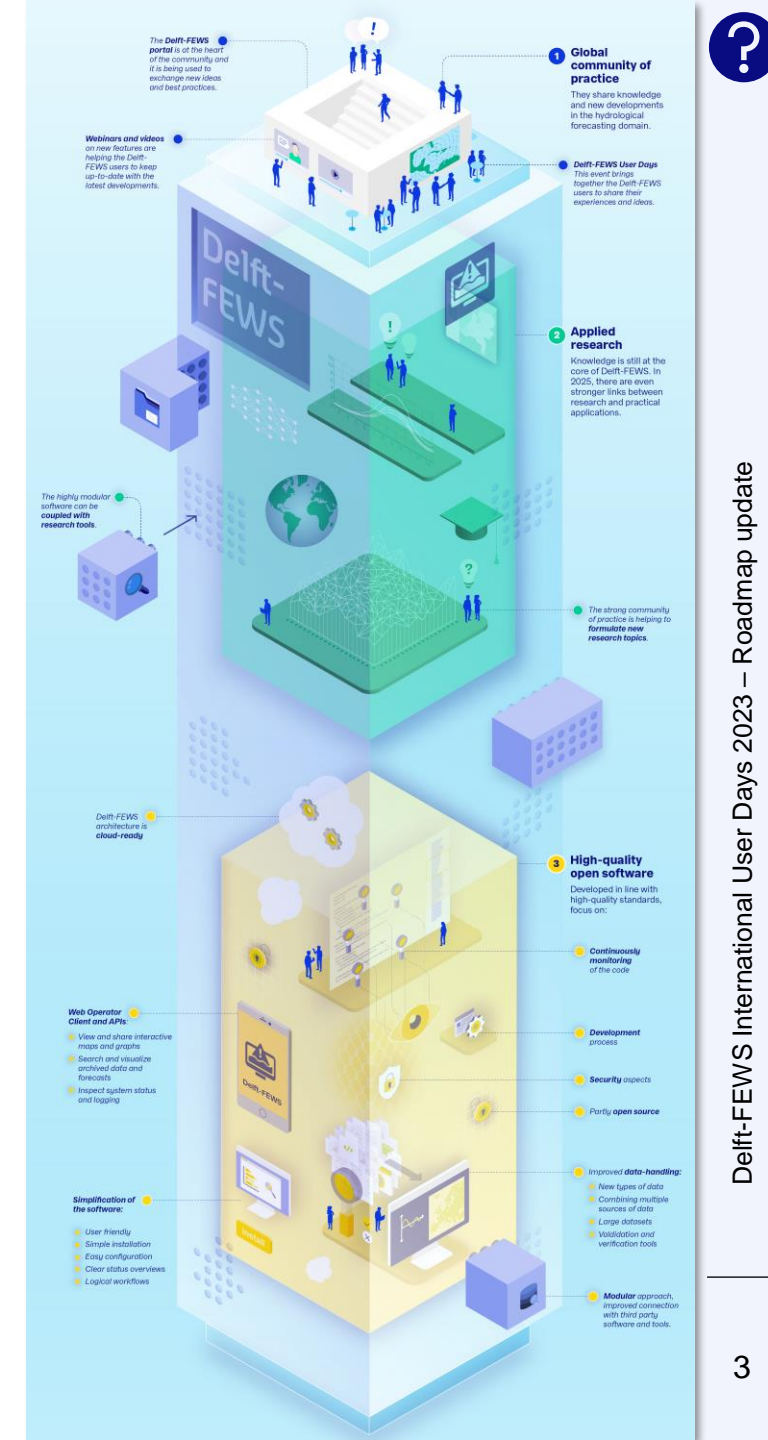**Click this icon for more info…**

Delft-FEWS Vision 2025…

- Delft-FEWS Vision 2025 core features
  - ① Global Community of Practice
  - ② Applied Research
  - ③ High quality open software

- Show and tell…story, presentations and infographic
  - – Delft-FEWS portal
  - – Video
  - – User Days / Events
  - – Updates to the CSB

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Delft-FEWS Vision 2025
Roadmap themes over the years

Roadmap theme	2020	2021	2022	2023	2024
Backlog old roadmaps (vision 2020)		finished			
Code clean-up					•
Code quality				finished	
Release process and test automation					•
Security				finished	
What-if scenario's / computational framework					•
Cloud developments					•
Python integration					•
Web Operator Client				MVP	•
Open Archive		MongoDB		new vision	•

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Roadmap 2024

Theme	1 Global Community of Practice	2 Applied Research	3 High quality open software	Budget (k€)
Code clean up			•	25
Release process and test automation			•	25
Cloud developments	•		•	35
What-if scenarios		•		20
Python interaction		•		
Web operator client	•		•	70
Open Archive		•	•	45
Consistent configuration	•		•	15
Delft-FEWS vision 2030	•	•	•	45
Total	**4**	**4**	**7**	**280**

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Roadmap themes in more detail

Theme*	Examples or main activities
Code clean up	Keep up pace with code refactoring based on thorough migration plans
Release process / test automation	Per release, automate laborious tests. Example Pilot Explorer
Cloud developments	Keep up-to-date with Azure, explore AWS services and expand to Docker/Kubernetes
What-if scenarios	Adjacent to projects complete and mature the what-if scenarios
Python interaction	Skipped in 2024
Web operator client	Adjacent to projects, contribute to new developments, robust testing and product organisation
Open Archive	Redesign and implement internal storage solution/architecture enabling openness and data science
Consistent configuration	Explore possibilities and tools enabling Deltares employees, consultants and end-users learning, understanding and applying most recent configurations and benefit from each other
Delft-FEWS vision 2030	Generating, collecting and managing input for the new product vision

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*other themes like: code quality and security 'moved' to business as usual…

Timeline of ongoing Product Visions
Context and coherence with other product visions in our PMT

Roadmaps 2020

Vision 2025

RM 20 | RM 21 | RM 22 | RM 23

Roadmap 2024

Evaluation Vision 2025

Next Vision

CSB inititiated

Vision update EMTO

´15   ´20   ´24   now   ´25   ´29

Delft-FEWS
Open Archive
Web OC

Product vision

Roadmap M1-M2

go-no go

Roadmap M3-M5

development roadmap

MVP

Roadmap ´24

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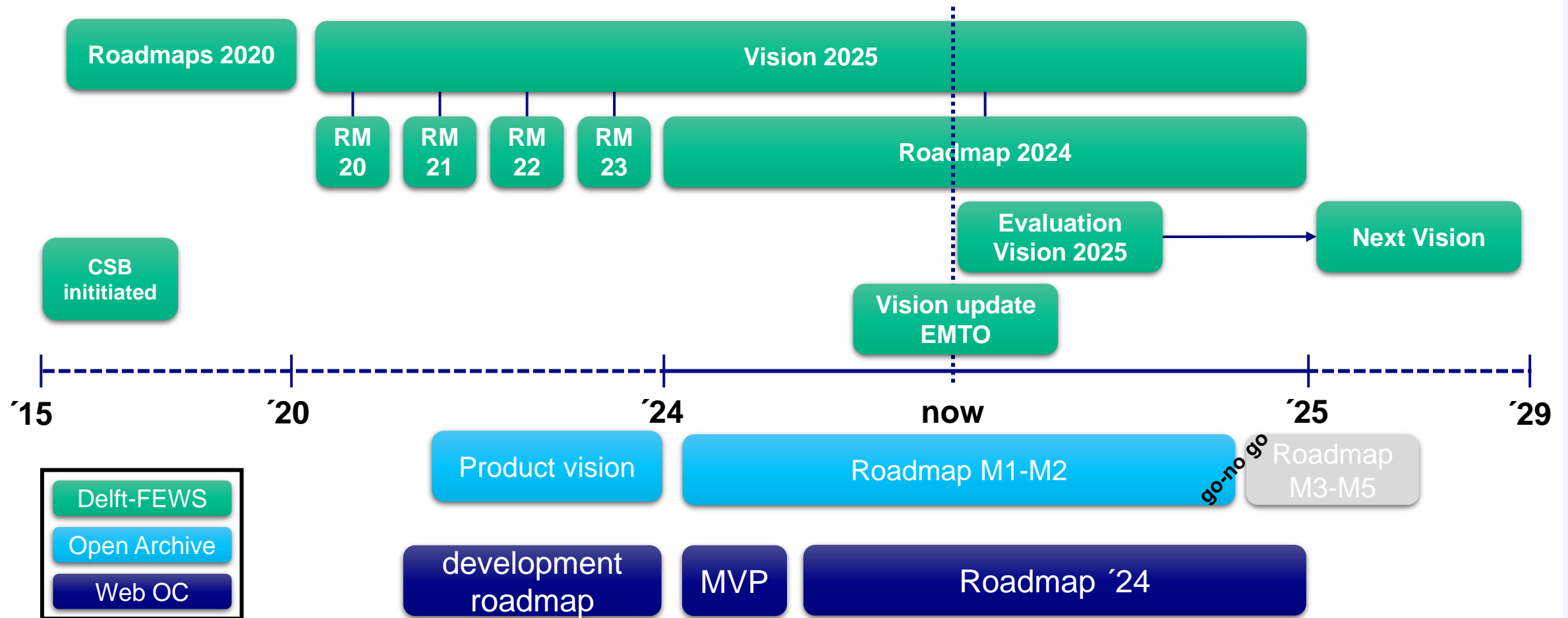
Other ongoing product visions
Open Archive

- **Open Archive** vision document (end of 2023) decribing:
  - (short term) performance & usabililty improvements
  - Considerations for redesign of 'internal' storage solution/architecture by creating more openness enabling data-science
  - (longer term) implementation of this new design and support migration of clients

- **Current status** (June 2024)
  - Performance & usability improvements done for 2024.01
  - Identified remaining developments (client-server system & open archive dependencies and interactions) to be implemented in 2024.02
  - New internal storage solution / architectural design is done: next steps discuss, elaborate & estimate.

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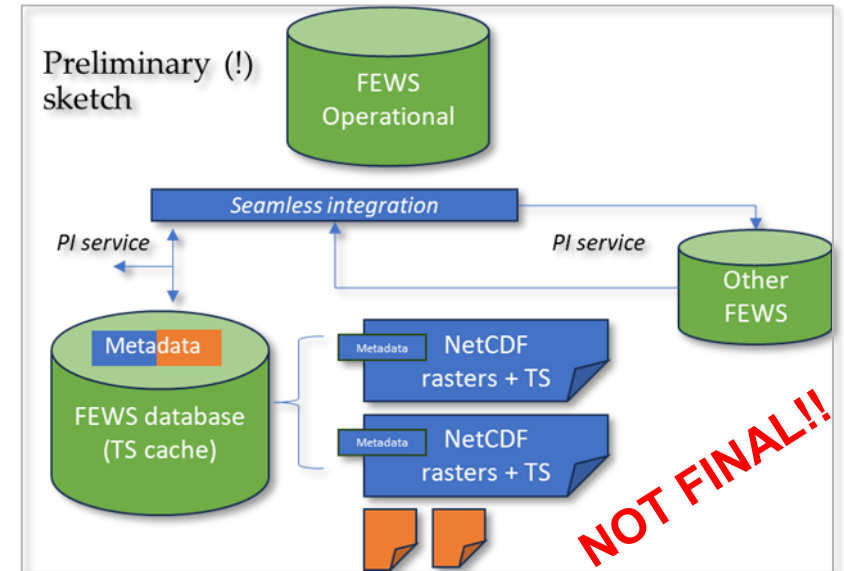
Other ongoing product visions
Web Operator Client

- **Web OC MVP** launched in Jan 2024: WebOC is now part of the Delft-FEWS Product Suite!

- Long-term product **vision not yet** available

- **Roadmap 2024**: prioritized list of development themes & domains
  - A lot of (international) interest for new features
  - Component of S&M contract
  - Alignment strategy with Delft-FEWS – FEWS Webservices – Web OC
  - Continued attention for security, performance, testing & deployment
  - Course material: work-in-progress
  - Code contributions by community: to be investigated

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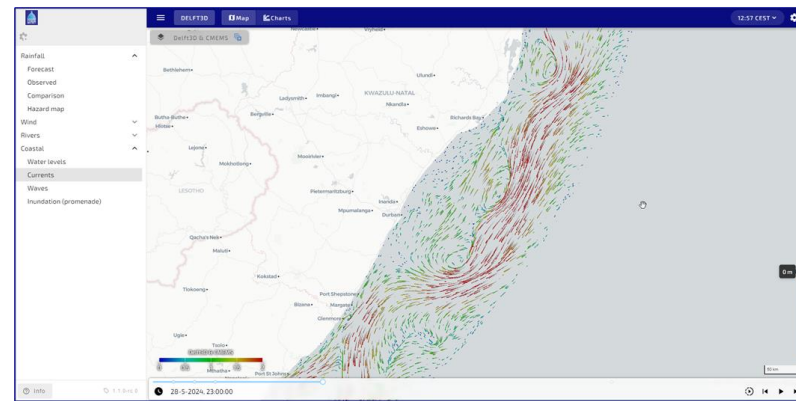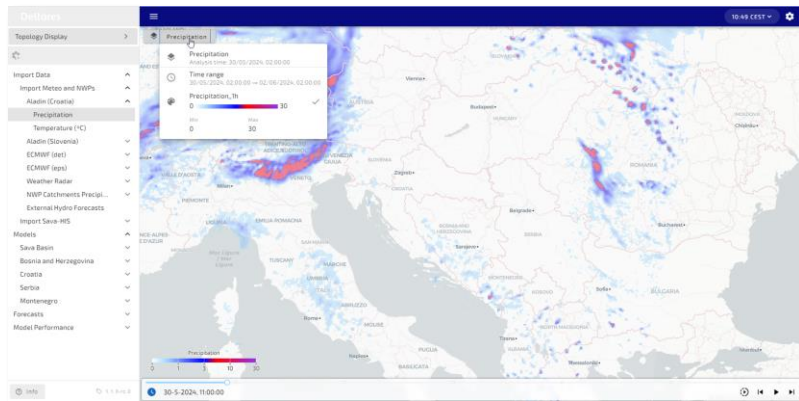
Web Operator Client
Developments (more details)

Developments 2024

- Run tasks from Web OC

- Show Delft-FEWS reports in Web OC

- Extend options to view historical data

- Support for multi timezones

- Custom CSS configuration: fonts, menu color etc

- Show threshold crossings, icons

- Add/Edit scalar data in table

- Improved visualisations for mobile devices

Future Developments

- Coupling Schematic Status Display to Topology

- Coupling System Monitor to Topology

- Simplify use of permissions

- Show location attribute/meta data

- Explore new alternatives for graphs

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Towards a new product vision

- Current product vision is in its last year…

- All software products (@Deltares) require one…

- For Delft-FEWS: input will be a combination of:
  - Our international user community
  - External trends & technologies
  - Deltares ambitions

- Will apply to the whole Delft-FEWS product suite (so including Open Archive and Web OC)

- Objective: present the outline of new vision during the Delft-FEWS International User Days in november 2024

Deltares Ambitions (Moonshots & department strategies)

Delft-FEWS

Technology & Trends (AI, Cloud, EO data lakes, digital twins,digital services)

(Inter-) National Community of **clients**

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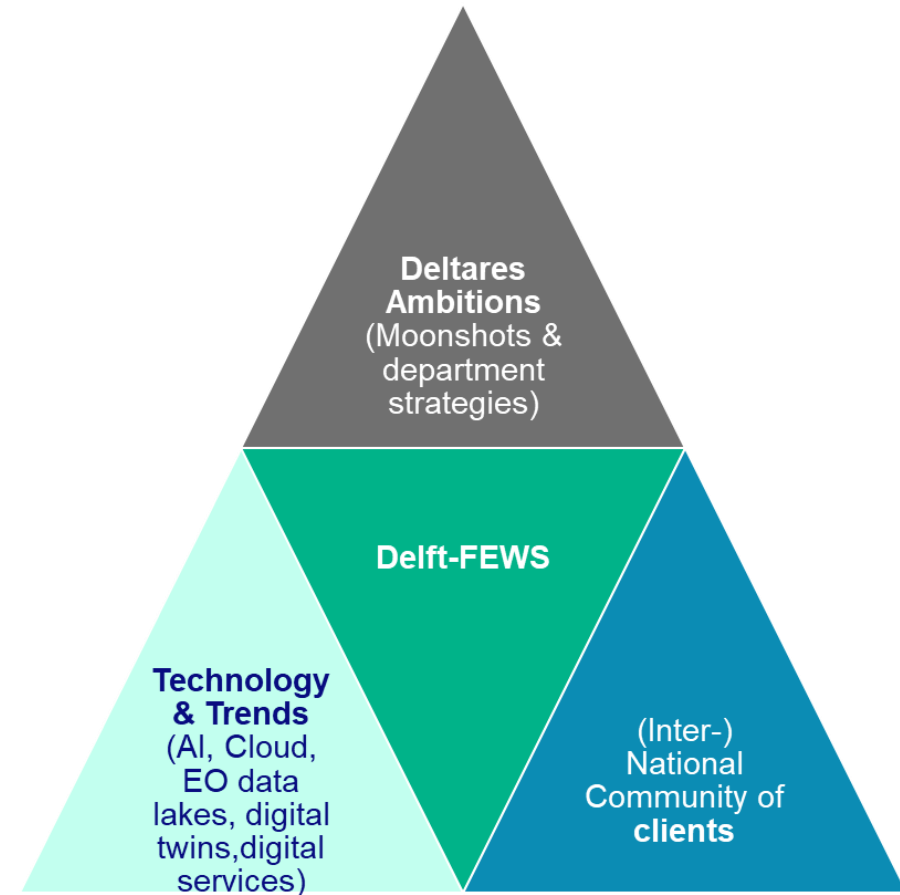
Towards a new Delft-FEWS vision…
Successor of current *Delft-FEWS 2025* vision

Evaluate & share (Q1-Q2 2024)

- What did we accomplish?
- What did we learn?
- What should change?
- …
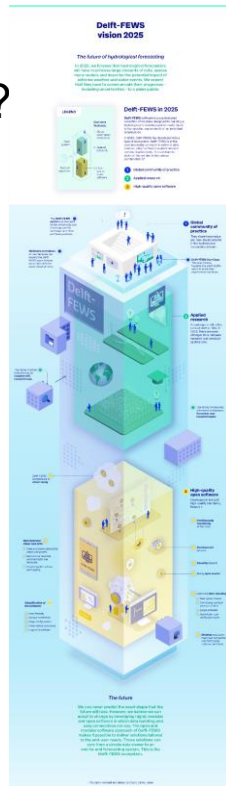
Create a new product vision (Q3-Q4 2024)

dev-team &
internal users

CSB

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management
& strategies

external
guidance
(process)

stakeholders

technologies

current
functionality
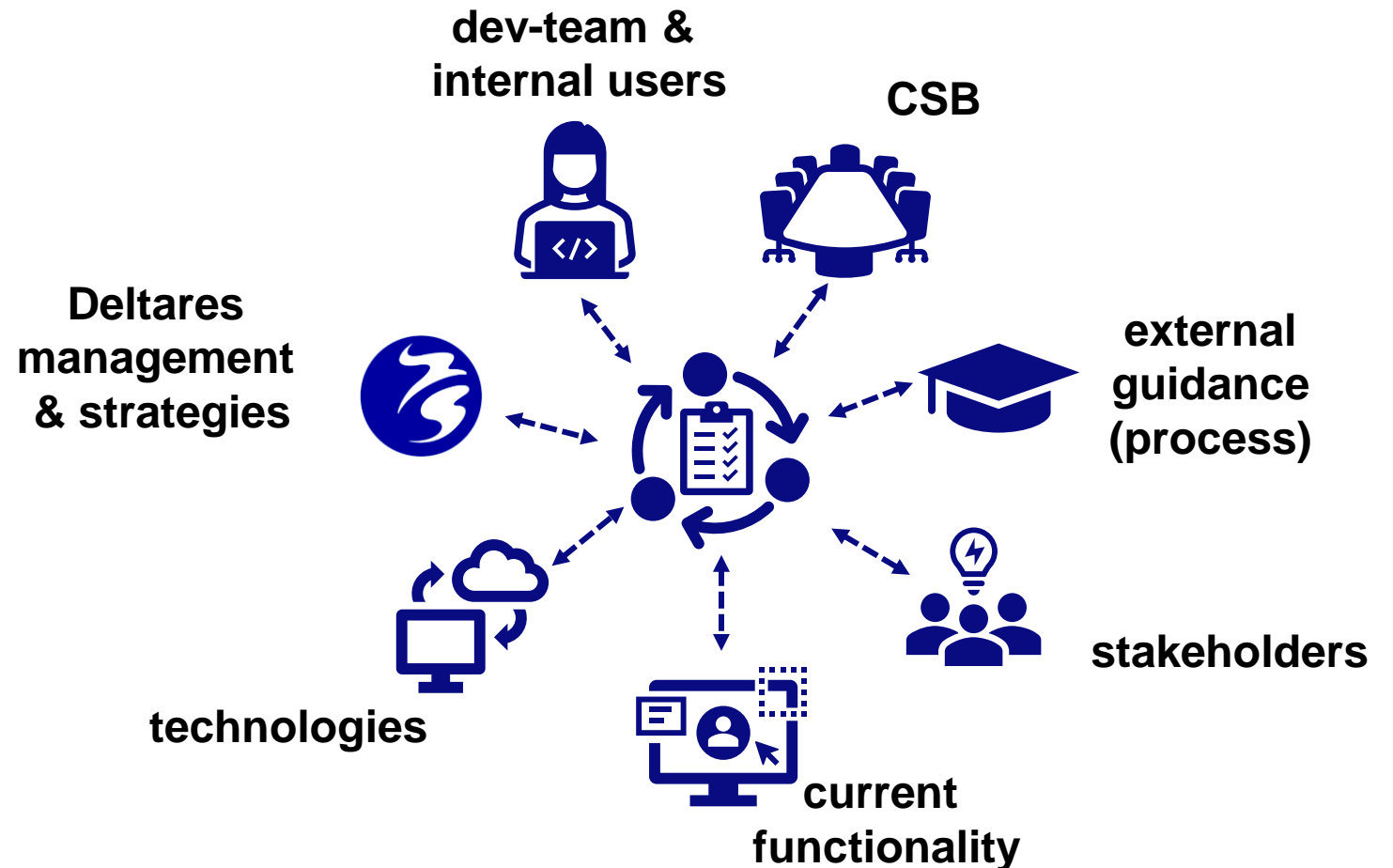
Delft-FEWS Vision 2025
Evaluation

- Format: Microsoft **Form**

- Starting with a **summary** of the plans

- Overview of **achievements**

- **12 questions** (open and multiple choice)

- CSB, S&M clients (personal replies!)

- **Distribution**: End of June 2024

Product Oriented Working

- Deltares defined 5 product lines
- Each product line has multiple products
- Per product fixed team
- FEWS team has 9-10 developers
- Product Owner per product
- Agile working process
  - Sprints (3 weeks)
  - Continuously improving

2021-2022　**2022-2023**　**2022-2024**　**2023-2025**　**2025 –**

We are Smart Co-creators

We have platforms for co-creation

Smart software

We work in an agile and product-oriented way

FAIR data & The cloud

We have more and more impact with **computational sciences.**
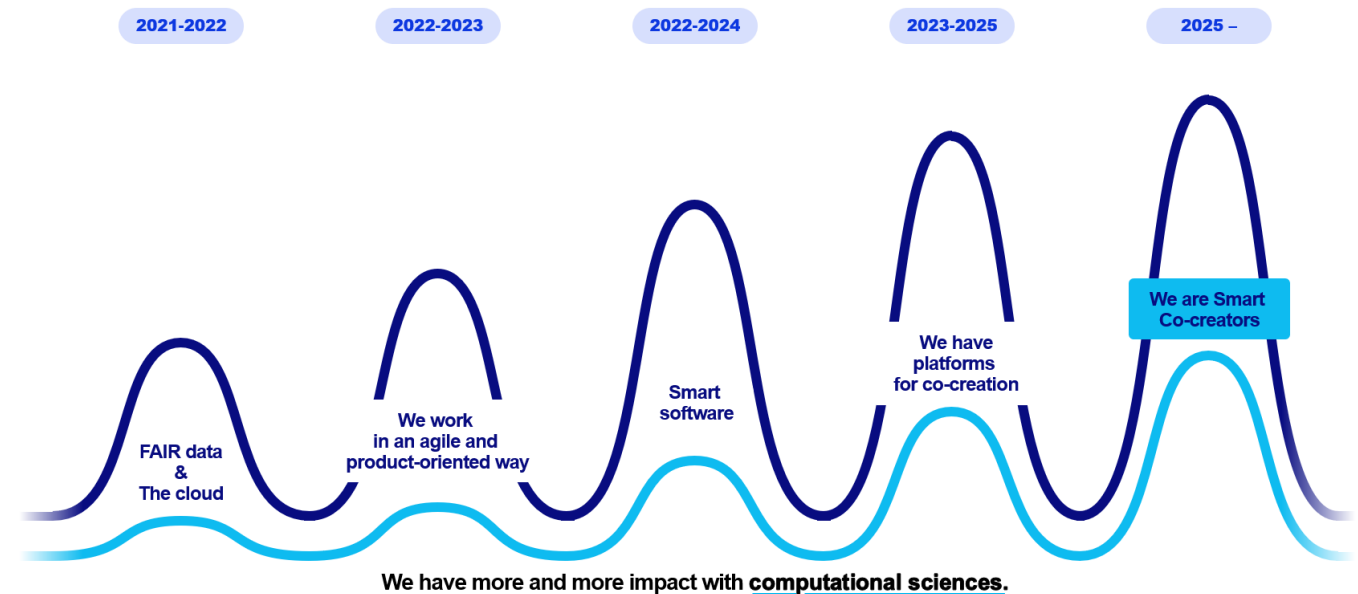
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Questions…

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Contact

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