PSI IT – 3rd IT Quarterly Info 08/2023

Agenda

Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
11.30 – 11.45	Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services	Ronny Peterhans
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

Registration process via Indico

- Indico is an established standard platform at PSI for managing events
- The mindset is, only those who participate have to register for the event (participation is mandatory for AIT employees) and in case of later non-participation, they also have to cancel their registration.
  - Planning basis for catering
  - Those who cannot come do not have to do anything
  - The changeover took place in parallel operation, so that the original appointment blocker was still available in Outlook
- We pass on feedback on functionality to Application Management
  - Error with calendar entry and reply
  - Language DE
- The mandatory query on topic contributions was deliberate in order to get results

Agenda

Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
11.30 – 11.45	Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services	Ronny Peterhans
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

General Update – DIRK (Federal Gov)

- On 2 June, the **Swiss Roadmap for Research Infrastructures 2023** was published, presenting new national infrastructure projects that the universities and the ETH Domain intend to implement as a priority in the years 2025-2028, such as the HIPA upgrade project IMPACT (as well as SDSC+, EM-Frontiers).
  https://www.sbfi.admin.ch/sbfi/de/home/forschung-und-innovation/forschung-und-innovation-in-der-schweiz/schweizer-roadmap-fuer-forschungsinfrastrukturen.html

General Update – DIRK (Federal Gov)

- Various **parliamentary motions urge the Federal Council to answer questions regarding the ERI funding framework and Horizon Europe**, for example: (i) "Verhinderung einer Stagnation bei den Investitionen in Bildung, Forschung und Innovation; Interpellation (23.3690) von Nationalrätin Judith Bellaiche (GLP)" (new, not yet answered), Submitted 14 June 2023, https://www.parlament.ch/de/ratsbetrieb/suche-curia-vista/geschaeft?AffairId=20233690
  (ii) "Horizon 2021-2027 and non-association of Switzerland. Supplement procedures to safeguard research and innovation in Switzerland" NR F.Fivaz (Green Party of Switzerland), the National Council adopted this proposal by 117 votes to 65 with 5 abstentions. The Federal Council had recommended that the motion be rejected. The matter now goes to the Council of States. https://www.parlament.ch/de/ratsbetrieb/suche-curia-vista/geschaeft?AffairId=20214214

  An overview of political issues affecting the HERI sector can be found here https://www.netzwerk-future.ch/index.php?p=parlamentarische-geschaefte with the option of subscribing to newsmail.

General Update – DIRK (External)

- The board of directors of **Zwilag** Zwischenlager Würenlingen AG (Zwilag) has appointed **Bruno Ulrich** as its new managing director. He succeeds Ronald Rieck. https://www.zwilag.ch/upload/cms/user/20230614_MM_Ulrich_DEFINITIV1.pdf

- The Swiss Academies of Arts and Sciences are launching the **National Open Research Data Prize** (ORD Prize). This new prize is intended to recognise researchers for innovative practices in this area and aims to drive the shift towards open research practices. In 2023, the theme of the National ORD Prize is **"Reusing Research Data"**. Applications are open until **31 August 2023.**

General Update – DIRK (ETH Domain)

- On 24 May 2023, the Federal Council elected **Pascale Bruderer as Vice-President of the ETH Board.** She will take office on 1 January 2024, replacing the current Vice-President of the ETH Board, Barbara Haering, who will retire at the end of 2023. https://www.admin.ch/gov/de/start/dokumentation/medienmitteilungen.msg-id-95393.html

- At its meeting on 24/25 May, the ETH Board **appointed** the following **PSI employees as professors:**
  - **Christian Wäckerlin** (Project Leader in the Molecular Nanoscience Group, PSD) to Assistant Professor of Physics at EPFL (SNSF Eccellenza Professorial Fellowship). He will carry out his project at PSI.
  - **Cristina Müller** (Group Leader Radionuclide Chemistry, BIO) appointed Titular Professor at ETH Zurich (Dept. Chemistry and Applied Biosciences)

General Update – DIRK (ETH Domain)

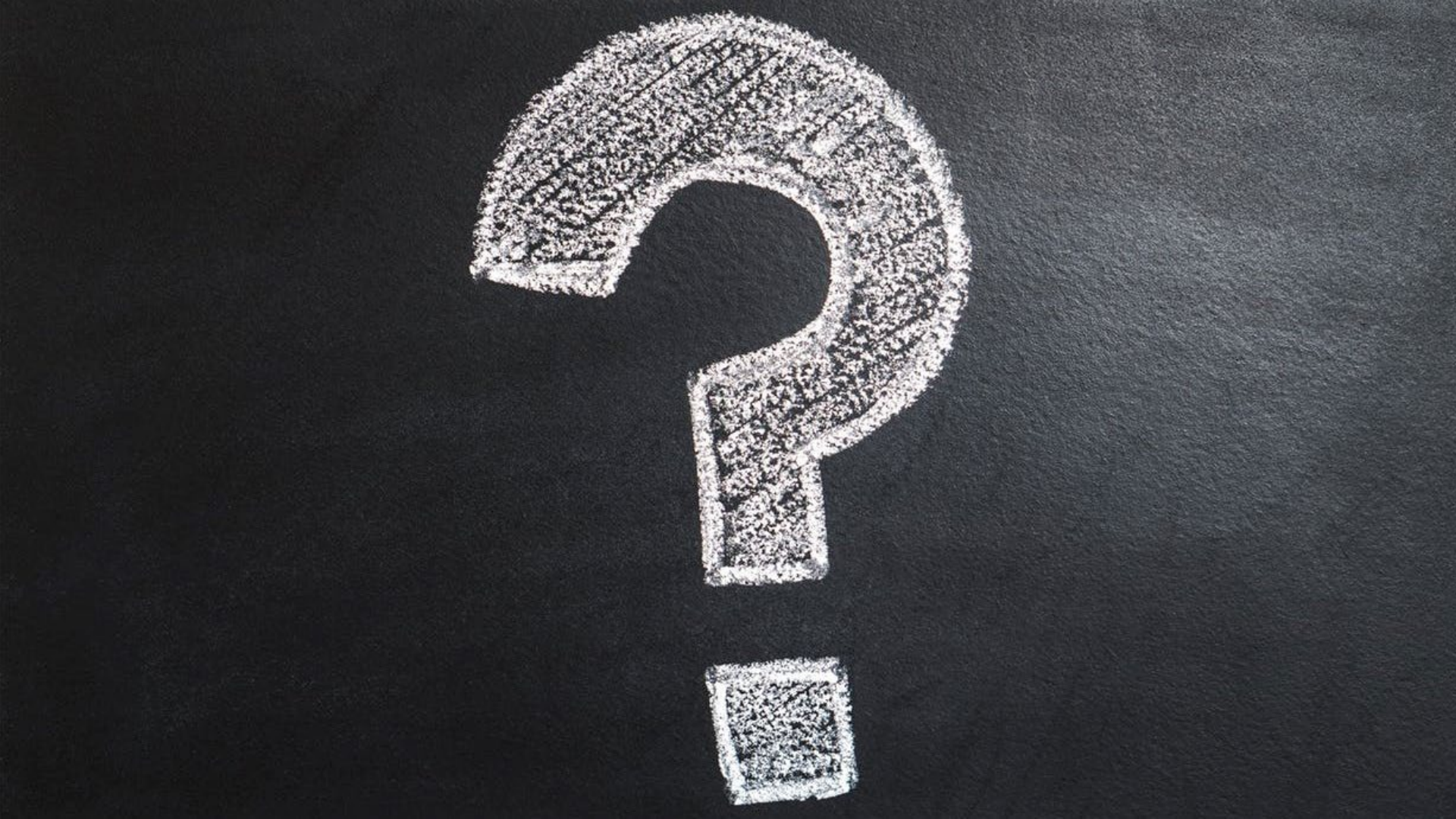
- By **releasing minimal reserves of the ETH Board,** the budgets of the institutions can probably be relieved by a further 0.5% (12 MCHF) in 2024. However, the budget outlook remains far below the additional costs due to inflation and the salary measures, which are not compensated by the Confederation. The PSI must therefore adhere to the agreed savings measures for 2024.

General Update – DIRK (PSI & Research funding)

- On 23 May, the **annual meeting of the directorates of the four research institutes took** place at Eawag. The progress of the **ENRICH** project was presented, a contract for the future joint 4RI education centre (lead campus) was signed and the structure of the ETH Domain was discussed. The PSI was represented by the Director and the Division Heads Peter Allenspach, Alex Amato and Andreas Pautz.

- The **PSI 2-day retreat** will take place in Ittingen from 4-5 September 2023 (participants: all DIR, BL, LL/AL). The topics to be discussed include strategic developments at PSI and in the ETH Domain, PSI development plan 2025-2028, employee survey 2019 review/measures and outlook on the planned survey of 2024.

- **The 2nd PSI Leadership Day** took place on the afternoon of 6 June. The 5-hour event is important for PSI in view of the upcoming challenges regarding the budget and major projects and to promote the very important close cooperation between our various scientific, technical and administrative units. With around 250 participants, the various disciplines were well represented.



Agenda

Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
11.30 – 11.45	Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services	Ronny Peterhans
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

Information Head AIT (1/3)

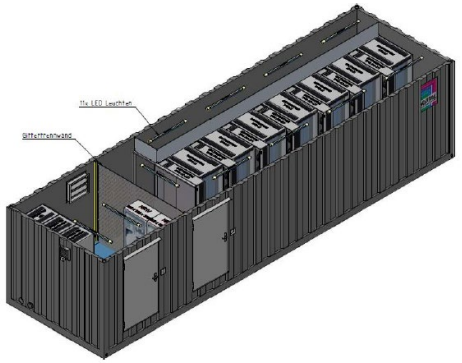
- **General Information**
  - **AARC TREE** EU-project request approved
    - **A**uthentication and **A**uthorisation for **R**esearch **C**ollaboration **T**echnical **R**evision to **E**nhance **E**ffectiveness
  - **CobIT** Controls for ServiceNow released in PB-9540-682/3
  - New **composition** of IT **apprentices**
    - 1x Application Developer EFZ (instead of 2)
    - 1x Platform Developer EFZ
    - 1x ICT Specialist EFZ (ICT Fachmann-/frau) (new)

Information Head AIT (2/3)

- **General Information**

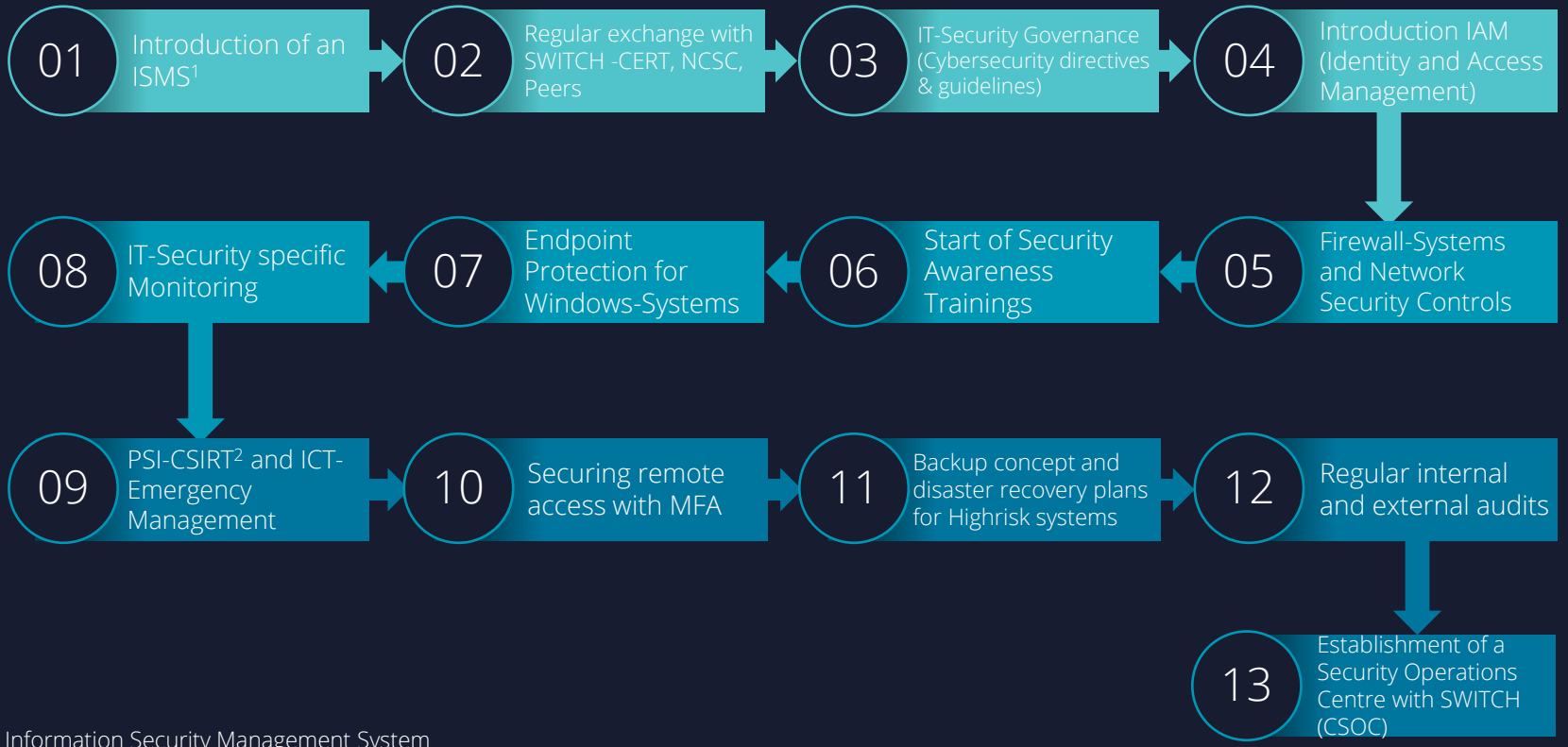
  - **ITSM** Workshop 2023 – Process improvements triggered for
    - Changemanagement
    - Identity & Access Management (IAM)
    - Knowledgebase Management
    - Incident Management
    - Demand Management
  - **Kick-off ACE – A**IT-**C**ontrols **E**xchange to strengthen the collaboration
  - **SWITCH – new president** of the foundation from 01.01.2024 Alexandre Gachet (Uni Fribourg); Vice President Thomas Sutter (Uni Zurich)
    - I will stay the representative of the 4 RI's of the ETH domain

Information Head AIT (3/3)



- **Projects (Update)**
  - **Datacenter-Space** / Solutions like Containers will be checked
  - **CSCS Georedundant Tape Library @PSI**
  - **Gitlab** Roadmap
  - **UCaaS (Unified Communication as a Service – Replacement DECT telephony)**
    - Inhouse Mobile
    - Teams Rollout (VC & chat for everyone, telephony along the rollout plan)
  - **PM@PSI – Pilot phase**
  - ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services **(RISE-IT)**
  - **Security Measures**
    - **MFA Fast-Track Introduction (16.06.2023)**
    - Cyber Security Program – **GUARDIANS** (see next slides)
  - and many, many more

Implemented Cyber Security Measures PSI



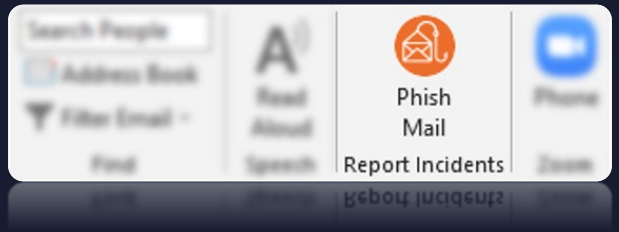
- ISMS[1] Information Security Management System
- CSIRT[2] Cyber Security Incident Response Team

06 Start of Security Awareness Trainings

MetaCompliance Phish Reporting Outlook Plug-in

Metacompliance Phish Report Plugin

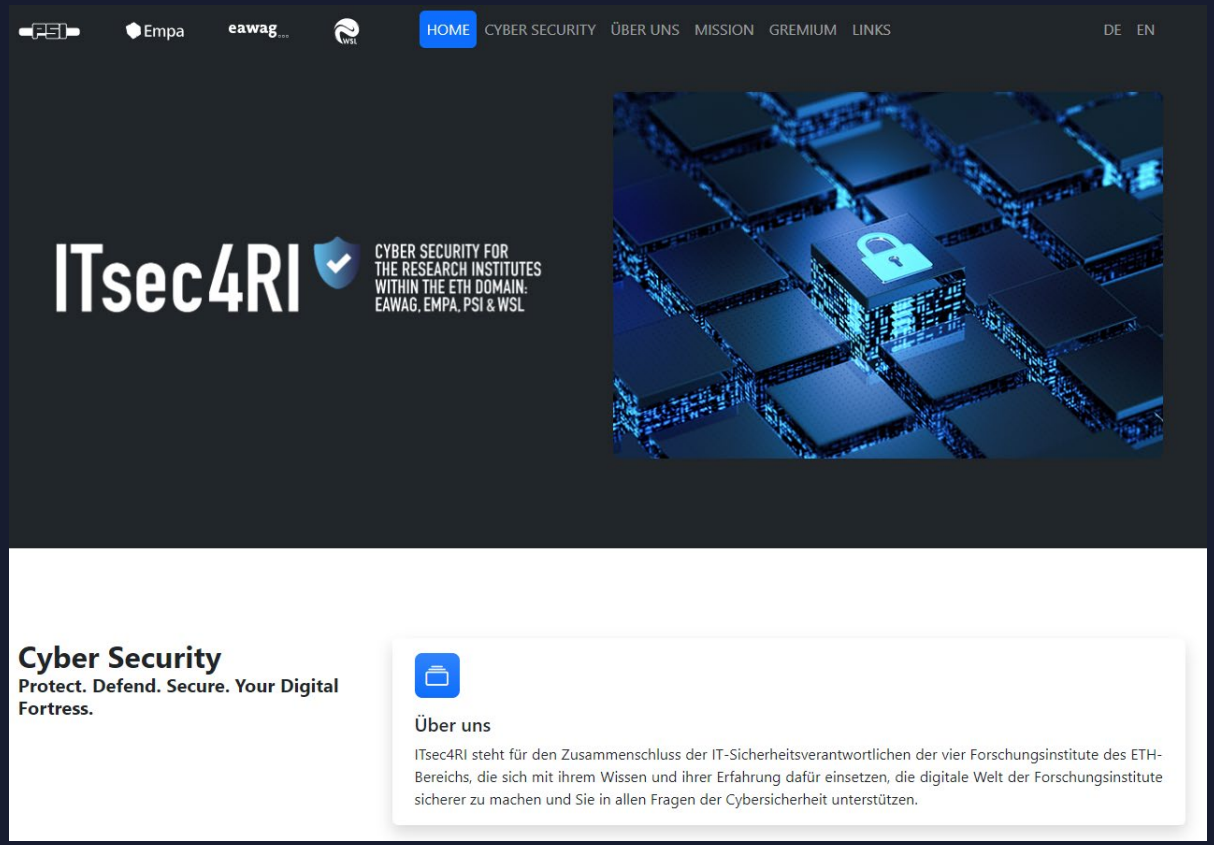
Here is the latest version of the instructions for using the Phishing Report button:



https://psi.service-now.com/now/nav/ui/classic/params/target/kb_view.do%3Fsys_kb_id%3D05f625ed87f875100a9131940cbb3556

02 Regular exchange with SWITCH -CERT, NCSC, Peers

https://ITSec4RI.ch



Risk assessment PSI internal

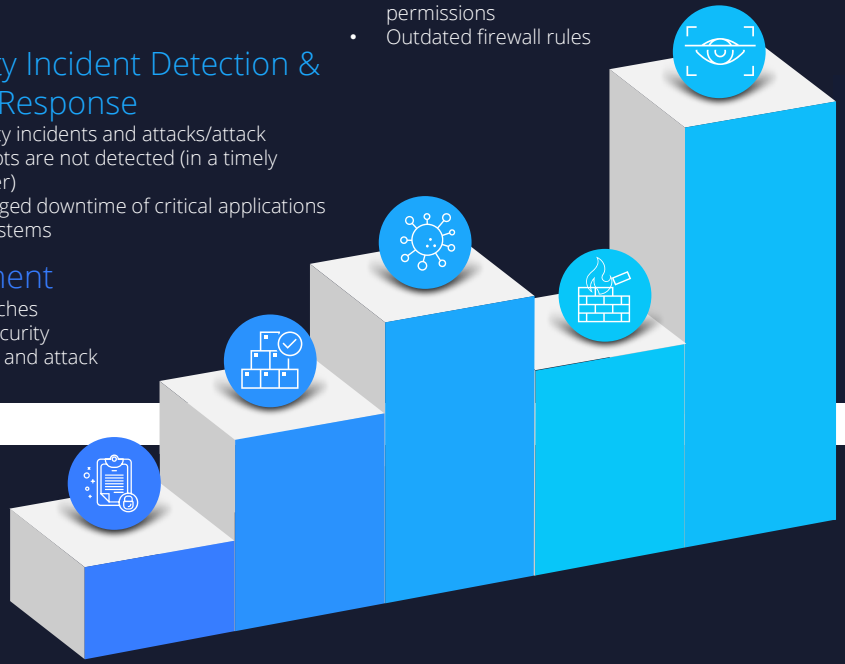
Vulnerability-Management
Vulnerabilities are not identified and remedied (in a timely manner)

Access-Rights & Firewall Rules
- Misuse of access permissions
- Outdated firewall rules

Security Incident Detection & Cyber-Response
- Security incidents and attacks/attack attempts are not detected (in a timely manner)
- Prolonged downtime of critical applications and systems

IT-Asset Management
- Lack of updates and patches
- Reduced control over security
- Increased attack surface and attack vectors

Guidelines & Policies
Limited knowledge and implementation of existing guidelines and policies



Biggest challenges at PSI:

- There are several (IT) units with partly different needs
- Trade-off between governance and implementation expertise/resources
  → *risk-based approach*

- Paper only provides limited protection against security incidents
- Consideration of the constantly changing threat situation

"**GUARDIANS**" - Guaranteeing Uncompromised Academic and Research Data Integrity And Network Security

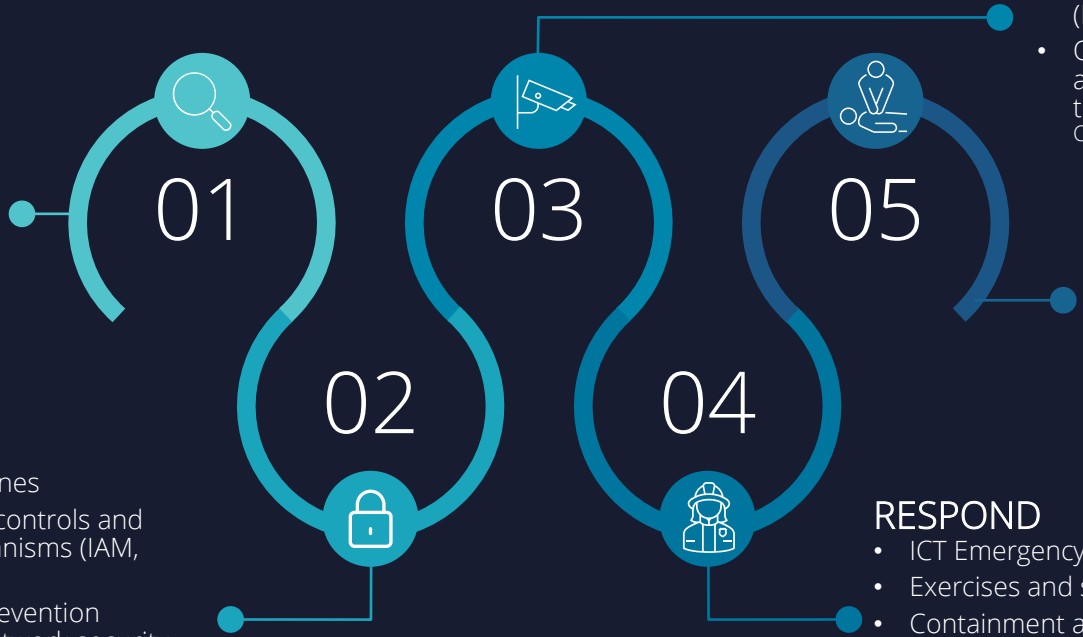
GUARDIANS

IDENTIFY

- Assessment of values, systems and data
- Change management process
- ISMS as a risk management framework
- Risk assessments
- Contact with SWITCH-CERT/-CSOC, NCSC and peers from the community

PROTECT

- Directives and guidelines
- User profiles, access controls and authentication mechanisms (IAM, MFA, ZTNA)
- Firewalls, intrusion prevention systems and other network security controls (NAC)
- Data encryption
- Awarenesstrainings



Generally a risk-based approach!

Ongoing re-prioritization based on changing risks

DETECT

- Security monitoring tools
- Intrusion detection systems and protocol analysis
- Malware detection
- Incident response procedures (PSI-CSIRT)
- Ongoing vulnerability assessments and penetration tests

Community-Security-Operations-Center

RECOVER

- Backup- and Disaster-Recovery-Plan
- Tested backup and recovery procedures
- Checks after an incident

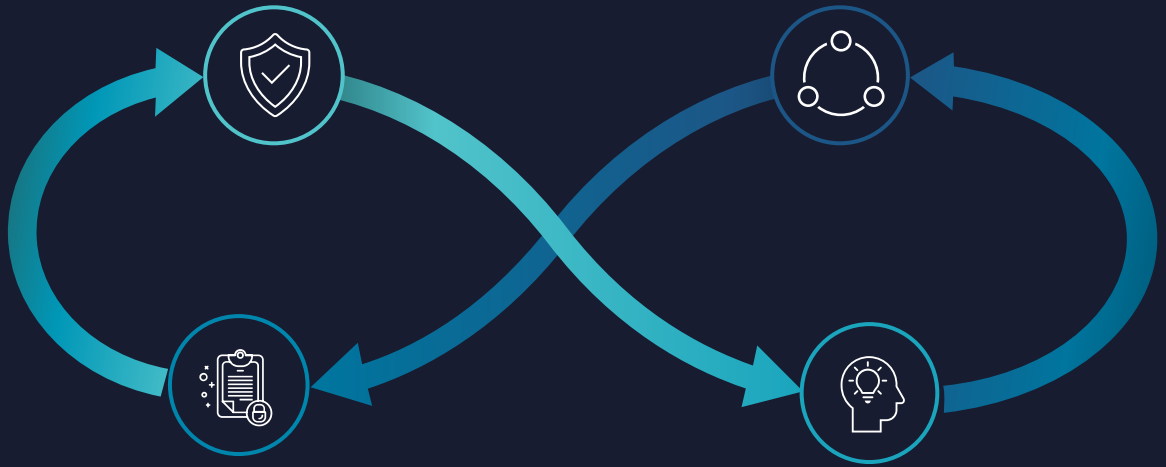
RESPOND

- ICT Emergency Management
- Exercises and simulations
- Containment and mitigation of the impact of security incidents
- Liaison with relevant stakeholders, law enforcement and third-party vendors

Continuous Improvement

Security controls, policies, and procedures are regularly reviewed and updated to reflect new technologies, industry standards, and evolving threats.

We stay abreast of the latest security threats, trends and best practices by continuously monitoring industry reports and participating in relevant communities.

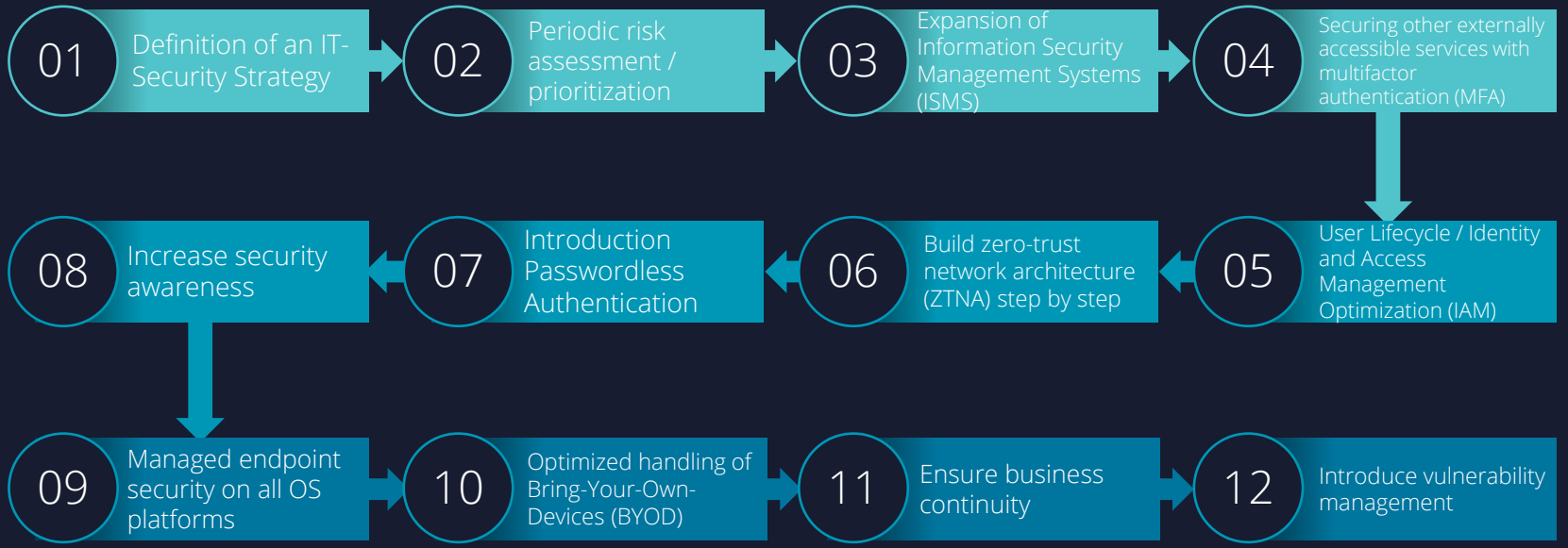


Audits and assessments are conducted regularly to evaluate the effectiveness of the safety strategy and ensure compliance with relevant regulations.

A culture of continuous learning and improvement is fostered by providing ongoing safety training and awareness programs for employees.

Necessary Cyber Security Measures PSI

(not final)



Together for a safe PSI!

GUARDIANS

Lower Prices of IT Devices

IT Arbeitsplatzgeräte Standard (Notebook, Workstation)

Global IT Offerte vom 14.04.2023 (1035814)

Modell	Konfiguration	Stückzahlen / Jahr	Prognose Stückzahlen / Jahr bis 2025 aufgrund von Migration*	Tranchen / Jahr	Preis Alt exkl. MWST	Preis Neu exkl. MWST	Differenz in Prozent	Differenz Summe
EliteBook 840 CH	EliteBook 840 G9 SureView Keyboard CH	170	330	2-3	CHF 1’401.40	CHF 823.30	41.25%	CHF 98’277.00
EliteBook 840 EN	EliteBook 840 G9 SureView Keyboard Intl Eng	80	160	2-3	CHF 1’401.40	CHF 823.30	41.25%	CHF 46’248.00
Thunderbolt Dock G4 120 W	HP Thunderbolt Dock G4 120W, vPro, PXE Boot,	250	490	2-3	CHF 180.00	CHF 109.40	39.22%	CHF 17’650.00
ZBook Studio CH	ZBook Studio G9 Keyboard CH	50	50	2-3	CHF 2’526.80	CHF 2’151.50	14.85%	CHF 18’765.00
ZBook Studio EN	ZBook Studio G9 Keyboard Intl Eng	25	25	2-3	CHF 2’526.80	CHF 2’151.50	14.85%	CHF 9’382.50
Thunderbolt Dock G4 280 W	HP Thunderbolt Dock G4 280W Combo Cable, vPro,	75	75	2-3	CHF 242.00	CHF 151.00	37.60%	CHF 6’825.00
Elite mini 800	Elite Mini 800 G9 35W	60	175	2-3	CHF 873.72	CHF 621.20	28.90%	CHF 15’151.20
Z2 Tower	Z2 G9 Tower	190	380	2-3	CHF 1’328.19	CHF 1’096.00	17.48%	CHF 44’116.10
						voraussichtliche Einsparung PSI gesamt		**CHF 256’414.80/Jahr**

The old prices (offer manufacturer HP with subaccordant Global IT AG) were questioned by AIT. Therefore, clarifications and negotiations with the BIT/BBL, the ETH and the manufacturer HP have taken place in recent months. This has resulted in a new offer.

Further clarifications on the prices charged by Global IT AG in the last 4 years are being worked on by AIT and AFD. Afterwards a debriefing with the offering parties will take place.

Negotiations are also currently underway with the BIT/BBL regarding monitors, which will result in further potential savings for PSI.

* In view of the Windows 11 migration in 2024/2025, many more devices will have to be replaced than the normal annual requirement, which is favored by the 40% reduction from the hourly base model.

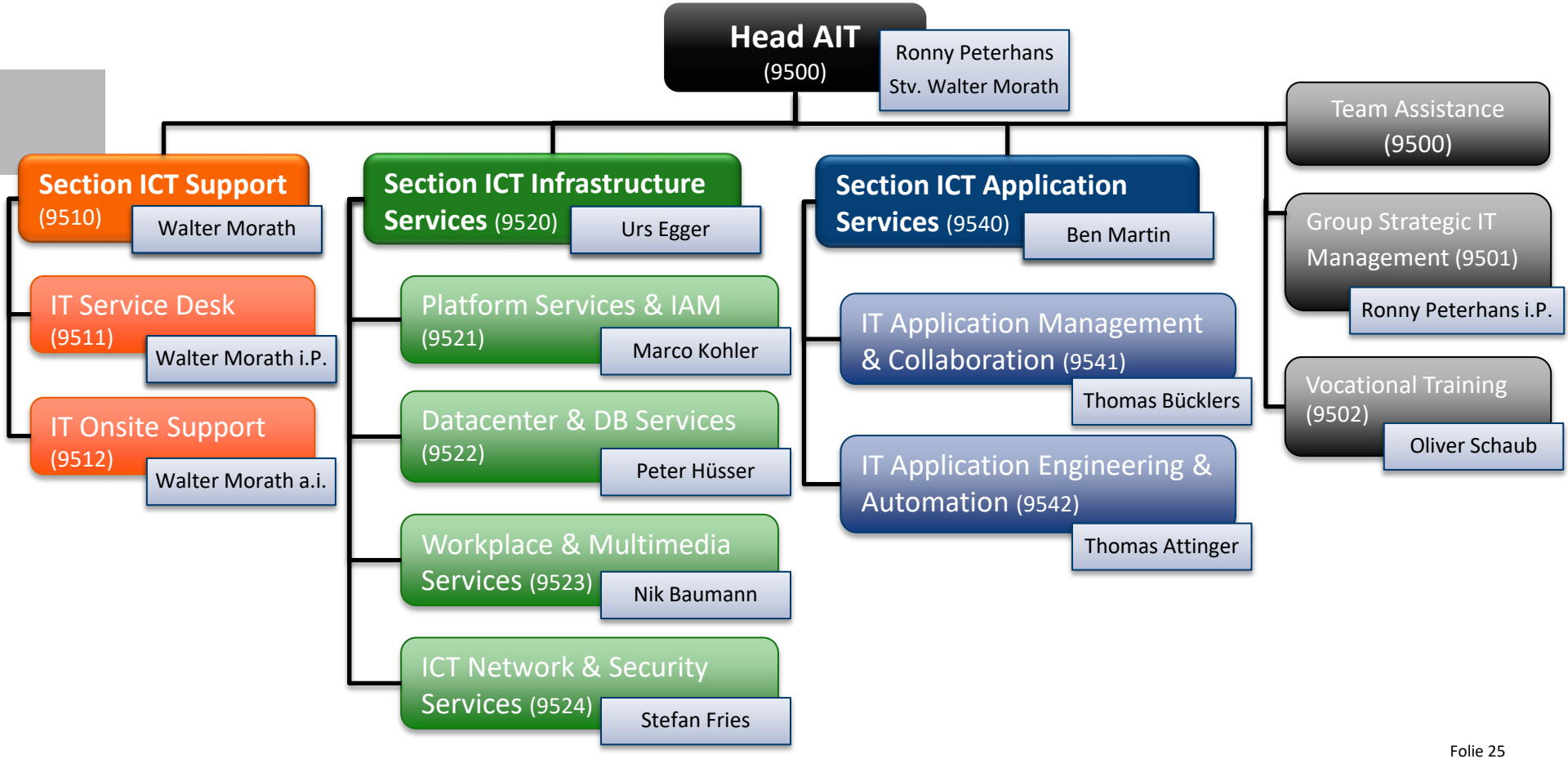
Information Head AIT

- **New Teammates**
  - Giti aka Sivagnanam Changeerthiga (Regie) 9511 01.07.2023
  - Majsner Andrej 9512 01.08.2023
  - Schmid Luca (Ex-Lernender befristet bis Q4) 9524 05.08.2023
  - Schleuniger Séverin (dito) 9540 05.08.2023

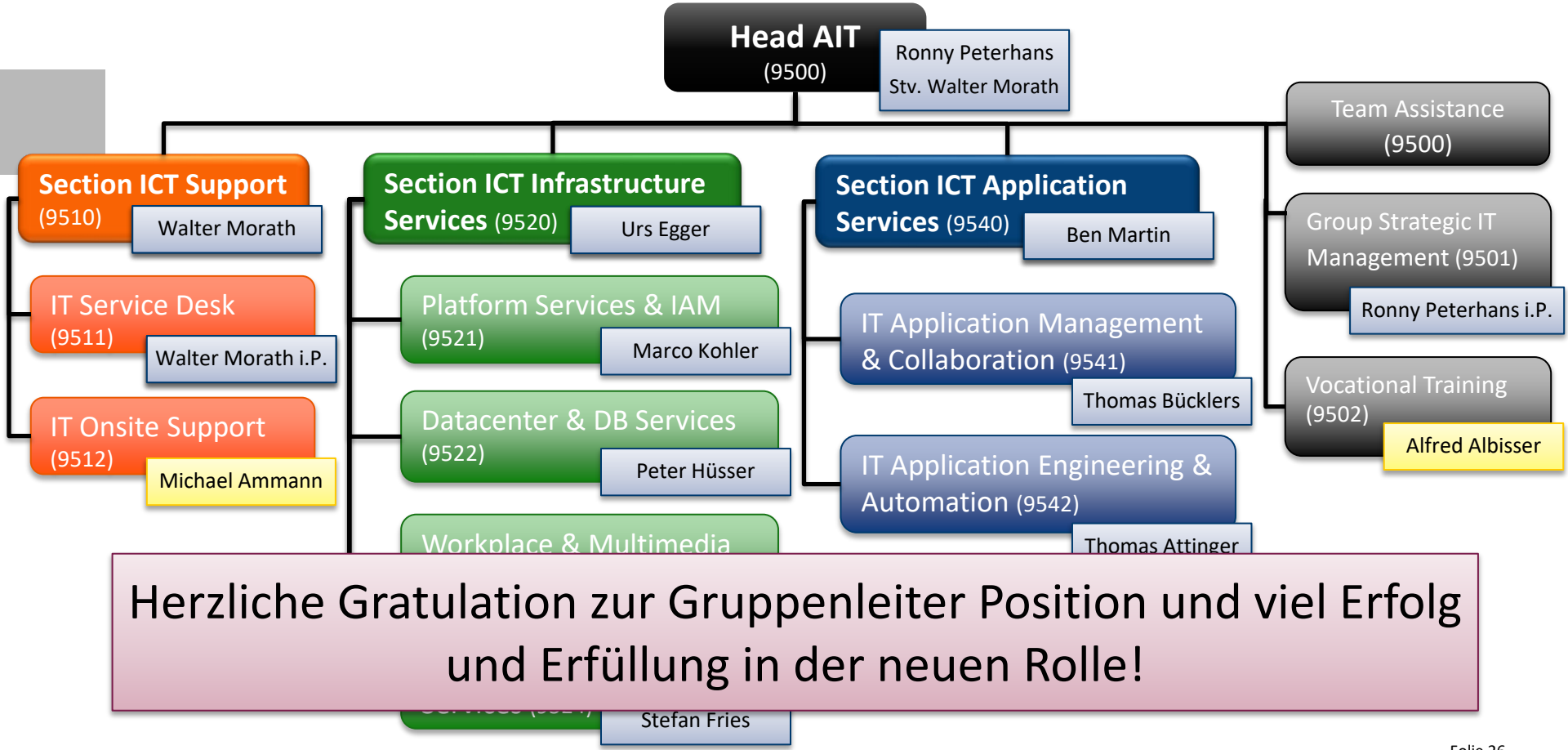
- **Resignations/Moves/Retirements**
  - Patrick Schaffner (Regie) 9511 30.06.2023

- **Open Positions**
  - ICT Supporter*in 1st und 2nd Level (9511)
    https://www.psi.ch/de/pa/stellenangebote/57654-ict-supporterin-1st-und-2nd-level

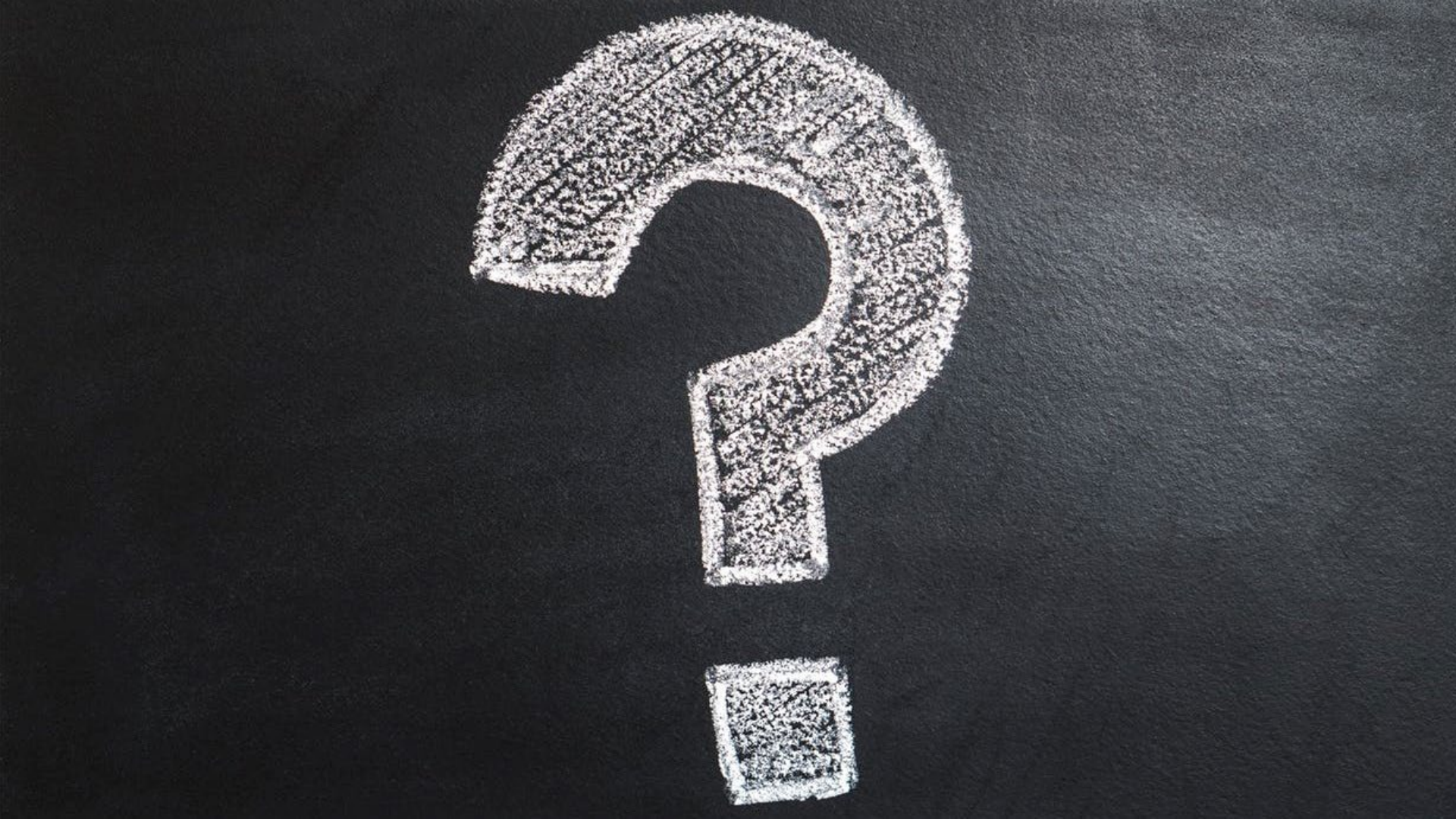
Org Chart AIT (9500) since 01.07.2021



Org Chart AIT (9500) since 01.06.2023



Herzliche Gratulation zur Gruppenleiter Position und viel Erfolg und Erfüllung in der neuen Rolle!



Agenda

Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
11.30 – 11.45	Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services	Ronny Peterhans
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

5 Years with SCRUM – an Experience Report

Rico Besson, ZPT

PAUL SCHERRER INSTITUT

PSI

Rico Besson :: Groupleader Medical Software :: Paul Scherrer Institute

Scrum – 5 years field report

IT Quartalsinfo – 29.08.2023

Content and Context

Content:

- Scrum (Quick Refresher)
- Scrum Key Points
- Implementation & Experiences
- Conclusion
- Questions/Discussion

Context:

- Software development team at CPT
- 5 FTE
- Main Focus: Treatment Planning Systems
- Certified Scrum Developers

Scrum Key Points (I)

- 3 Roles:
  - Product Owner (1 FTE)
  - Development Team (3 – 9 FTE)
  - Scrum Master (1 FTE)

- 5 Events
  - Sprint (2 – 4 Weeks)
  - Sprint Planning (1/2 – 1 Day)
  - Daily Scrum (15 Minutes)
  - Sprint Review (2 – 4 Hours)
  - Sprint Retro (1 – 2 Hours)

- 3 Artifacts
  - Product Backlog
  - Sprint Backlog
  - Increment

Scrum Key Points (II)

- 4 Important Concepts
  - Time Boxed
  - Scrum Values (commitment, focus, openness, respect and courage)
  - Sprint Goal
  - Definition of Done

- Scrum Guide End Note

“Scrum is free and offered in this Guide. The Scrum framework, as outlined herein, is **immutable**. While implementing **only parts** of Scrum is possible, the result is **not Scrum**. Scrum exists only in its **entirety** and functions well as a container for other techniques, methodologies, and practices.”

Implementation & Experiences

- 3 Roles:
  - Product Owner: 1 Person 0.4 FTE (1 FTE)
  - Development Team: 5 Persons 2.6 FTE (3 – 9 FTE)
  - Scrum Master: 1 Person 0.2 FTE (1 FTE)

- 5 Events
  - Sprint: 2 Weeks (2 – 4 Weeks)
  - Sprint Planning: 3 Hours (1/2 – 1 Day)
  - Daily Scrum: 15 Minutes (15 Minutes)
  - Sprint Review: 2 Hours (2 – 4 Hours)
  - Sprint Retro: 45 Minutes (1 – 2 Hours)

- 3 Artifacts
  - Product Backlog: Codebeamer Trackers
  - Sprint Backlog: Codebeamer Trackers
  - Increment: CI Build, manually triggered deployment

Conclusion

- We do **NOT** SCRUM ☹
- Highly dependant on level of maturity of defined PBIs
  - Well defined PBIs requires a lot of time of the DEV TEAM and the PO
  - No guidelines provided by the SCRUM framework
  - Measure: Not only pull ‘ready’ PBIs but also PBIs to be refined
- Time Boxed is difficult but important (here we can improve)
- Definition of Done very imortant for the quality of the product
- Collaboration inside (fun, progress) and outside (transparency, impact) the team improved a lot
- **We continue with NOT SCRUM ☺ !!!**

Questions/Discussion

My thanks go to

- my team
- scrumguides.org
- our organisation
- you all and Ronny

Agenda

Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
11.30 – 11.45	Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services	Ronny Peterhans
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

Time for a break!

Agenda

Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
11.30 – 11.45	Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services	Ronny Peterhans
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

TPG
THE PROJECT GROUP

PM@PSI & ePPM Platform

Alexander Koschik, GFA & Dario Veghini, ZPT

PAUL SCHERRER INSTITUT

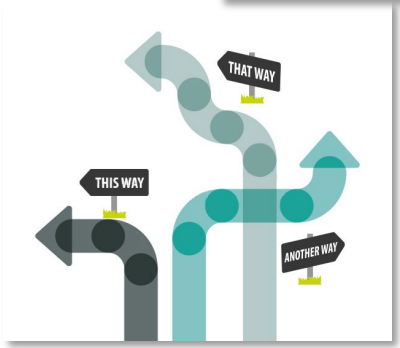
PSI

Alexander Koschik :: Planungsbüro GFA / PM@PSI Projektteam :: Paul Scherrer Institute

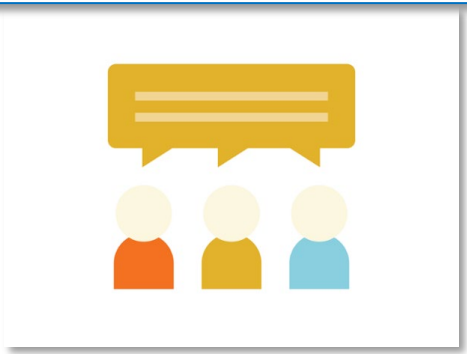
PM@PSI and ePPM platform

AIT Quartalsinfo :: 29.08.2023

PM@PSI – Introducing unified and helpful PM processes at PSI



Guidance in managing a project



Unified understanding of
phases & milestones and their meaning

Unified, integrated and
modular PM training

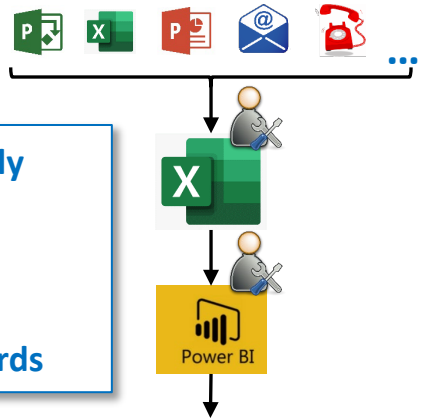
Software tool ePPM

Enhance transparency: PM data on a common platform

Digitalize booking/managing resources across departments

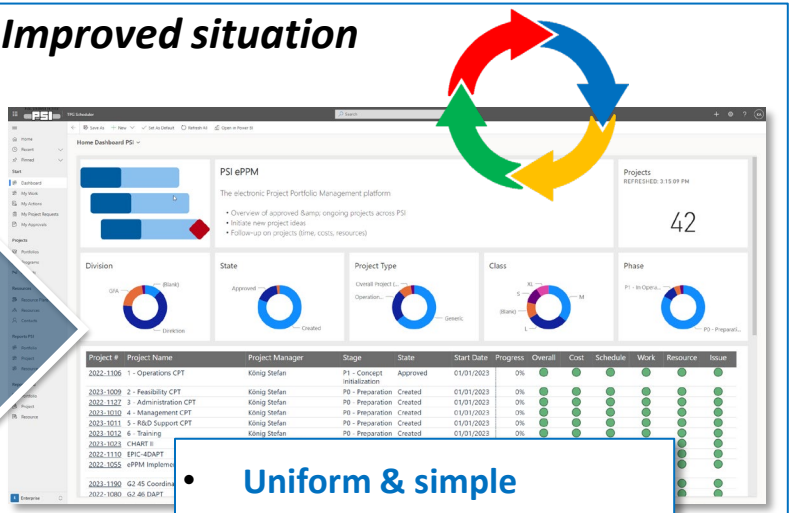
ePPM Platform – Objectives

Present situation



- Laborious / Manually
- Data scattered
- Different tools
- No common
- No common standards

Improved situation



- Uniform & simple
- Common standards
- Common data base
- Planning & Analysis
- Overview & Transparency

PM@PSI – Short Overview

Objectives & Goals

- Unified methodology & standards for PM at PSI
- Uniform and simple processes for initiation & execution of projects
- Overview & transparency of planned & running projects
- Overview of usage & demand of PSI resources

Deliverables

- PM Handbooks (‘Navigationshilfe’)
  - methodology, processes, standards
- PM Directive (Weisung)
  - roles, responsibilities, competencies, guidelines
- Training concept
- Supporting software tool to support methodology & processes
  - project management (planning, controlling)
  - portfolio management (selection & initiation, monitoring, resource handling)
  - corresponding (approval) processes
  - reporting, status overviews

Guidance in managing a project

Unified understanding of phases&milestones and their meaning

Unified, integrated and modular PM training

Enhance transparency: PM data on common platform

Digitalize booking/managing resources across departments

PM Handbook(s)

- PSI specific
- Compatible with PM standards
- ‘Navigation Help’ for project leaders

PM Directive (Weisung)

- Compatible with Signature & Competencies Directive
- Incorporates Heterogeneity of Project Landscape at PSI

ePPM Platform

- for Line- and Projectmngt
- Aggregate project data
- Achieve max. user acceptance and benefit

PM Training (Schulung)

- Modular building blocks
- E-learnings
- Start ~Q2 2024

ePPM – electronic Project Portfolio Management

PM@PSI – Status, Timeline, Pilot Phase

Status

- **Directive**, **manuals** (‘Handbook’), **training** readily prepared for testing
- **ePPM platform** main configuration ready
- **Pilot phase** started
- Gradual addition of further pilot users (PM Basic training + onboarding)

Goals of the pilot phase

- **Evaluation of practicability** of directive, manuals, training & platform
- **Identification of PowerUsers** in Divisions
- **Collection** of real project and operational data
- Further detailed configurations in the ePPM platform

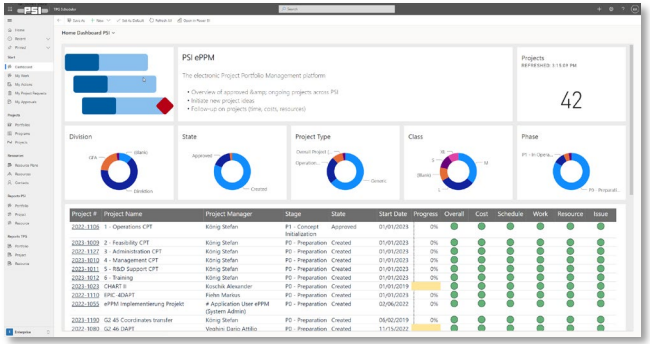
Functionality of ePPM platform

- **User interface & usage requiring little training**
  - Simple & self-explanatory operation
    User-friendliness & user acceptance
  - Clean & simple user interface
    yet extensive functionality for the savvy user

- **Planning functionality** (rough to detailed planning)
  - Schedule | Costs | Resources
  - Detailied planning options (essential for large projects)
  - **Resource demand** is in the focus
    (no admin. overhead by reserving/blocking/releasing resources)

- **Portfolio/Program Views**
  - Summary of multiple project data
  - Structured overview of the PSI project landscape

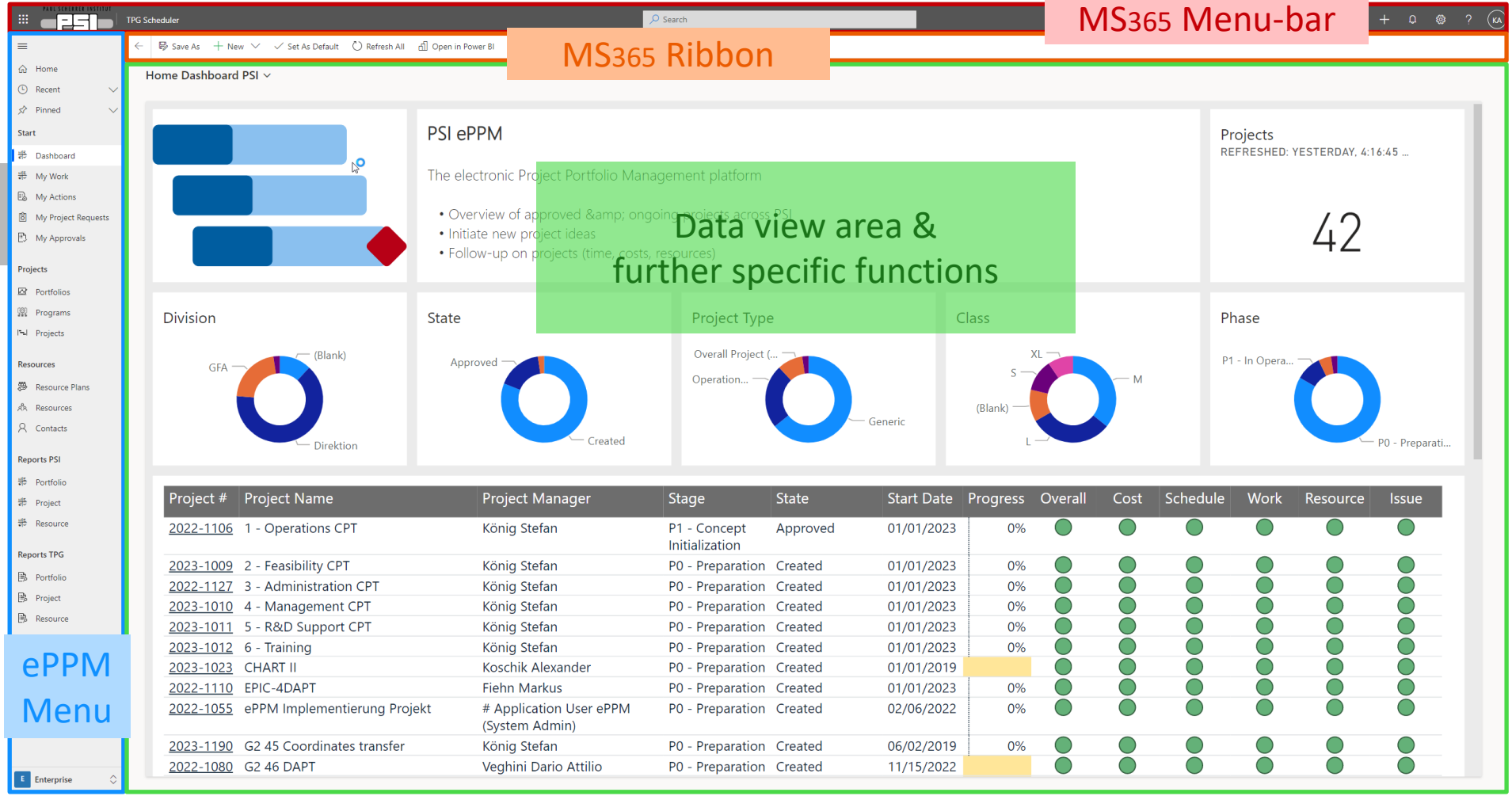
- **Reporting functionality**
  - Extensive and flexible



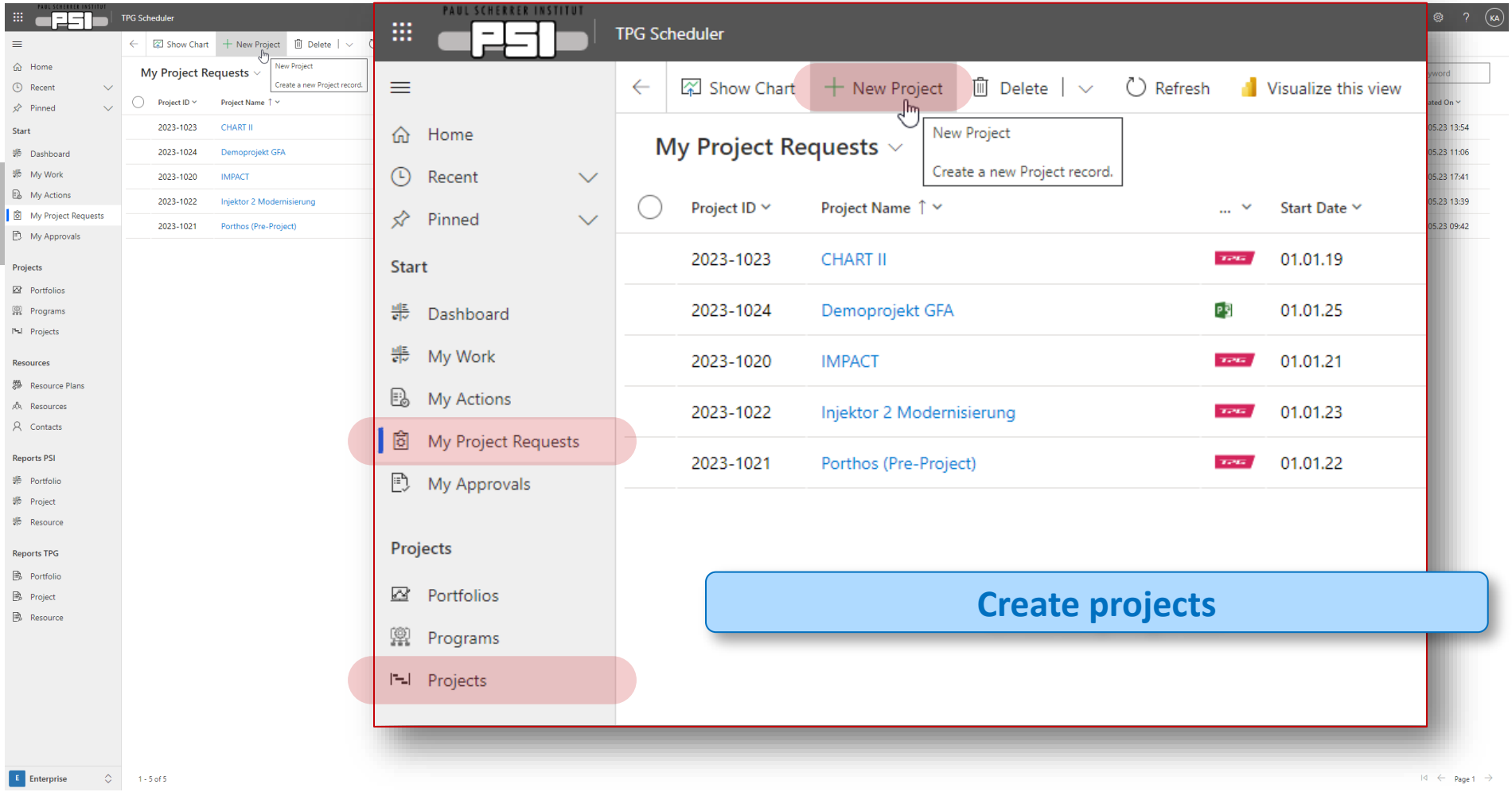
- **MS Power Platform based solution**
- **Cloud-based & easy integration with MS365**
- **High configuration flexibility**
- **Small vs. large-scale planning:**
  - TPG Scheduler (Web-UI)
  - Project Classic (in Web-UI or Desktop Client)
- **Reporting via PowerBI** (very powerful)

ePPM platform

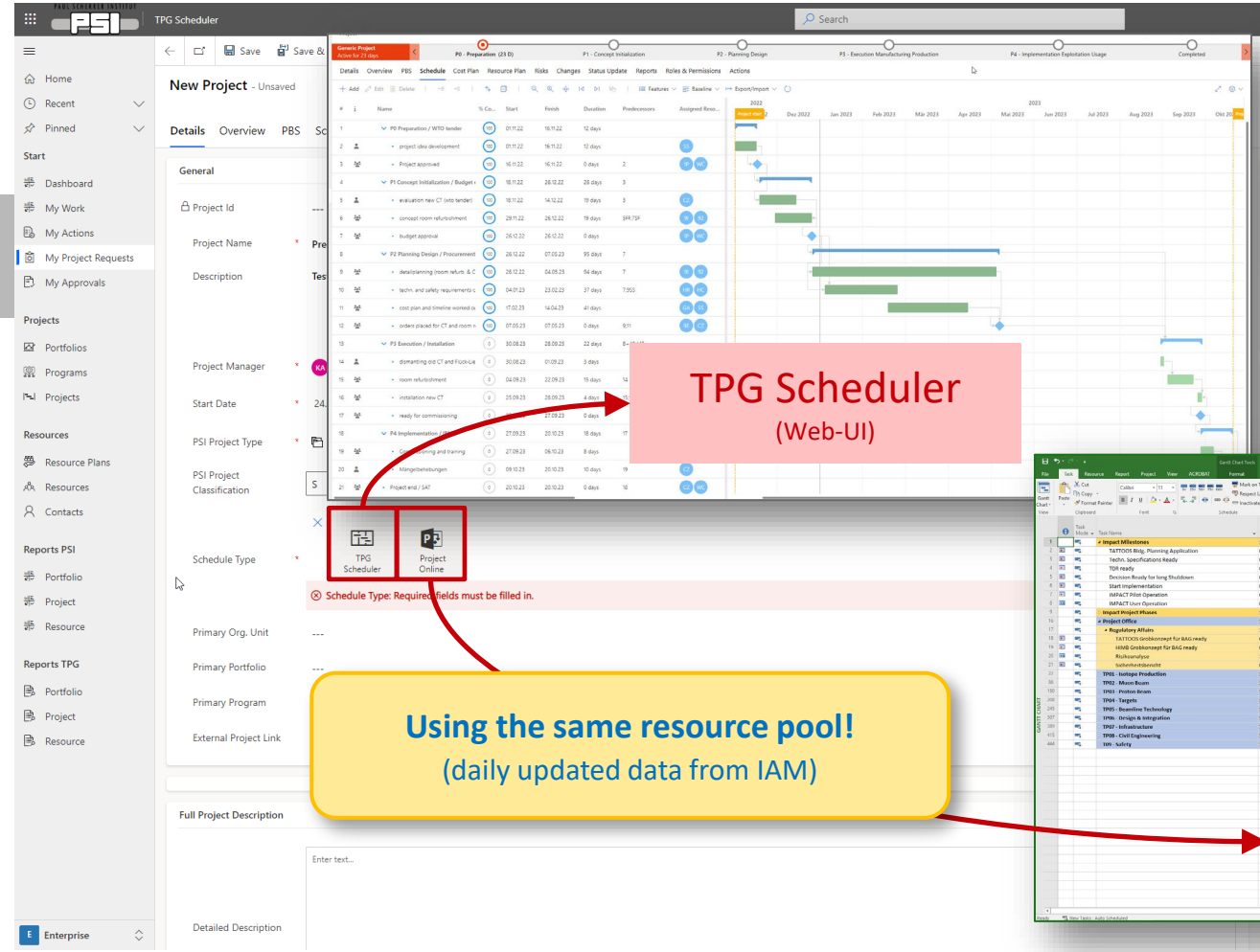
Live Demo *OR* Set of Screenshot to show Functionality



Project #	Project Name	Project Manager	Stage	State	Start Date	Progress	Overall	Cost	Schedule	Work	Resource	Issue
2022-1106	1 - Operations CPT	König Stefan	P1 - Concept Initialization	Approved	01/01/2023	0%						
2023-1009	2 - Feasibility CPT	König Stefan	P0 - Preparation	Created	01/01/2023	0%						
2022-1127	3 - Administration CPT	König Stefan	P0 - Preparation	Created	01/01/2023	0%						
2023-1010	4 - Management CPT	König Stefan	P0 - Preparation	Created	01/01/2023	0%						
2023-1011	5 - R&D Support CPT	König Stefan	P0 - Preparation	Created	01/01/2023	0%						
2023-1012	6 - Training	König Stefan	P0 - Preparation	Created	01/01/2023	0%						
2023-1023	CHART II	Koschik Alexander	P0 - Preparation	Created	01/01/2019							
2022-1110	EPIC-4DAPT	Fiehn Markus	P0 - Preparation	Created	01/01/2023	0%						
2022-1055	ePPM Implementierung Projekt	# Application User ePPM (System Admin)	P0 - Preparation	Created	02/06/2022	0%						
2023-1190	G2 45 Coordinates transfer	König Stefan	P0 - Preparation	Created	06/02/2019	0%						
2022-1080	G2 46 DAPT	Veghini Dario Attilio	P0 - Preparation	Created	11/15/2022							

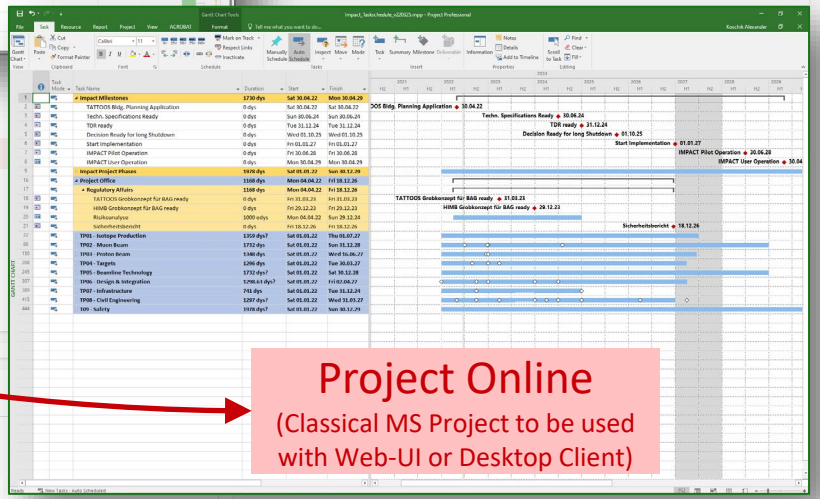

TPG Scheduler
Show Chart
New Project
Delete
Refresh
Visualize this view
Home
Recent
Pinned
Start
Dashboard
My Work
My Actions
My Project Requests
My Approvals
Projects
Portfolios
Programs
Projects
My Project Requests
New Project
Create a new Project record.
Project ID
Project Name
Start Date
2023-1023
CHART II
01.01.19
2023-1024
Demoprojekt GFA
01.01.25
2023-1020
IMPACT
01.01.21
2023-1022
Injektor 2 Modernisierung
01.01.23
2023-1021
Porthos (Pre-Project)
01.01.22
Create projects

Possibilities of Planning

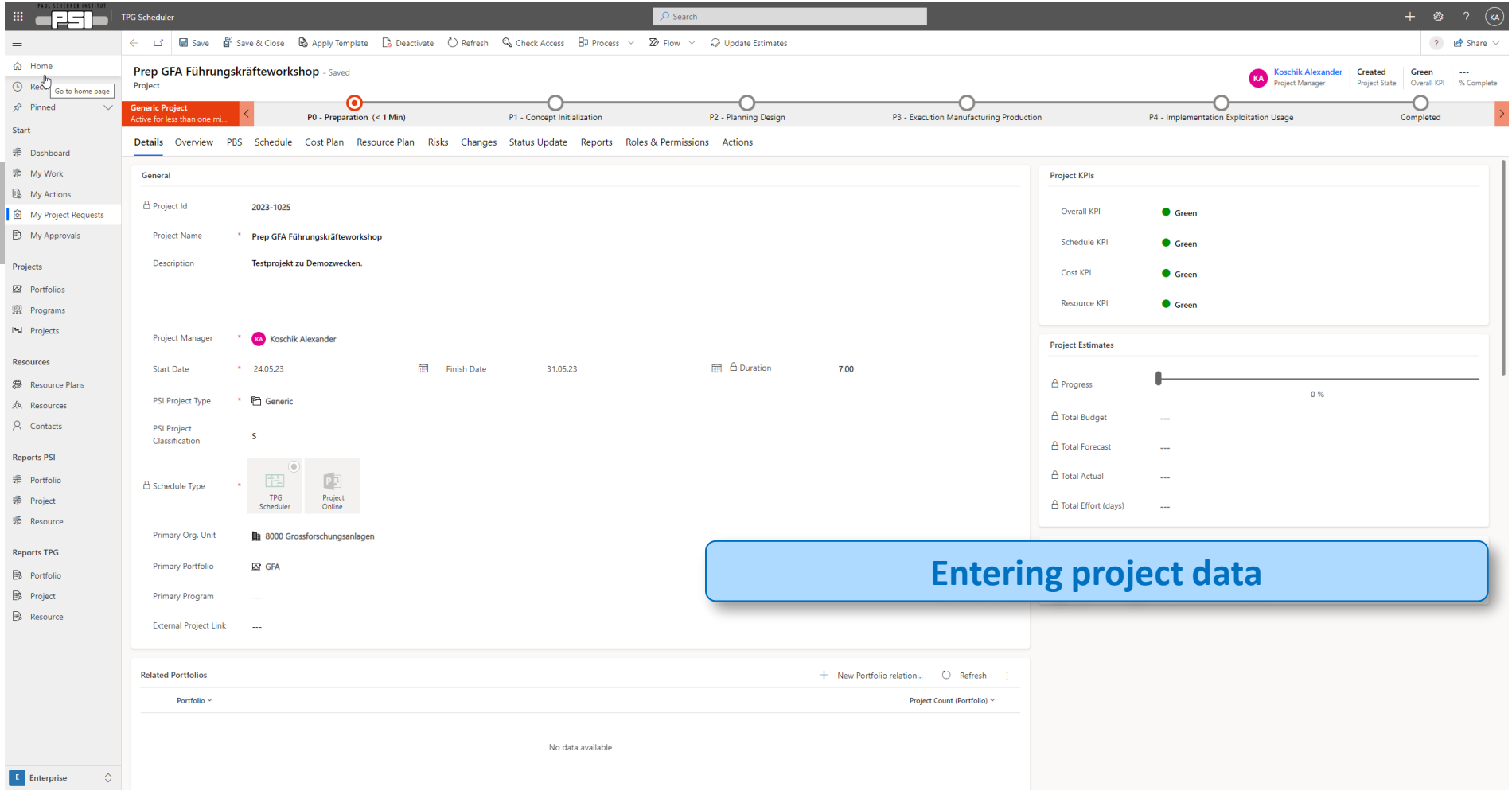


TPG Scheduler
(Web-UI)

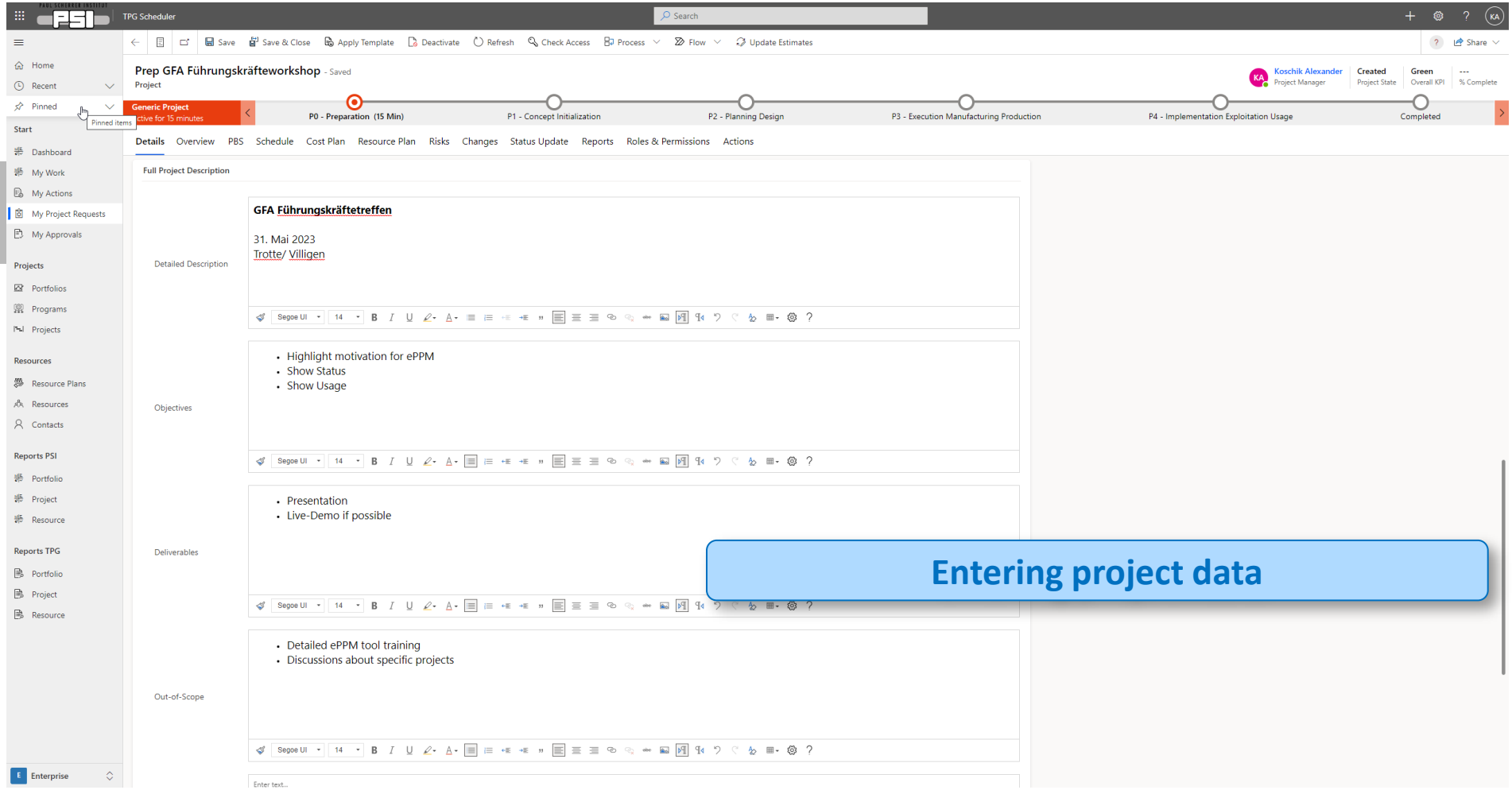
Using the same resource pool!
(daily updated data from IAM)



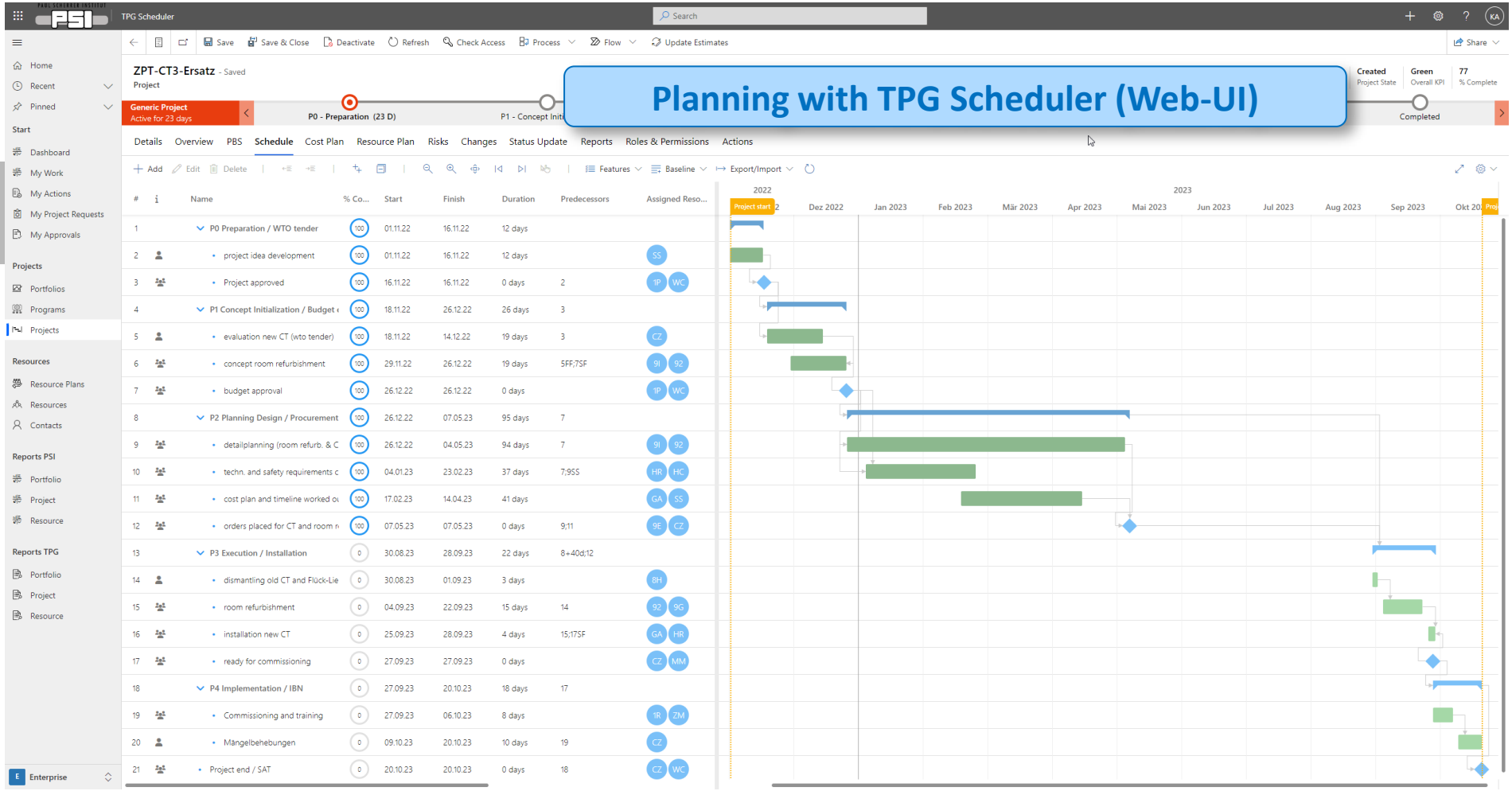
Project Online
(Classical MS Project to be used with Web-UI or Desktop Client)



Entering project data

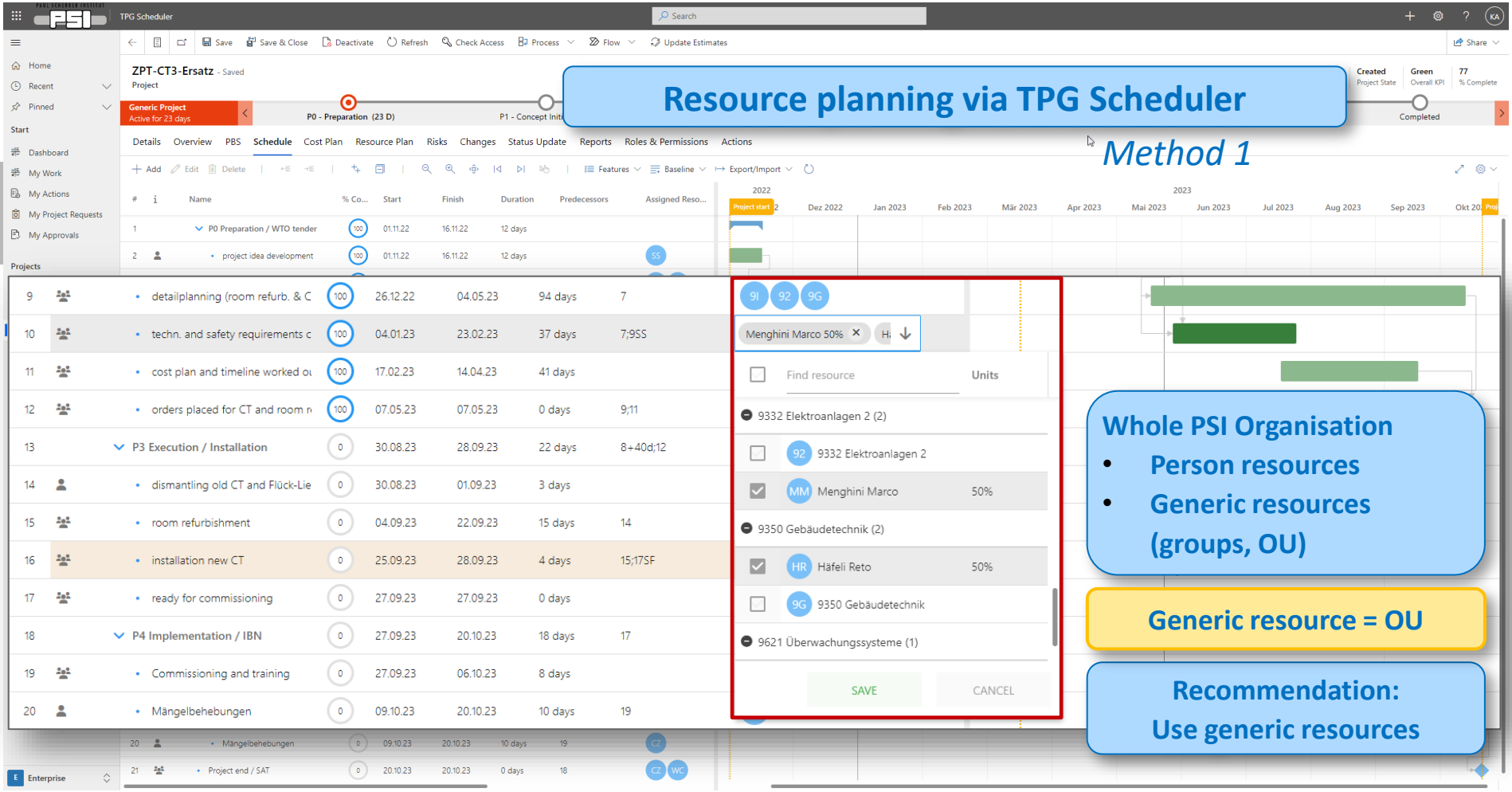


Entering project data


TPG Scheduler
Search
Save
Save & Close
Deactivate
Refresh
Check Access
Process
Flow
Update Estimates
Share
Home
Recent
Pinned
Start
Dashboard
My Work
My Actions
My Project Requests
My Approvals
Projects
Portfolios
Programs
Projects
Resources
Resource Plans
Resources
Contacts
Reports PSI
Portfolio
Project
Resource
Reports TPG
Portfolio
Project
Resource
Enterprise
ZPT-CT3-Ersatz - Saved
Project
Generic Project
Active for 23 days
P0 - Preparation (23 D)
Completed
Created
Project State
Green
Overall KPI
77
% Complete
Planning with TPG Scheduler (Web-UI)
Details
Overview
PBS
Schedule
Cost Plan
Resource Plan
Risks
Changes
Status Update
Reports
Roles & Permissions
Actions
Add
Edit
Delete
Features
Baseline
Export/Import
2022
2023
Project start
Dez 2022
Jan 2023
Feb 2023
Mär 2023
Apr 2023
Mai 2023
Jun 2023
Jul 2023
Aug 2023
Sep 2023
Okt 20
| Name | % Co... | Start | Finish | Duration | Predecessors | Assigned Reso...
1 | P0 Preparation / WTO tender | 100 | 01.11.22 | 16.11.22 | 12 days
2 | project idea development | 100 | 01.11.22 | 16.11.22 | 12 days | SS
3 | Project approved | 100 | 16.11.22 | 16.11.22 | 0 days | 2 | 1P WC
4 | P1 Concept Initialization / Budget | 100 | 18.11.22 | 26.12.22 | 26 days | 3
5 | evaluation new CT (wto tender) | 100 | 18.11.22 | 14.12.22 | 19 days | 3 | CZ
6 | concept room refurbishment | 100 | 29.11.22 | 26.12.22 | 19 days | 5FF;7SF | 9I 92
7 | budget approval | 100 | 26.12.22 | 26.12.22 | 0 days | 1P WC
8 | P2 Planning Design / Procurement | 100 | 26.12.22 | 07.05.23 | 95 days | 7
9 | detailplanning (room refurb. & C | 100 | 26.12.22 | 04.05.23 | 94 days | 7 | 9I 92
10 | techn. and safety requirements c | 100 | 04.01.23 | 23.02.23 | 37 days | 7;9SS | HR HC
11 | cost plan and timeline worked ou | 100 | 17.02.23 | 14.04.23 | 41 days | GA SS
12 | orders placed for CT and room n | 100 | 07.05.23 | 07.05.23 | 0 days | 9;11 | 9E CZ
13 | P3 Execution / Installation | 0 | 30.08.23 | 28.09.23 | 22 days | 8+40d;12
14 | dismantling old CT and Flück-Lie | 0 | 30.08.23 | 01.09.23 | 3 days | 8H
15 | room refurbishment | 0 | 04.09.23 | 22.09.23 | 15 days | 14 | 92 9G
16 | installation new CT | 0 | 25.09.23 | 28.09.23 | 4 days | 15;17SF | GA HR
17 | ready for commissioning | 0 | 27.09.23 | 27.09.23 | 0 days | CZ MM
18 | P4 Implementation / IBN | 0 | 27.09.23 | 20.10.23 | 18 days | 17
19 | Commissioning and training | 0 | 27.09.23 | 06.10.23 | 8 days | 1R ZM
20 | Mängelbehebungen | 0 | 09.10.23 | 20.10.23 | 10 days | 19 | CZ
21 | Project end / SAT | 0 | 20.10.23 | 20.10.23 | 0 days | 18 | CZ WC

Resource planning via TPG Scheduler

Method 1

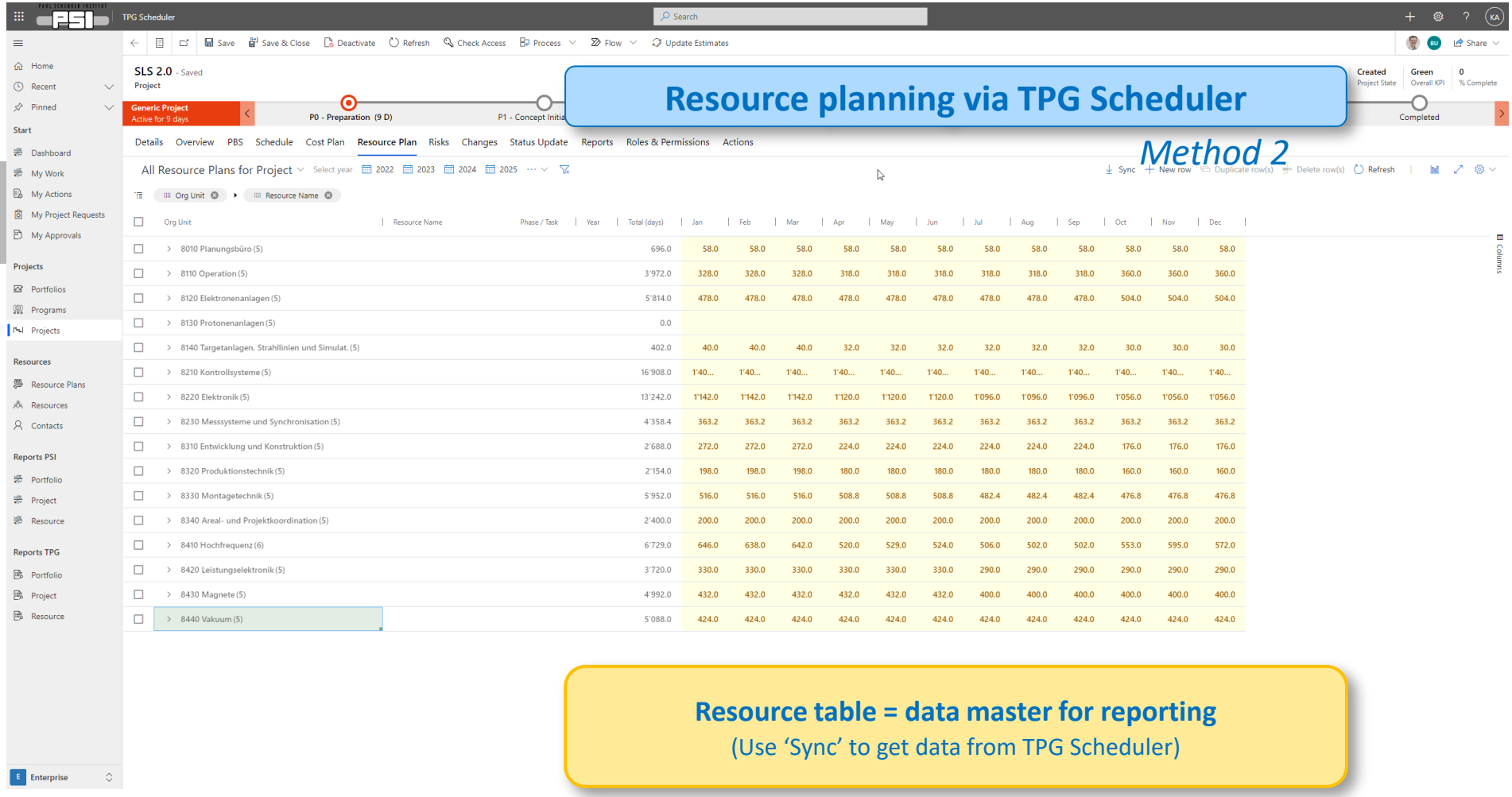


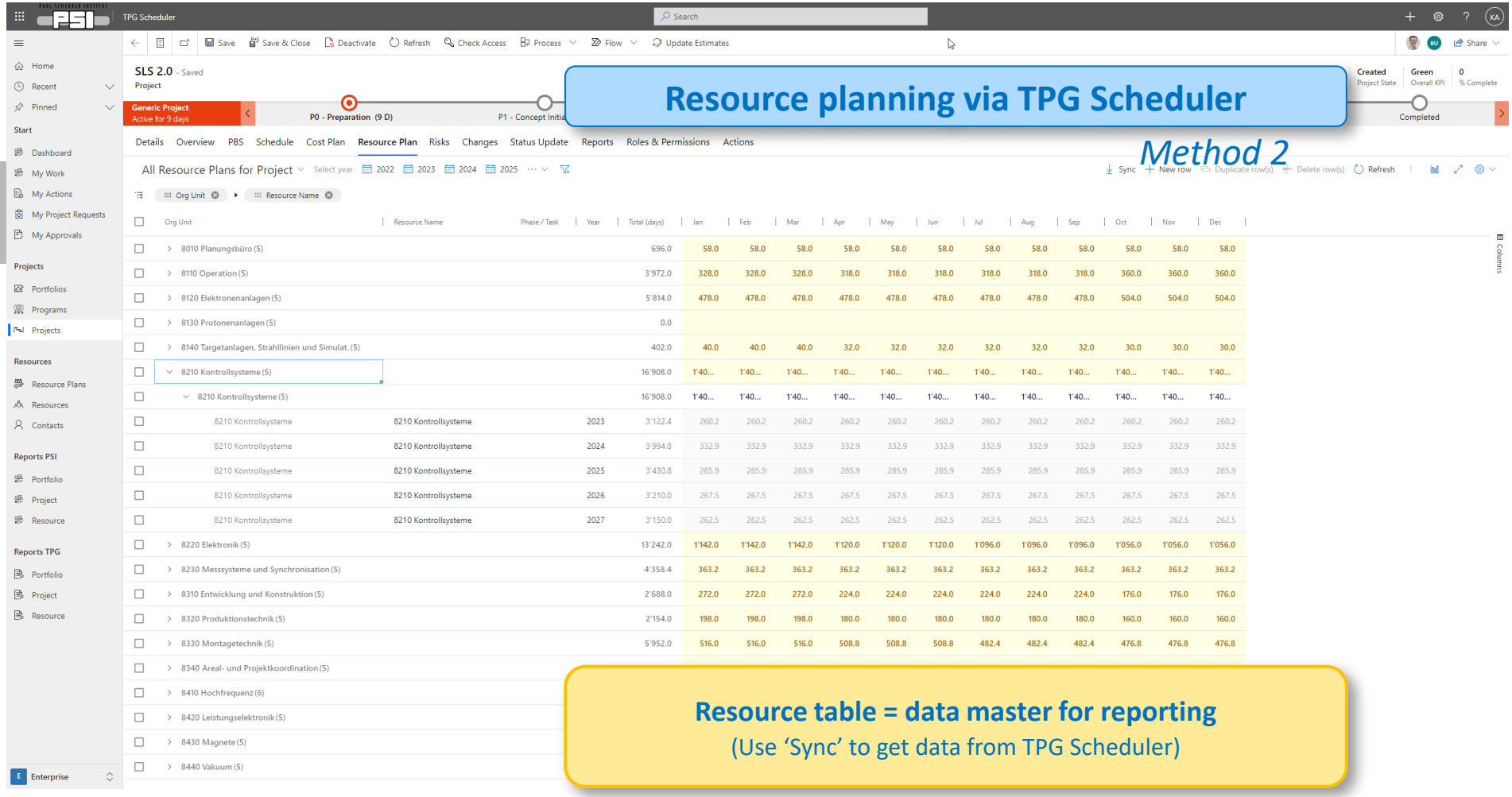
Whole PSI Organisation

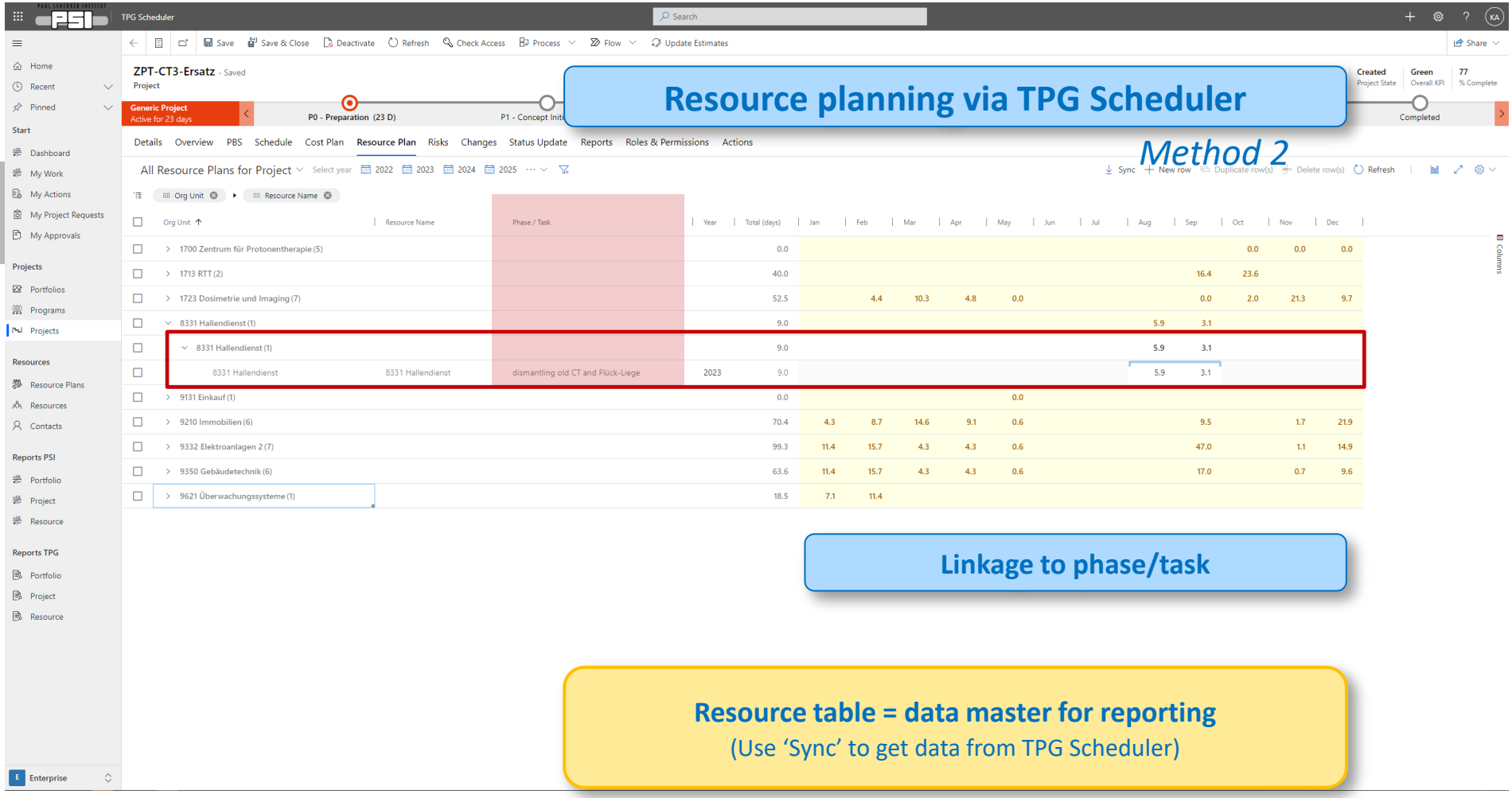
- **Person resources**
- **Generic resources (groups, OU)**

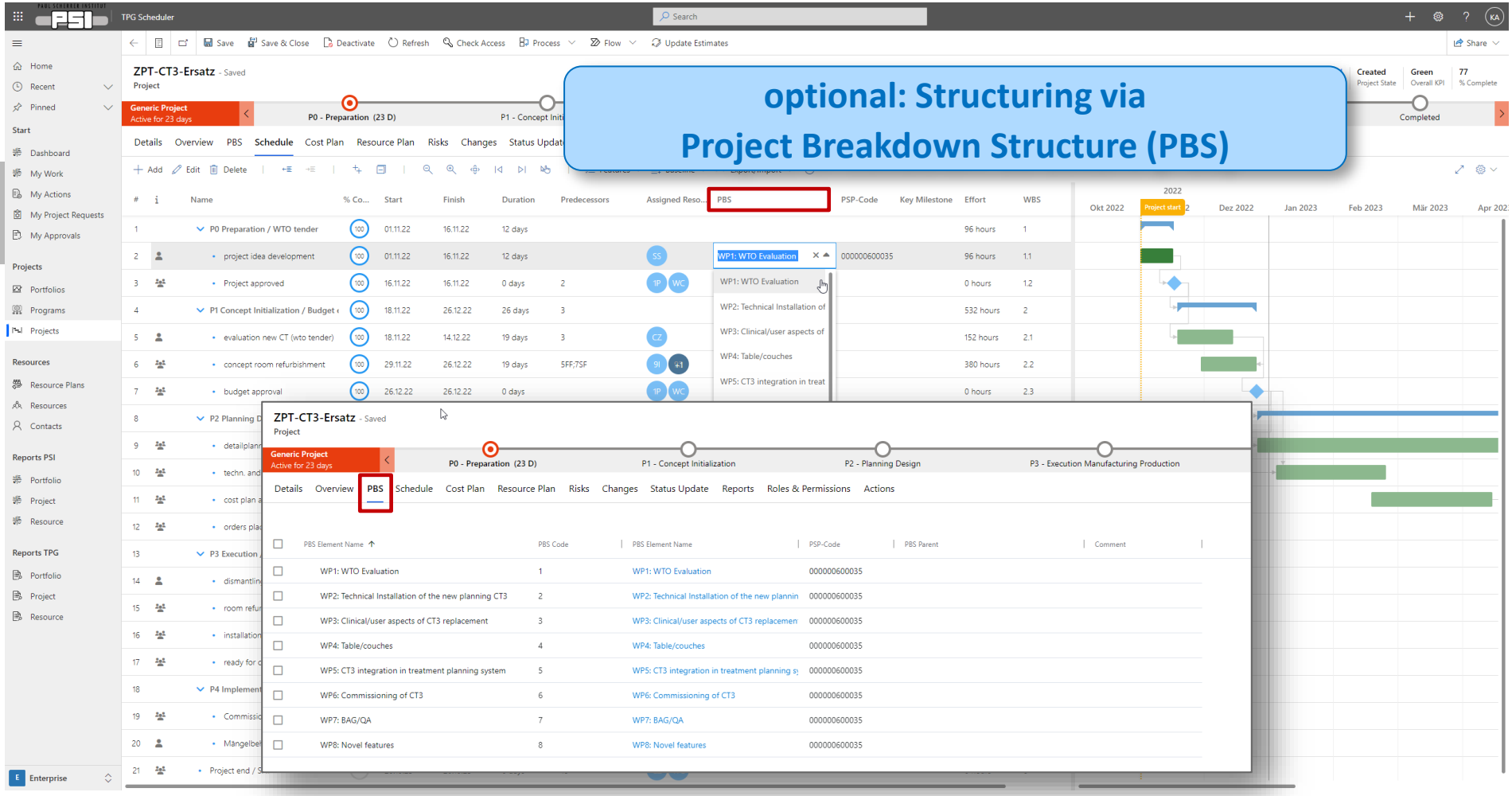
Generic resource = OU

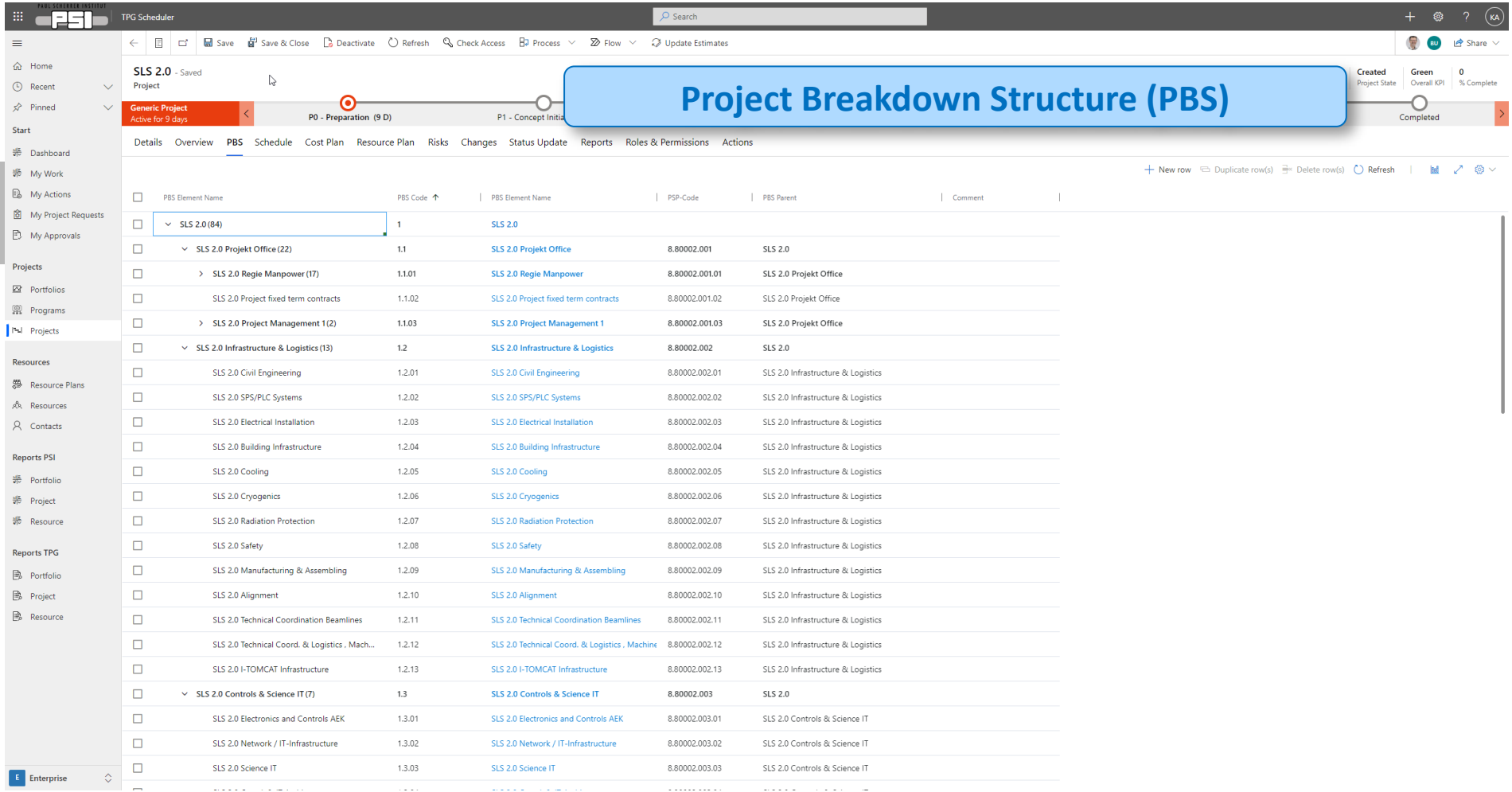
Recommendation: Use generic resources


TPG Scheduler
Search
Save
Save & Close
Deactivate
Refresh
Check Access
Process
Flow
Update Estimates
Share
Home
Recent
Pinned
Start
Dashboard
My Work
My Actions
My Project Requests
My Approvals
Projects
Portfolios
Programs
Projects
Resources
Resource Plans
Resources
Contacts
Reports PSI
Portfolio
Project
Resource
Reports TPG
Portfolio
Project
Resource
Enterprise
SLS 2.0 - Saved
Project
Generic Project
Active for 9 days
P0 - Preparation (9 D)
P1 - Concept Initia
Completed
Created
Project State
Green
Overall KPI
0
% Complete
Resource planning via TPG Scheduler
Method 2
Details
Overview
PBS
Schedule
Cost Plan
Resource Plan
Risks
Changes
Status Update
Reports
Roles & Permissions
Actions
All Resource Plans for Project
Select year
2022
2023
2024
2025
Sync
New row
Duplicate row(s)
Delete row(s)
Refresh
Org Unit
Resource Name
Columns
Org Unit
Resource Name
Phase / Task
Year
Total (days)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
8010 Planungsbüro (5) 696.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0
8110 Operation (5) 3'972.0 328.0 328.0 328.0 318.0 318.0 318.0 318.0 318.0 318.0 360.0 360.0 360.0
8120 Elektronenanlagen (5) 5'814.0 478.0 478.0 478.0 478.0 478.0 478.0 478.0 478.0 478.0 504.0 504.0 504.0
8130 Protonenanlagen (5) 0.0
8140 Targetanlagen, Strahllinien und Simulat. (5) 402.0 40.0 40.0 40.0 32.0 32.0 32.0 32.0 32.0 32.0 30.0 30.0 30.0
8210 Kontrollsysteme (5) 16'908.0 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40...
8220 Elektronik (5) 13'242.0 1'142.0 1'142.0 1'142.0 1'120.0 1'120.0 1'120.0 1'096.0 1'096.0 1'096.0 1'056.0 1'056.0 1'056.0
8230 Messsysteme und Synchronisation (5) 4'358.4 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2
8310 Entwicklung und Konstruktion (5) 2'688.0 272.0 272.0 272.0 224.0 224.0 224.0 224.0 224.0 224.0 176.0 176.0 176.0
8320 Produktionstechnik (5) 2'154.0 198.0 198.0 198.0 180.0 180.0 180.0 180.0 180.0 180.0 160.0 160.0 160.0
8330 Montagetechnik (5) 5'952.0 516.0 516.0 516.0 508.8 508.8 508.8 482.4 482.4 482.4 476.8 476.8 476.8
8340 Areal- und Projektkoordination (5) 2'400.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0 200.0
8410 Hochfrequenz (6) 6'729.0 646.0 638.0 642.0 520.0 529.0 524.0 506.0 502.0 502.0 553.0 595.0 572.0
8420 Leistungselektronik (5) 3'720.0 330.0 330.0 330.0 330.0 330.0 330.0 290.0 290.0 290.0 290.0 290.0 290.0
8430 Magnete (5) 4'992.0 432.0 432.0 432.0 432.0 432.0 432.0 400.0 400.0 400.0 400.0 400.0 400.0
8440 Vakuum (5) 5'088.0 424.0 424.0 424.0 424.0 424.0 424.0 424.0 424.0 424.0 424.0 424.0 424.0
Resource table = data master for reporting
(Use 'Sync' to get data from TPG Scheduler)

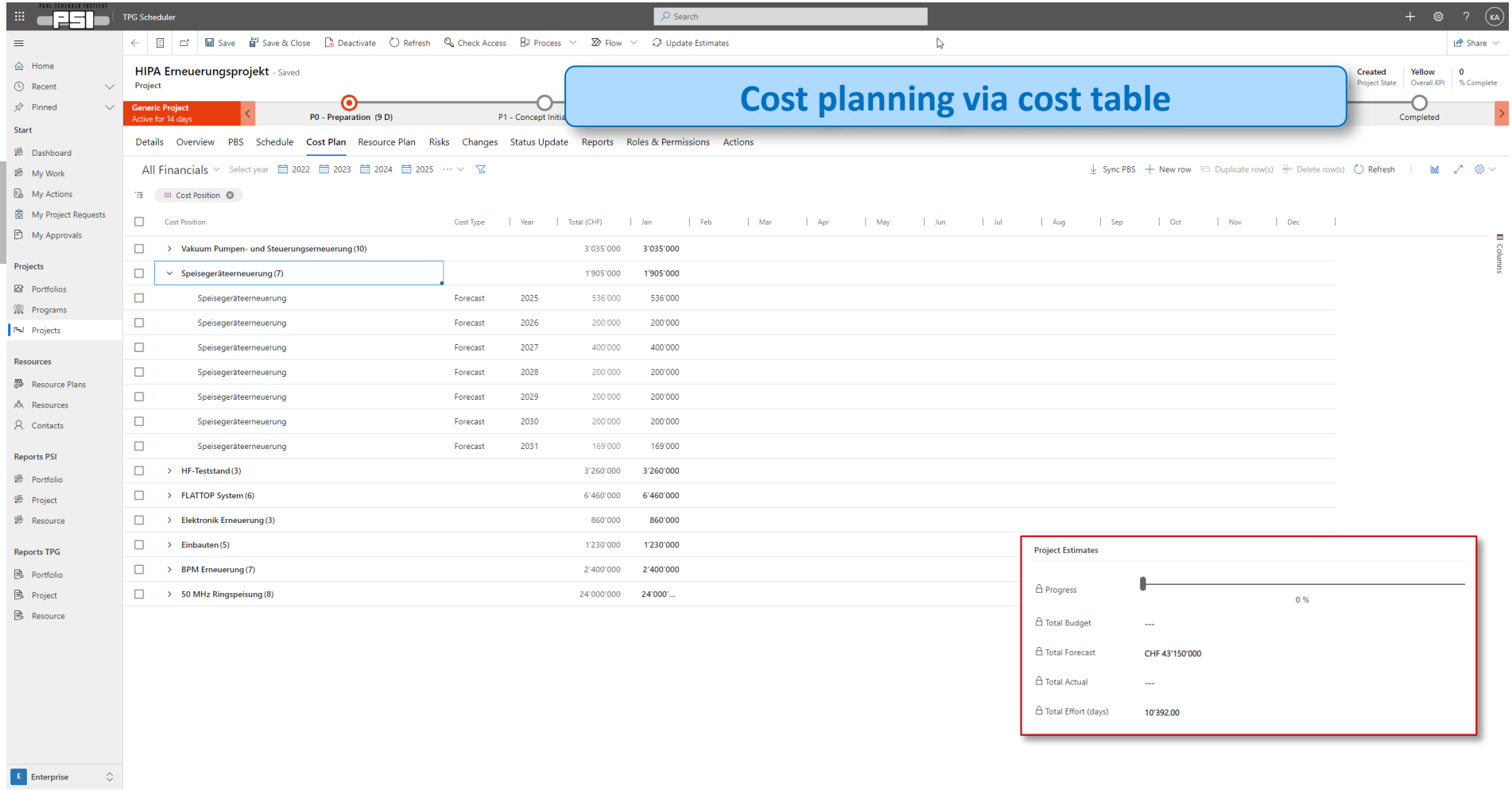

TPG Scheduler
Search
Save
Save & Close
Deactivate
Refresh
Check Access
Process
Flow
Update Estimates
Share
Home
Recent
Pinned
Start
Dashboard
My Work
My Actions
My Project Requests
My Approvals
Projects
Portfolios
Programs
Projects
Resources
Resource Plans
Resources
Contacts
Reports PSI
Portfolio
Project
Resource
Reports TPG
Portfolio
Project
Resource
Enterprise
SLS 2.0 - Saved
Project
Generic Project
Active for 9 days
P0 - Preparation (9 D)
P1 - Concept Initia
Completed
Created
Project State
Green
Overall KPI
0
% Complete
Resource planning via TPG Scheduler
Method 2
Details
Overview
PBS
Schedule
Cost Plan
Resource Plan
Risks
Changes
Status Update
Reports
Roles & Permissions
Actions
All Resource Plans for Project
Select year
2022
2023
2024
2025
Sync
New row
Duplicate row(s)
Delete row(s)
Refresh
Org Unit
Resource Name
Columns
Org Unit
Resource Name
Phase / Task
Year
Total (days)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
8010 Planungsbüro (5) 696.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0
8110 Operation (5) 3'972.0 328.0 328.0 328.0 318.0 318.0 318.0 318.0 318.0 318.0 360.0 360.0 360.0
8120 Elektronenanlagen (5) 5'814.0 478.0 478.0 478.0 478.0 478.0 478.0 478.0 478.0 478.0 504.0 504.0 504.0
8130 Protonenanlagen (5) 0.0
8140 Targetanlagen, Strahllinien und Simulat. (5) 402.0 40.0 40.0 40.0 32.0 32.0 32.0 32.0 32.0 32.0 30.0 30.0 30.0
8210 Kontrollsysteme (5) 16'908.0 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40...
8210 Kontrollsysteme (5) 16'908.0 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40... 1'40...
8210 Kontrollsysteme 8210 Kontrollsysteme 2023 3'122.4 260.2 260.2 260.2 260.2 260.2 260.2 260.2 260.2 260.2 260.2 260.2 260.2
8210 Kontrollsysteme 8210 Kontrollsysteme 2024 3'994.8 332.9 332.9 332.9 332.9 332.9 332.9 332.9 332.9 332.9 332.9 332.9 332.9
8210 Kontrollsysteme 8210 Kontrollsysteme 2025 3'430.8 285.9 285.9 285.9 285.9 285.9 285.9 285.9 285.9 285.9 285.9 285.9 285.9
8210 Kontrollsysteme 8210 Kontrollsysteme 2026 3'210.0 267.5 267.5 267.5 267.5 267.5 267.5 267.5 267.5 267.5 267.5 267.5 267.5
8210 Kontrollsysteme 8210 Kontrollsysteme 2027 3'150.0 262.5 262.5 262.5 262.5 262.5 262.5 262.5 262.5 262.5 262.5 262.5 262.5
8220 Elektronik (5) 13'242.0 1'142.0 1'142.0 1'142.0 1'120.0 1'120.0 1'120.0 1'096.0 1'096.0 1'096.0 1'056.0 1'056.0 1'056.0
8230 Messsysteme und Synchronisation (5) 4'358.4 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2 363.2
8310 Entwicklung und Konstruktion (5) 2'688.0 272.0 272.0 272.0 224.0 224.0 224.0 224.0 224.0 224.0 176.0 176.0 176.0
8320 Produktionstechnik (5) 2'154.0 198.0 198.0 198.0 180.0 180.0 180.0 180.0 180.0 180.0 160.0 160.0 160.0
8330 Montagetechnik (5) 5'952.0 516.0 516.0 516.0 508.8 508.8 508.8 482.4 482.4 482.4 476.8 476.8 476.8
8340 Areal- und Projektkoordination (5)
8410 Hochfrequenz (6)
8420 Leistungselektronik (5)
8430 Magnete (5)
8440 Vakuum (5)
Resource table = data master for reporting
(Use 'Sync' to get data from TPG Scheduler)

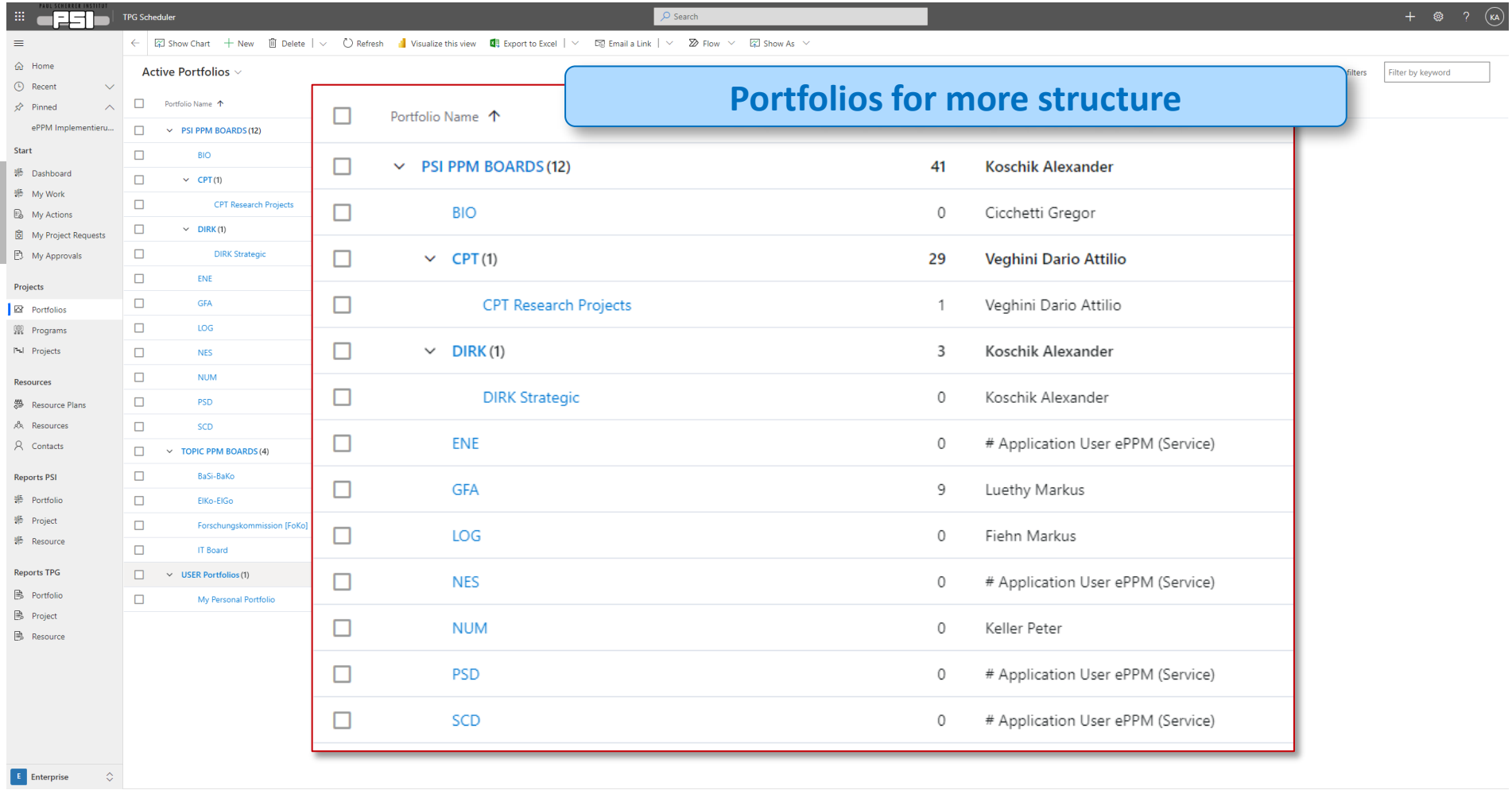

TPG Scheduler
Search
Save
Save & Close
Deactivate
Refresh
Check Access
Process
Flow
Update Estimates
Share
Home
Recent
Pinned
Start
Dashboard
My Work
My Actions
My Project Requests
My Approvals
Projects
Portfolios
Programs
Projects
Resources
Resource Plans
Resources
Contacts
Reports PSI
Portfolio
Project
Resource
Reports TPG
Portfolio
Project
Resource
Enterprise
ZPT-CT3-Ersatz - Saved
Project
Generic Project
Active for 23 days
P0 - Preparation (23 D)
P1 - Concept Init
Completed
Created
Project State
Green
Overall KPI
77
% Complete
Resource planning via TPG Scheduler
Method 2
Details
Overview
PBS
Schedule
Cost Plan
Resource Plan
Risks
Changes
Status Update
Reports
Roles & Permissions
Actions
All Resource Plans for Project
Select year
2022
2023
2024
2025
Sync
New row
Duplicate row(s)
Delete row(s)
Refresh
Org Unit
Resource Name
Org Unit
Resource Name
Phase / Task
Year
Total (days)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
1700 Zentrum für Protonentherapie (5) 0.0 0.0 0.0 0.0
1713 RTT (2) 40.0 16.4 23.6
1723 Dosimetrie und Imaging (7) 52.5 4.4 10.3 4.8 0.0 0.0 2.0 21.3 9.7
8331 Hallendienst (1) 9.0 5.9 3.1
8331 Hallendienst (1) 9.0 5.9 3.1
8331 Hallendienst 8331 Hallendienst dismantling old CT and Flück-Liege 2023 9.0 5.9 3.1
9131 Einkauf (1) 0.0 0.0
9210 Immobilien (6) 70.4 4.3 8.7 14.6 9.1 0.6 9.5 1.7 21.9
9332 Elektroanlagen 2 (7) 99.3 11.4 15.7 4.3 4.3 0.6 47.0 1.1 14.9
9350 Gebäudetechnik (6) 63.6 11.4 15.7 4.3 4.3 0.6 17.0 0.7 9.6
9621 Überwachungssysteme (1) 18.5 7.1 11.4
Columns
Linkage to phase/task
Resource table = data master for reporting
(Use 'Sync' to get data from TPG Scheduler)

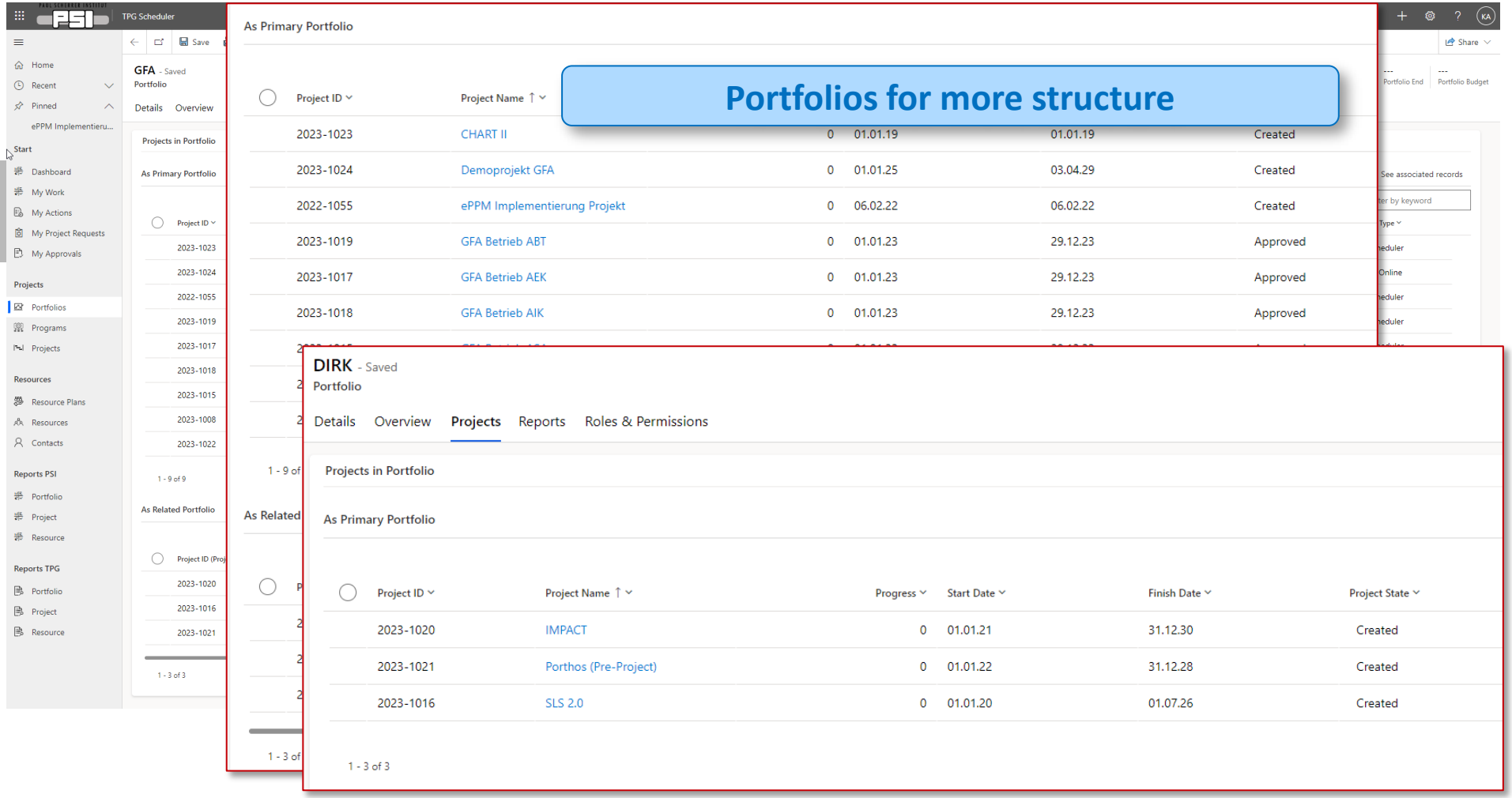

optional: Structuring via
Project Breakdown Structure (PBS)
TPG Scheduler
ZPT-CT3-Ersatz - Saved
Project
Generic Project
Active for 23 days
P0 - Preparation (23 D)
Completed
Details
Overview
PBS
Schedule
Cost Plan
Resource Plan
Risks
Changes
Status Update
Reports
Roles & Permissions
Actions
WP1: WTO Evaluation
WP2: Technical Installation of the new planning CT3
WP3: Clinical/user aspects of CT3 replacement
WP4: Table/couches
WP5: CT3 integration in treatment planning system
WP6: Commissioning of CT3
WP7: BAG/QA
WP8: Novel features

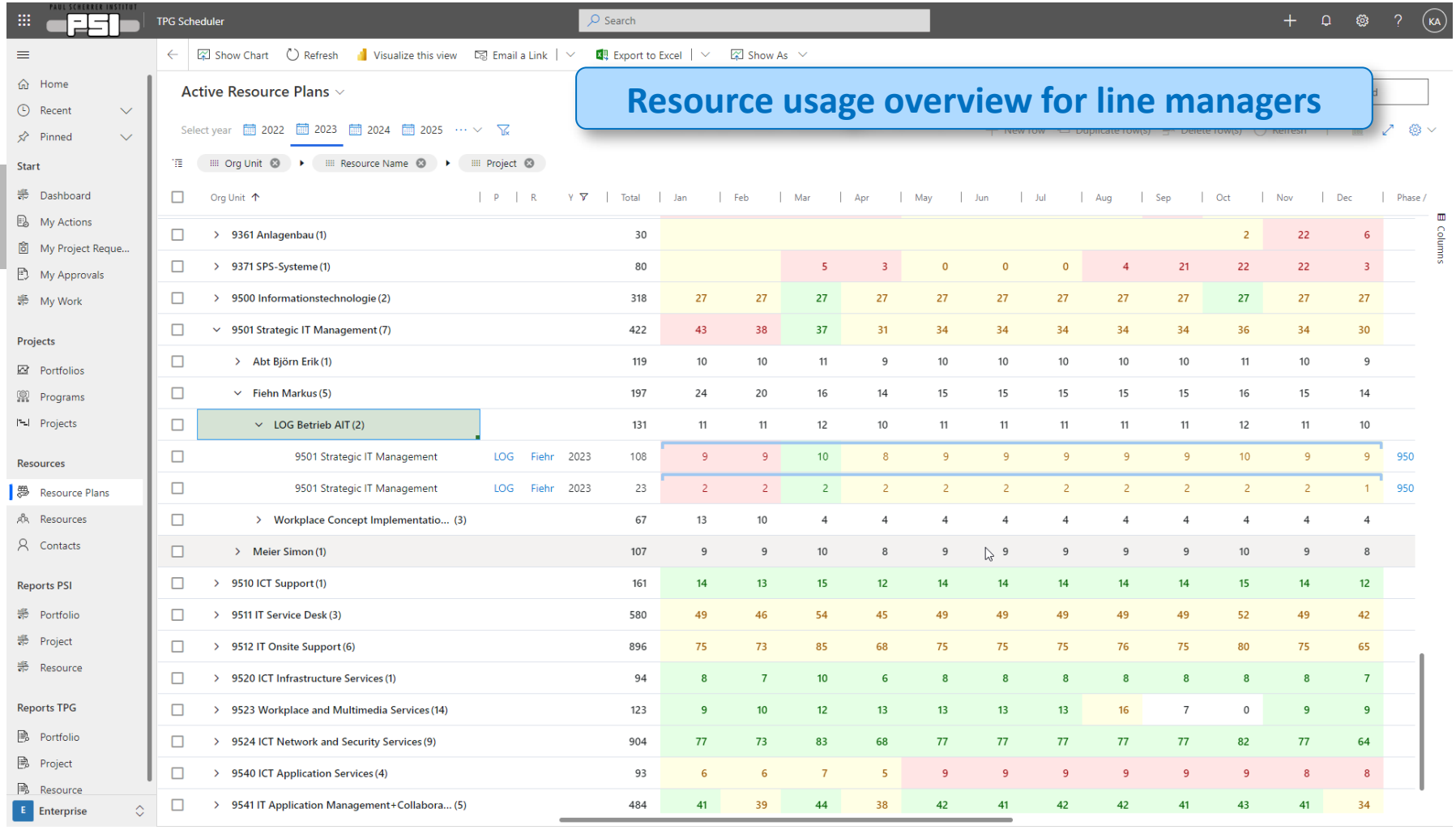


PBS Element Name	PBS Code	PBS Element Name	PSP-Code	PBS Parent	Comment
SLS 2.0 (84)	1	SLS 2.0			
SLS 2.0 Projekt Office (22)	1.1	SLS 2.0 Projekt Office	8.80002.001	SLS 2.0	
SLS 2.0 Regie Manpower (17)	1.1.01	SLS 2.0 Regie Manpower	8.80002.001.01	SLS 2.0 Projekt Office	
SLS 2.0 Project fixed term contracts	1.1.02	SLS 2.0 Project fixed term contracts	8.80002.001.02	SLS 2.0 Projekt Office	
SLS 2.0 Project Management 1 (2)	1.1.03	SLS 2.0 Project Management 1	8.80002.001.03	SLS 2.0 Projekt Office	
SLS 2.0 Infrastructure & Logistics (13)	1.2	SLS 2.0 Infrastructure & Logistics	8.80002.002	SLS 2.0	
SLS 2.0 Civil Engineering	1.2.01	SLS 2.0 Civil Engineering	8.80002.002.01	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 SPS/PLC Systems	1.2.02	SLS 2.0 SPS/PLC Systems	8.80002.002.02	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Electrical Installation	1.2.03	SLS 2.0 Electrical Installation	8.80002.002.03	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Building Infrastructure	1.2.04	SLS 2.0 Building Infrastructure	8.80002.002.04	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Cooling	1.2.05	SLS 2.0 Cooling	8.80002.002.05	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Cryogenics	1.2.06	SLS 2.0 Cryogenics	8.80002.002.06	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Radiation Protection	1.2.07	SLS 2.0 Radiation Protection	8.80002.002.07	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Safety	1.2.08	SLS 2.0 Safety	8.80002.002.08	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Manufacturing & Assembling	1.2.09	SLS 2.0 Manufacturing & Assembling	8.80002.002.09	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Alignment	1.2.10	SLS 2.0 Alignment	8.80002.002.10	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Technical Coordination Beamlines	1.2.11	SLS 2.0 Technical Coordination Beamlines	8.80002.002.11	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Technical Coord. & Logistics , Mach...	1.2.12	SLS 2.0 Technical Coord. & Logistics , Machine	8.80002.002.12	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 I-TOMCAT Infrastructure	1.2.13	SLS 2.0 I-TOMCAT Infrastructure	8.80002.002.13	SLS 2.0 Infrastructure & Logistics	
SLS 2.0 Controls & Science IT (7)	1.3	SLS 2.0 Controls & Science IT	8.80002.003	SLS 2.0	
SLS 2.0 Electronics and Controls AEK	1.3.01	SLS 2.0 Electronics and Controls AEK	8.80002.003.01	SLS 2.0 Controls & Science IT	
SLS 2.0 Network / IT-Infrastructure	1.3.02	SLS 2.0 Network / IT-Infrastructure	8.80002.003.02	SLS 2.0 Controls & Science IT	
SLS 2.0 Science IT	1.3.03	SLS 2.0 Science IT	8.80002.003.03	SLS 2.0 Controls & Science IT	

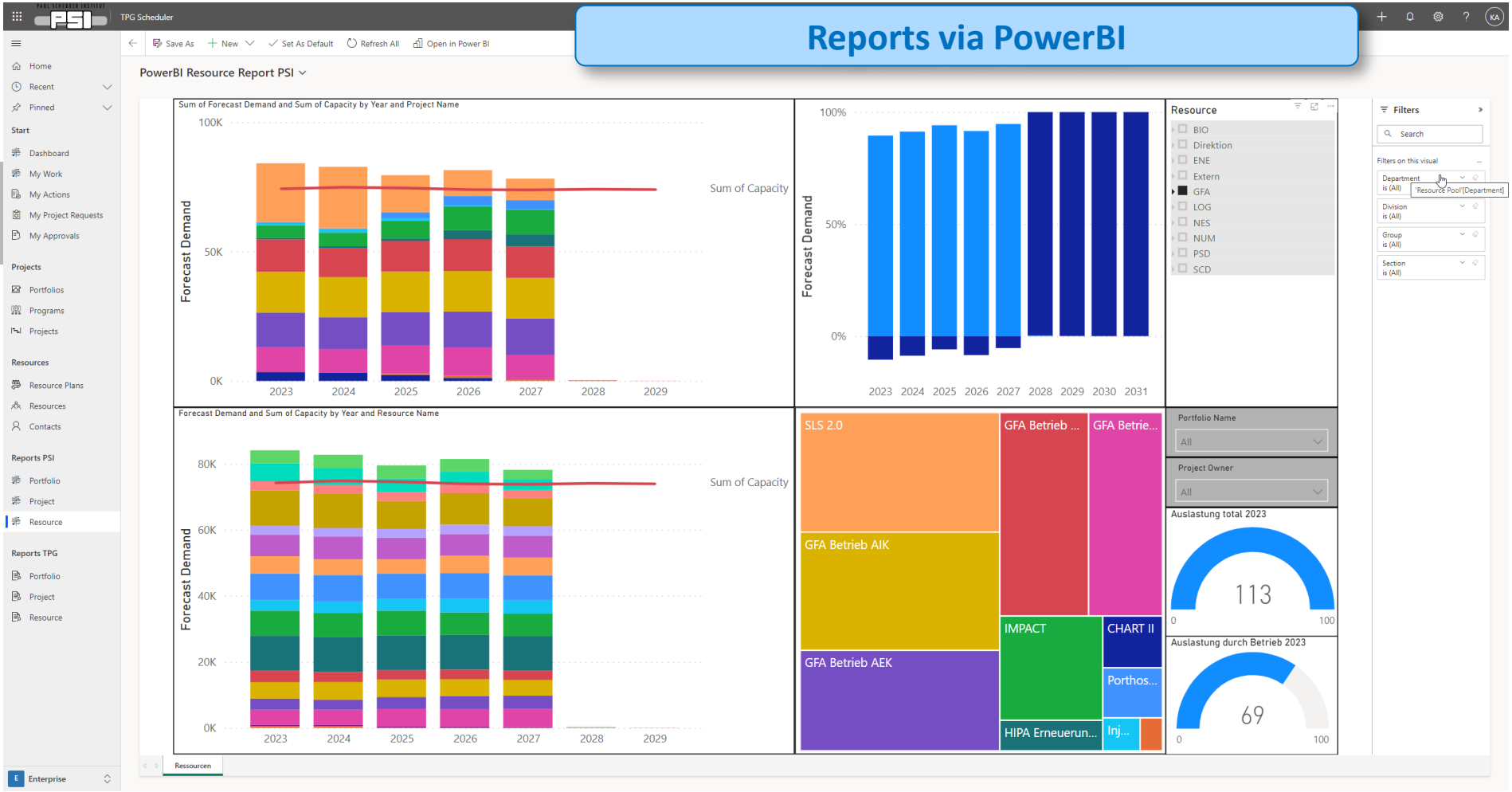

TPG Scheduler
Search
Save
Save & Close
Deactivate
Refresh
Check Access
Process
Flow
Update Estimates
Share
Home
Recent
Pinned
Start
Dashboard
My Work
My Actions
My Project Requests
My Approvals
Projects
Portfolios
Programs
Projects
Resources
Resource Plans
Resources
Contacts
Reports PSI
Portfolio
Project
Resource
Reports TPG
Portfolio
Project
Resource
Enterprise
HIPA Erneuerungsprojekt - Saved
Project
Generic Project
Active for 14 days
P0 - Preparation (9 D)
P1 - Concept Initia
Completed
Created
Project State
Yellow
Overall KPI
0
% Complete
Cost planning via cost table
Details
Overview
PBS
Schedule
Cost Plan
Resource Plan
Risks
Changes
Status Update
Reports
Roles & Permissions
Actions
All Financials
Select year
2022
2023
2024
2025
Sync PBS
New row
Duplicate row(s)
Delete row(s)
Refresh
Cost Position
Columns
Cost Position
Cost Type
Year
Total (CHF)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Vakuum Pumpen- und Steuerungserneuerung (10) 3'035'000 3'035'000
Speisegeräteerneuerung (7) 1'905'000 1'905'000
Speisegeräteerneuerung Forecast 2025 536'000 536'000
Speisegeräteerneuerung Forecast 2026 200'000 200'000
Speisegeräteerneuerung Forecast 2027 400'000 400'000
Speisegeräteerneuerung Forecast 2028 200'000 200'000
Speisegeräteerneuerung Forecast 2029 200'000 200'000
Speisegeräteerneuerung Forecast 2030 200'000 200'000
Speisegeräteerneuerung Forecast 2031 169'000 169'000
HF-Teststand (3) 3'260'000 3'260'000
FLATTOP System (6) 6'460'000 6'460'000
Elektronik Erneuerung (3) 860'000 860'000
Einbauten (5) 1'230'000 1'230'000
BPM Erneuerung (7) 2'400'000 2'400'000
50 MHz Ringspeisung (8) 24'000'000 24'000'...
Project Estimates
Progress
0 %
Total Budget ---
Total Forecast CHF 43'150'000
Total Actual ---
Total Effort (days) 10'392.00


TPG Scheduler
Search
Show Chart
New
Delete
Refresh
Visualize this view
Export to Excel
Email a Link
Flow
Show As
Home
Recent
Pinned
ePPM Implementieru...
Start
Dashboard
My Work
My Actions
My Project Requests
My Approvals
Projects
Portfolios
Programs
Projects
Resources
Resource Plans
Resources
Contacts
Reports PSI
Portfolio
Project
Resource
Reports TPG
Portfolio
Project
Resource
Enterprise
Active Portfolios
Filters
Filter by keyword
Portfolio Name
PSI PPM BOARDS (12)
BIO
CPT (1)
CPT Research Projects
DIRK (1)
DIRK Strategic
ENE
GFA
LOG
NES
NUM
PSD
SCD
TOPIC PPM BOARDS (4)
BaSi-BaKo
ElKo-ElGo
Forschungskommission [FoKo]
IT Board
USER Portfolios (1)
My Personal Portfolio
Portfolios for more structure
Portfolio Name
PSI PPM BOARDS (12) 41 Koschik Alexander
BIO 0 Cicchetti Gregor
CPT (1) 29 Veghini Dario Attilio
CPT Research Projects 1 Veghini Dario Attilio
DIRK (1) 3 Koschik Alexander
DIRK Strategic 0 Koschik Alexander
ENE 0 # Application User ePPM (Service)
GFA 9 Luethy Markus
LOG 0 Fiehn Markus
NES 0 # Application User ePPM (Service)
NUM 0 Keller Peter
PSD 0 # Application User ePPM (Service)
SCD 0 # Application User ePPM (Service)


TPG Scheduler
Save
GFA - Saved
Portfolio
Details
Overview
Home
Recent
Pinned
ePPM Implementieru...
Start
Dashboard
My Work
My Actions
My Project Requests
My Approvals
Projects
Portfolios
Programs
Projects
Resources
Resource Plans
Resources
Contacts
Reports PSI
Portfolio
Project
Resource
Reports TPG
Portfolio
Project
Resource
Projects in Portfolio
As Primary Portfolio
Project ID
2023-1023
2023-1024
2022-1055
2023-1019
2023-1017
2023-1018
2023-1015
2023-1008
2023-1022
1 - 9 of 9
As Related Portfolio
Project ID (Proj
2023-1020
2023-1016
2023-1021
1 - 3 of 3
As Primary Portfolio
Project ID
Project Name
Portfolios for more structure
2023-1023 CHART II 0 01.01.19 01.01.19 Created
2023-1024 Demoprojekt GFA 0 01.01.25 03.04.29 Created
2022-1055 ePPM Implementierung Projekt 0 06.02.22 06.02.22 Created
2023-1019 GFA Betrieb ABT 0 01.01.23 29.12.23 Approved
2023-1017 GFA Betrieb AEK 0 01.01.23 29.12.23 Approved
2023-1018 GFA Betrieb AIK 0 01.01.23 29.12.23 Approved
1 - 9 of
As Related
1 - 3 of
Share
Portfolio End
Portfolio Budget
See associated records
Type
Online
DIRK - Saved
Portfolio
Details
Overview
Projects
Reports
Roles & Permissions
Projects in Portfolio
As Primary Portfolio
Project ID
Project Name
Progress
Start Date
Finish Date
Project State
2023-1020 IMPACT 0 01.01.21 31.12.30 Created
2023-1021 Porthos (Pre-Project) 0 01.01.22 31.12.28 Created
2023-1016 SLS 2.0 0 01.01.20 01.07.26 Created
1 - 3 of 3


TPG Scheduler
Search
Show Chart
Refresh
Visualize this view
Email a Link
Export to Excel
Show As
Home
Recent
Pinned
Start
Dashboard
My Actions
My Project Reque...
My Approvals
My Work
Projects
Portfolios
Programs
Projects
Resources
Resource Plans
Resources
Contacts
Reports PSI
Portfolio
Project
Resource
Reports TPG
Portfolio
Project
Resource
Enterprise
Active Resource Plans
Resource usage overview for line managers
Select year 2022 2023 2024 2025
Org Unit
Resource Name
Project
Org Unit P R Y Total Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Phase /
9361 Anlagenbau (1) 30 2 22 6
9371 SPS-Systeme (1) 80 5 3 0 0 0 4 21 22 22 3
9500 Informationstechnologie (2) 318 27 27 27 27 27 27 27 27 27 27 27 27
9501 Strategic IT Management (7) 422 43 38 37 31 34 34 34 34 34 36 34 30
Abt Björn Erik (1) 119 10 10 11 9 10 10 10 10 10 11 10 9
Fiehn Markus (5) 197 24 20 16 14 15 15 15 15 15 16 15 14
LOG Betrieb AIT (2) 131 11 11 12 10 11 11 11 11 11 12 11 10
9501 Strategic IT Management LOG Fiehr 2023 108 9 9 10 8 9 9 9 9 9 10 9 9 950
9501 Strategic IT Management LOG Fiehr 2023 23 2 2 2 2 2 2 2 2 2 2 2 1 950
Workplace Concept Implementatio... (3) 67 13 10 4 4 4 4 4 4 4 4 4 4
Meier Simon (1) 107 9 9 10 8 9 9 9 9 9 9 10 9 8
9510 ICT Support (1) 161 14 13 15 12 14 14 14 14 14 15 14 12
9511 IT Service Desk (3) 580 49 46 54 45 49 49 49 49 49 52 49 42
9512 IT Onsite Support (6) 896 75 73 85 68 75 75 75 76 75 80 75 65
9520 ICT Infrastructure Services (1) 94 8 7 10 6 8 8 8 8 8 8 8 7
9523 Workplace and Multimedia Services (14) 123 9 10 12 13 13 13 13 16 7 0 9 9
9524 ICT Network and Security Services (9) 904 77 73 83 68 77 77 77 77 77 82 77 64
9540 ICT Application Services (4) 93 6 6 7 5 9 9 9 9 9 9 8 8
9541 IT Application Management+Collabora... (5) 484 41 39 44 38 42 41 42 42 41 43 41 34
Columns

Reports via PowerBI



Summary

- PM@PSI: **Unify and improve project management** at PSI
- PM@PSI and ePPM platform (tool) in **pilot phase**
- Main ePPM functionality ready for use at PSI
- **Interested Pilot Users** contact:
  - Alexander Koschik
  - Markus Fiehn
- Thanks for your attention

Agenda

Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
11.30 – 11.45	Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services	Ronny Peterhans
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

Information / Update AWI

Alun Ashton, AWI

PAUL SCHERRER INSTITUT

PSI

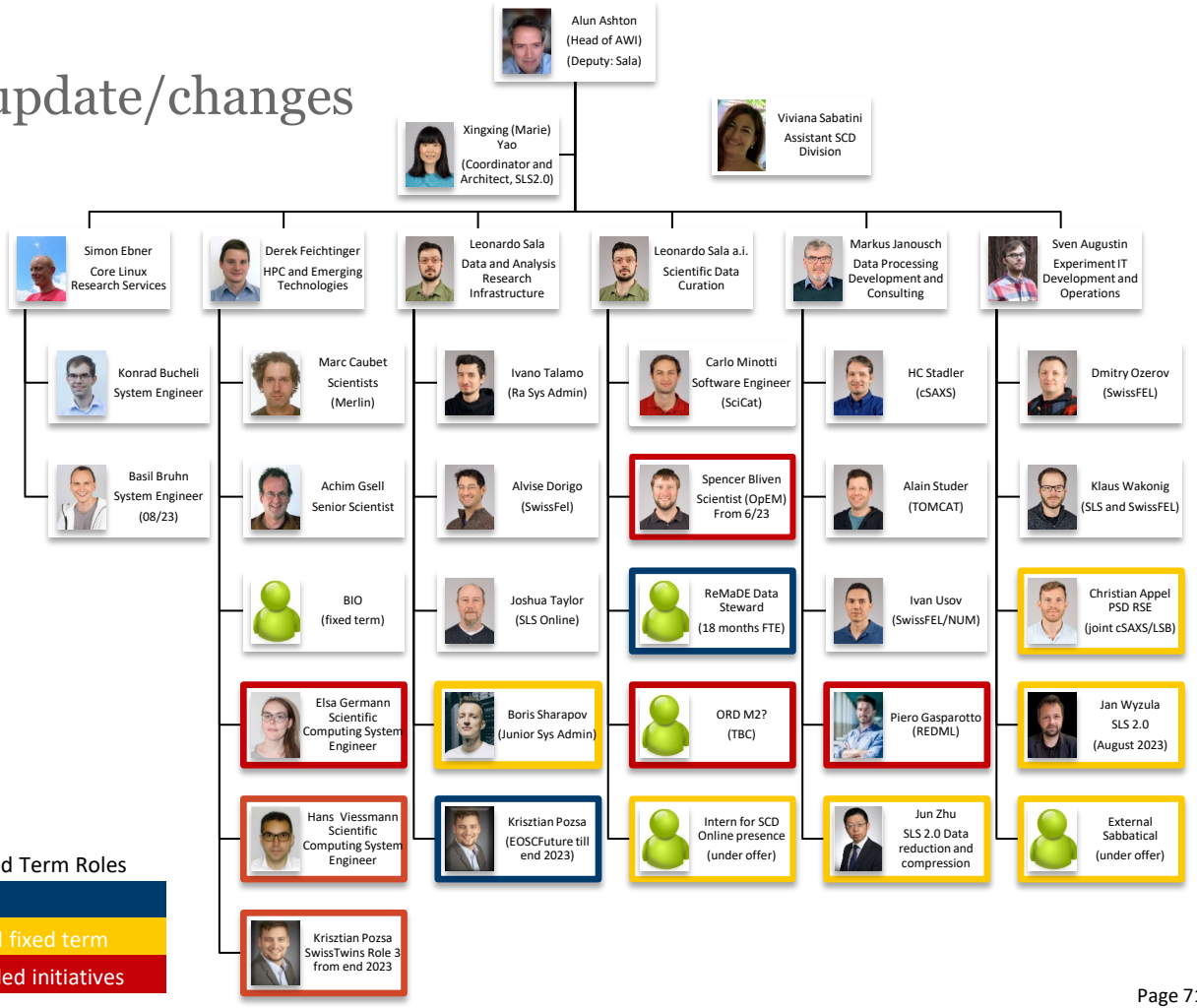
Alun Ashton :: Head of Science IT :: Paul Scherrer Institute

Information / Update AWI

IT Quartalsinfo / 29.08.2023

Staffing status/update/changes

- Recent:
  - Basil, Jan and Christian joined
  - Stephan has retired, Leo a.i.
- New
  - Leo officially dept Deputy.
  - Krisz will move sideways

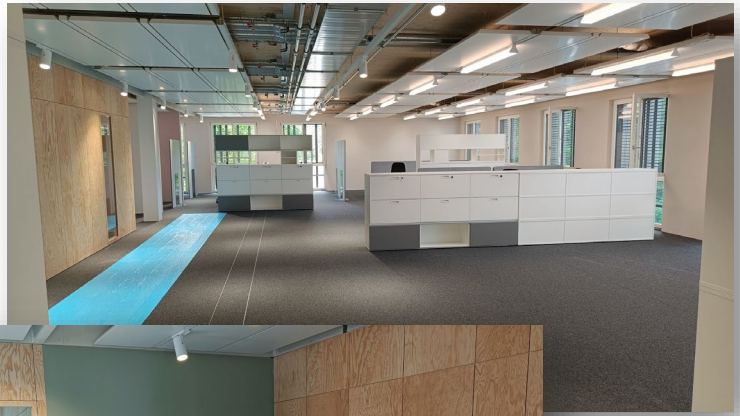


Key to Fixed Term Roles

EU Funded
PSI Funded fixed term
Swiss Funded initiatives

Relocation to OBBA in September

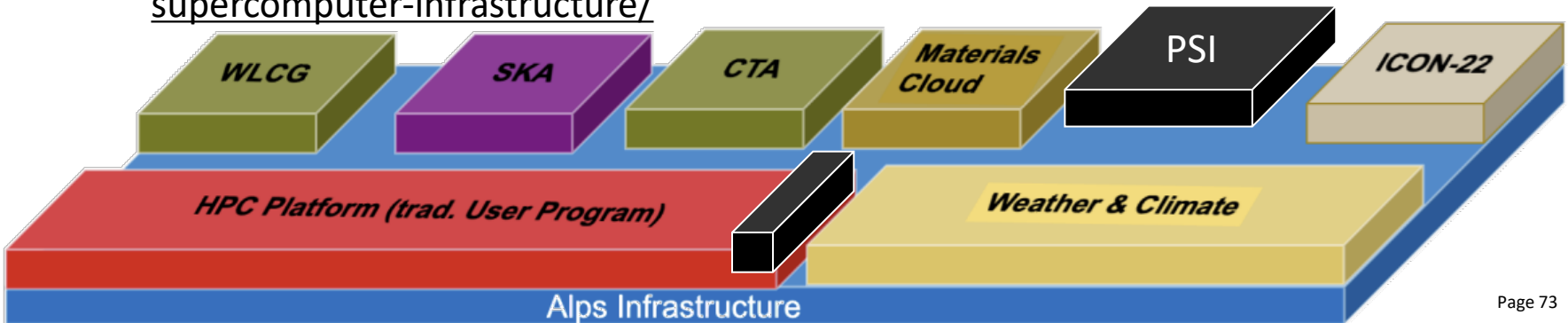
- Top floor of the dark tower in the East
- Hot desk scenario, ‘rules’ being discussed in a parallel meeting now



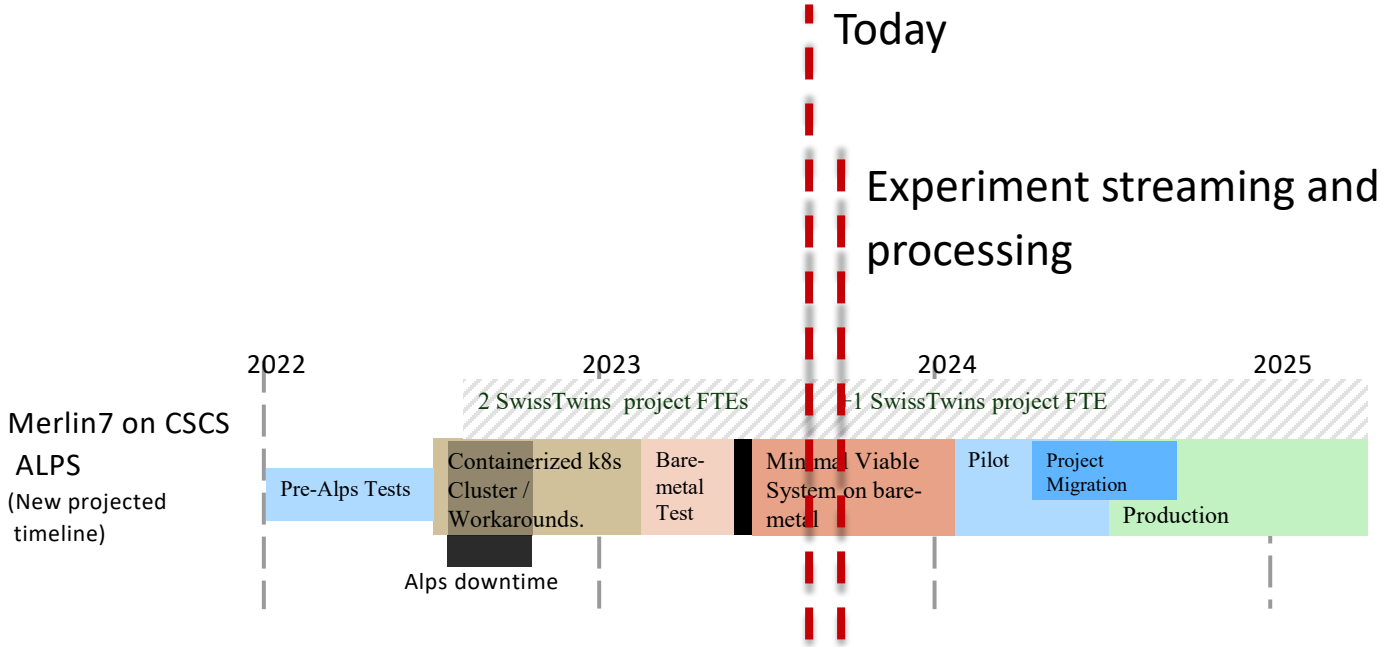
TransAlps and SwissTwins

- In the July DIRK a funding model and source were agreed for 2024 and 2025
- The new resources will give us approximately double the CPUs and 33% more storage at an annual cost of circa 1MCHF/yr
- Merlin6 main storage warranty extended till end of 2024 out of “an abundance of caution”

- Background Article in Technical Publication April 2023. https://www.hpcwire.com/2023/04/05/into-the-alps-what-exactly-is-the-new-swiss-supercomputer-infrastructure/



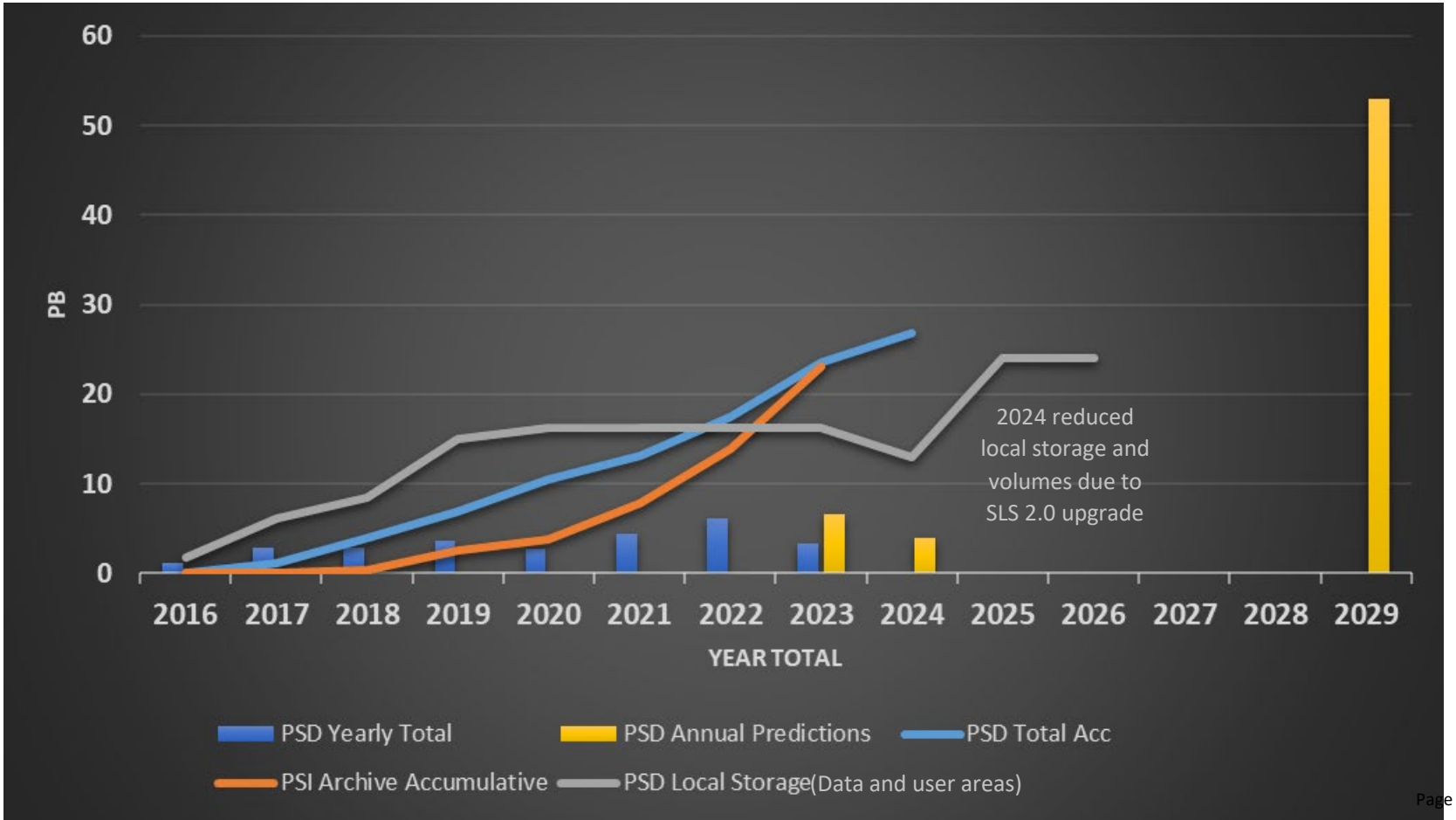
TranAlps project progress



SciCat operations

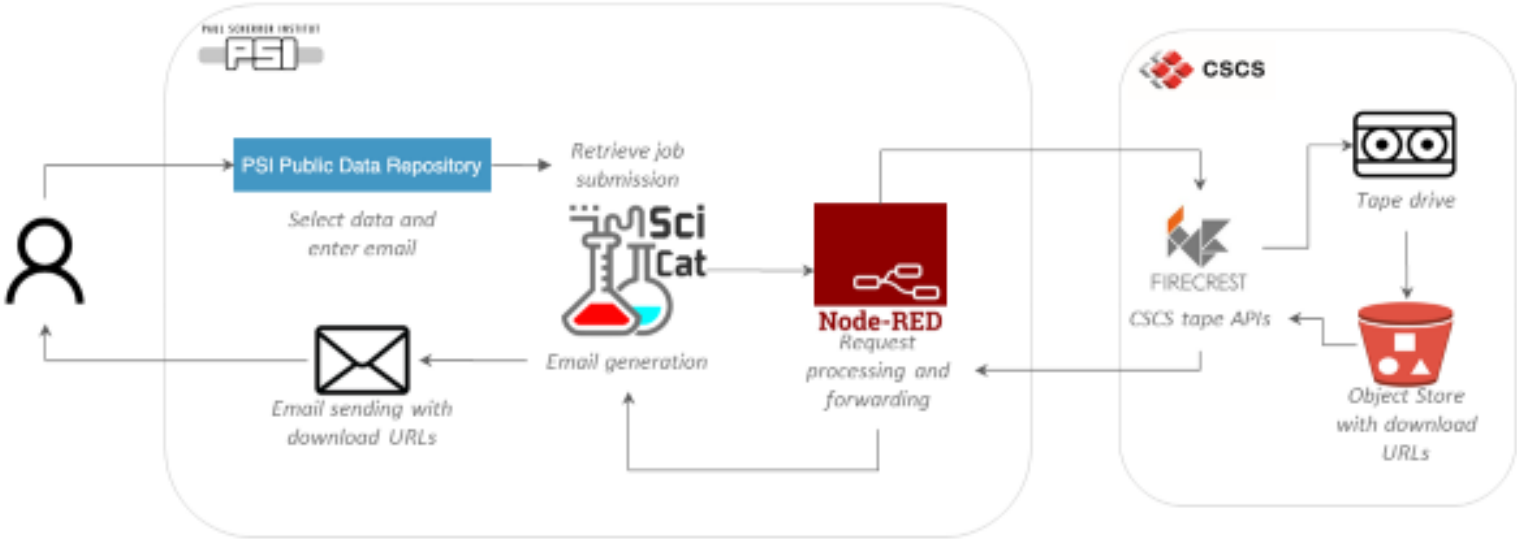
- First version of status page online
- all k8s clusters updated to 1.26.3
- outcome from last international SciCat dev meeting hosted in UK:
  - focus on search functionalities
- Statistics from SciCat based on metabase
- new k8s cluster (infrastructure), dedicated to mongo backup
- Improved documentation
- Scaled backend (both SciCat and SciLog) to improve availability and response time
  - session persistency guaranteed by MongoDB

PSI data volumes progress….



Current recovery of data from PSI

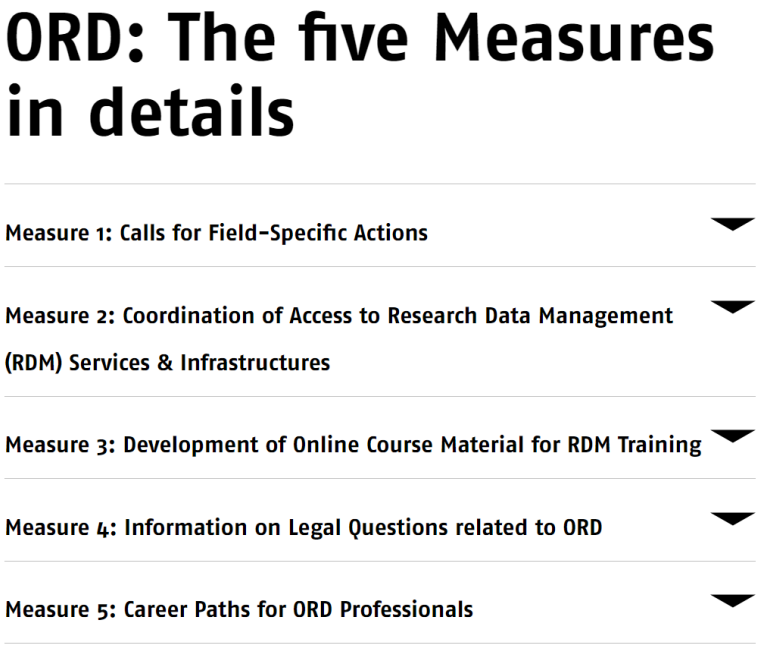
- Manual process to get data requested and staged at PSI for processing or at CSCS for download (and processing in the future)



- Data is not currently automatically made public at end of embargo period…..

Open Research Data

- https://intranet.psi.ch/en/ord PSI specific information (area still under development)
- https://ethrat.ch/en/eth-domain/open-research-data/ ETH ORD program details
- https://ethrat.ch/en/the-five-measures-in-details/
  - Measure 1
    - Contribute (< 30k, regular calls)
    - Explore (< 150k one more call)
    - Establish (< 1.5M deadline passed)
  - Measures 2 – 5 specialised calls.
- Swiss universities parallel call open.
  - Similar scheme but different timeline



Overall overview

ETH BOARD

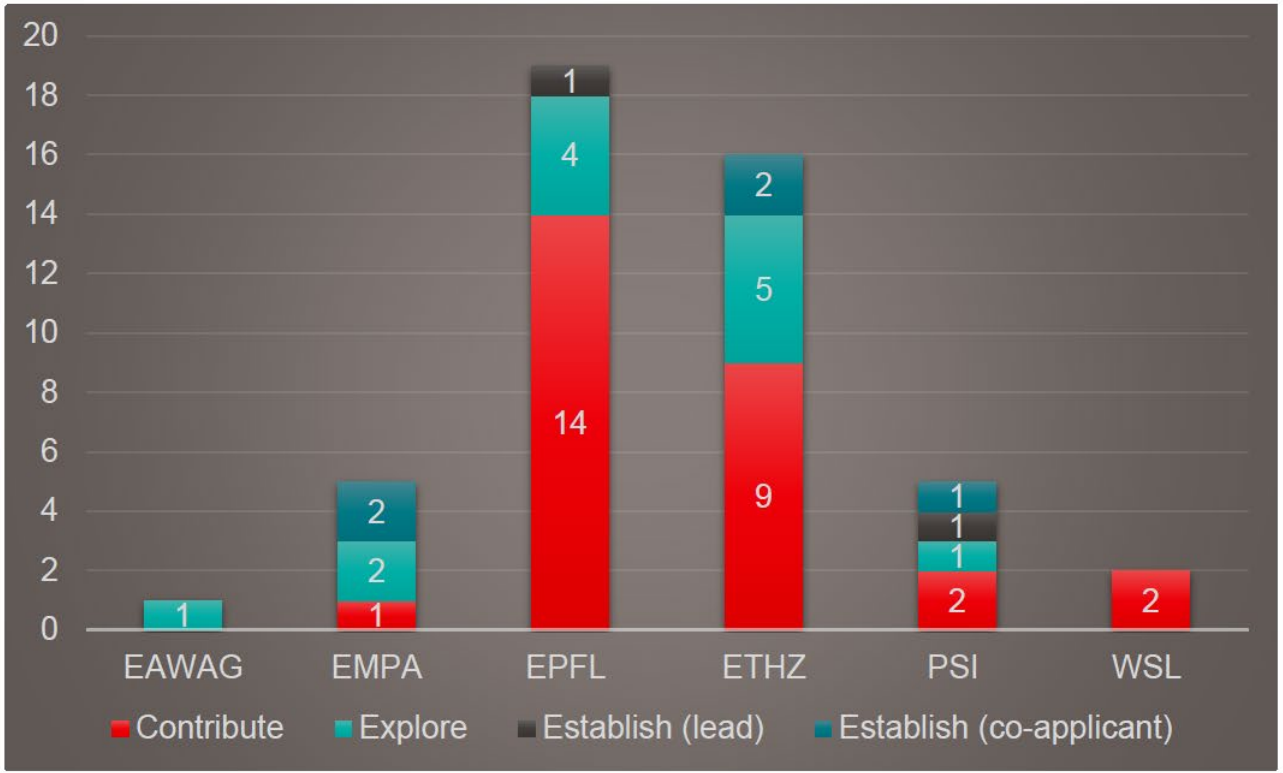
43 projects so far:

- 28 Contribute (excluding project that withdrew)
- 13 Explore
- 2 Establish

Estimated that around **additional 45-50 projects** to be selected in future calls

- Majority of projects have started **already or starting in September/October**
- Few Contribute projects being completed: final reporting

Overall: number of projects by institution



Timeline: next deadlines

6th call Contribute: mid-December 2023

2nd call Explore: February 2024

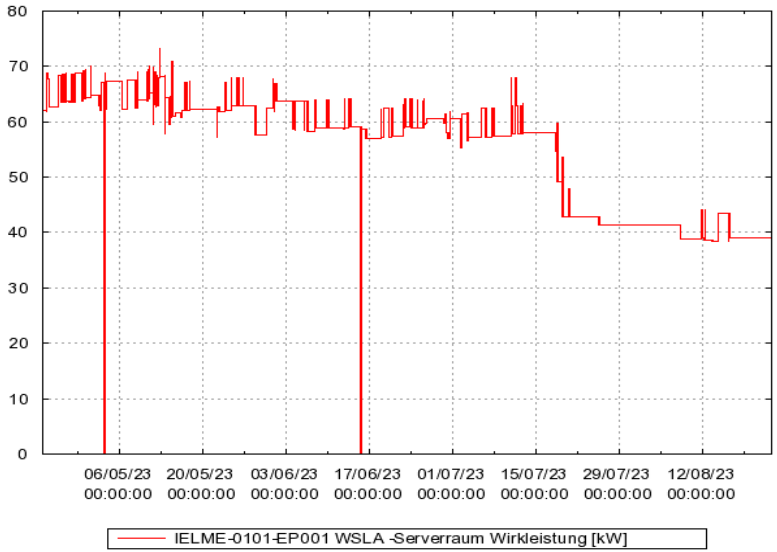
7th call Contribute: mid-April 2024

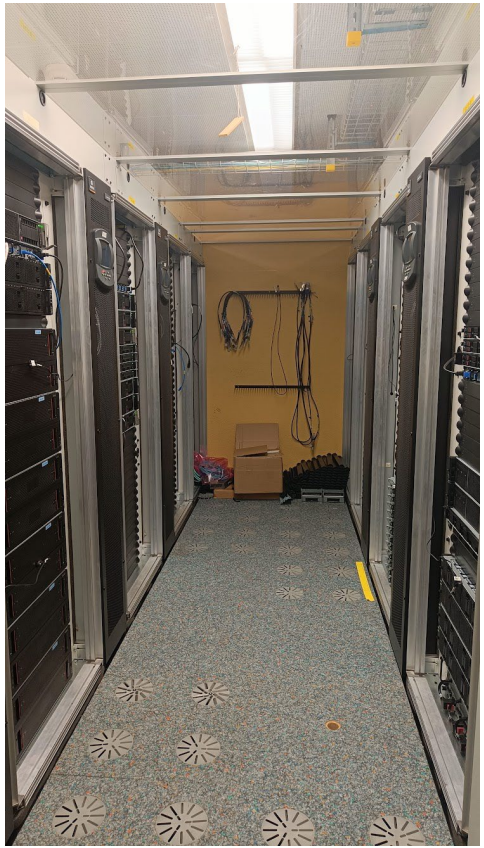
8th call Contribute: early September 2024

End date all projects (without no cost-extensions): **By summer 2026**

SLS Server room migration to WHGA progress

- RA migration fully underway





- As preparation for SLS2 tests and operations, 72 single mode fibers (that translates into 36 network connections) between WSLB and WHGA have been laid down in July.
- Several services also further tested e.g. data acquisition tests from SLS direct to WHGA servers and storage.

SLS 2.0

- SLS User Beam ends 25th of September, shutdown on 30th of September
- PSIM on 15th of September for general information update

- Beamlines are intensively collecting data before the start of dark time
  - Especially the Debye and PXIII new/upgraded beamlines

New access rules to SLS during DT

- During dark time whole SLS building special regulation (Exception Passerelle and offices/floor at offices)
  - Extra “Sicherheitsbelehrung” to be signed
    - Some details need to be refined
  - Extra “Helmpflicht” below crane
  - Extra “aktiven medizinischen Implantaten“ gesperrt. Permanent magnets

credits: Frithjof

- New controlled zones on the floor for equipment from the tunnel
- During commission (starting End Dec 2024) whole SLS building controlled zone
  - Meeting rooms not PSI wide bookable (to be done)
  - Also offices need dosimeter

- Installation work of heavy equipment (all tunnel work, larger installation at beamlines, not referring to use of equipment at the beamlines)
  - Not alone
  - During regular working hours (7:00 – 17:00), or info via DAM Meeting

Agenda

Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
11.30 – 11.45	Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services	Ronny Peterhans
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

Information / Update Controls

Sima Baymani, Controls

PAUL SCHERRER INSTITUT

PSI

Sima Baymani :: Head of Section Control Systems :: Paul Scherrer Institute

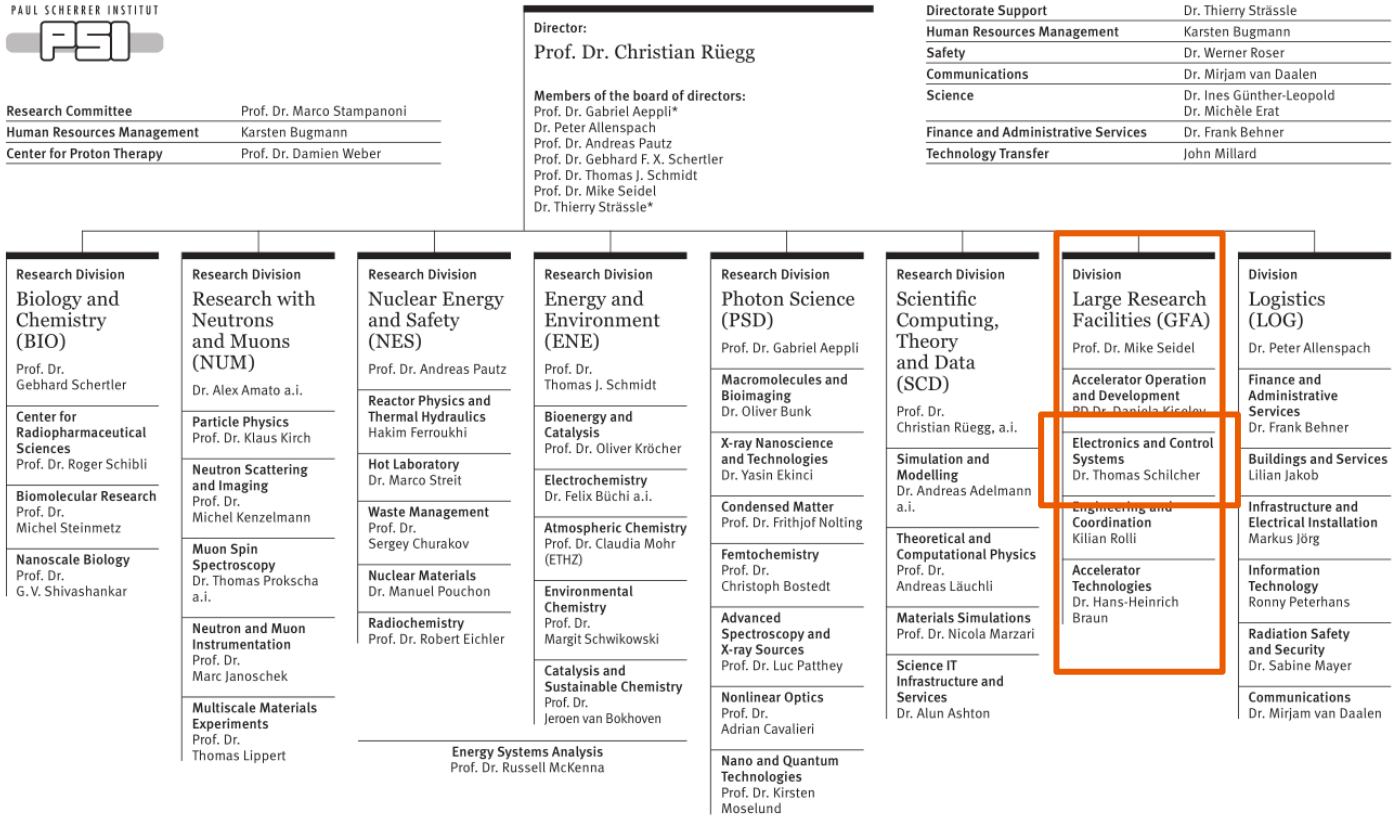
IT Quartalsinfo – Controls update

23.2.2023

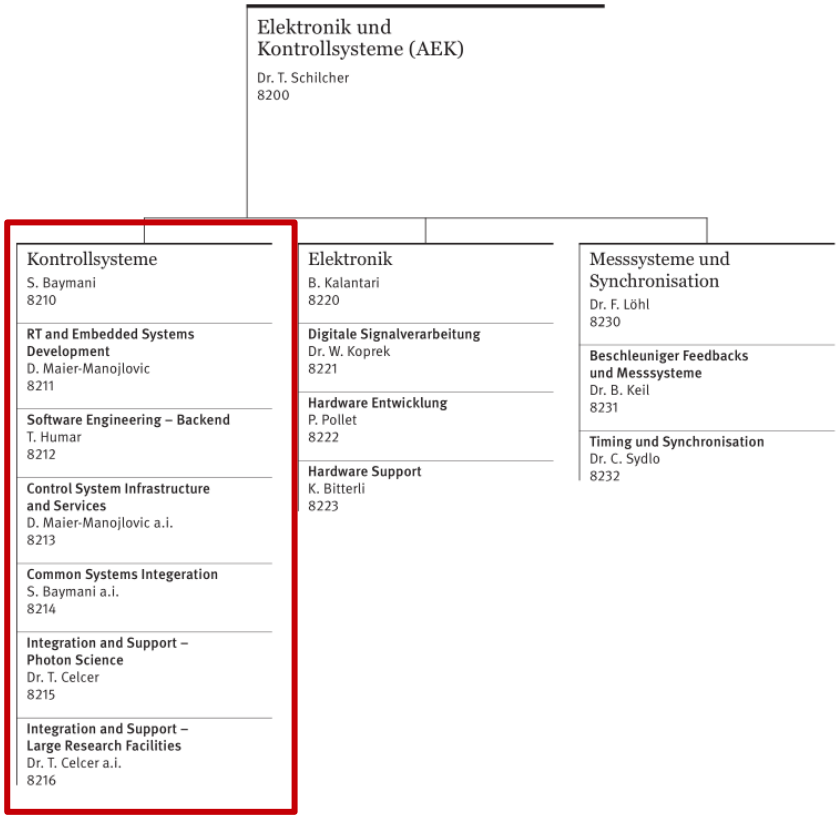
Today's agenda

- Controls overview and intro
- Controls contacts
- Controls in numbers
- Ongoing activities

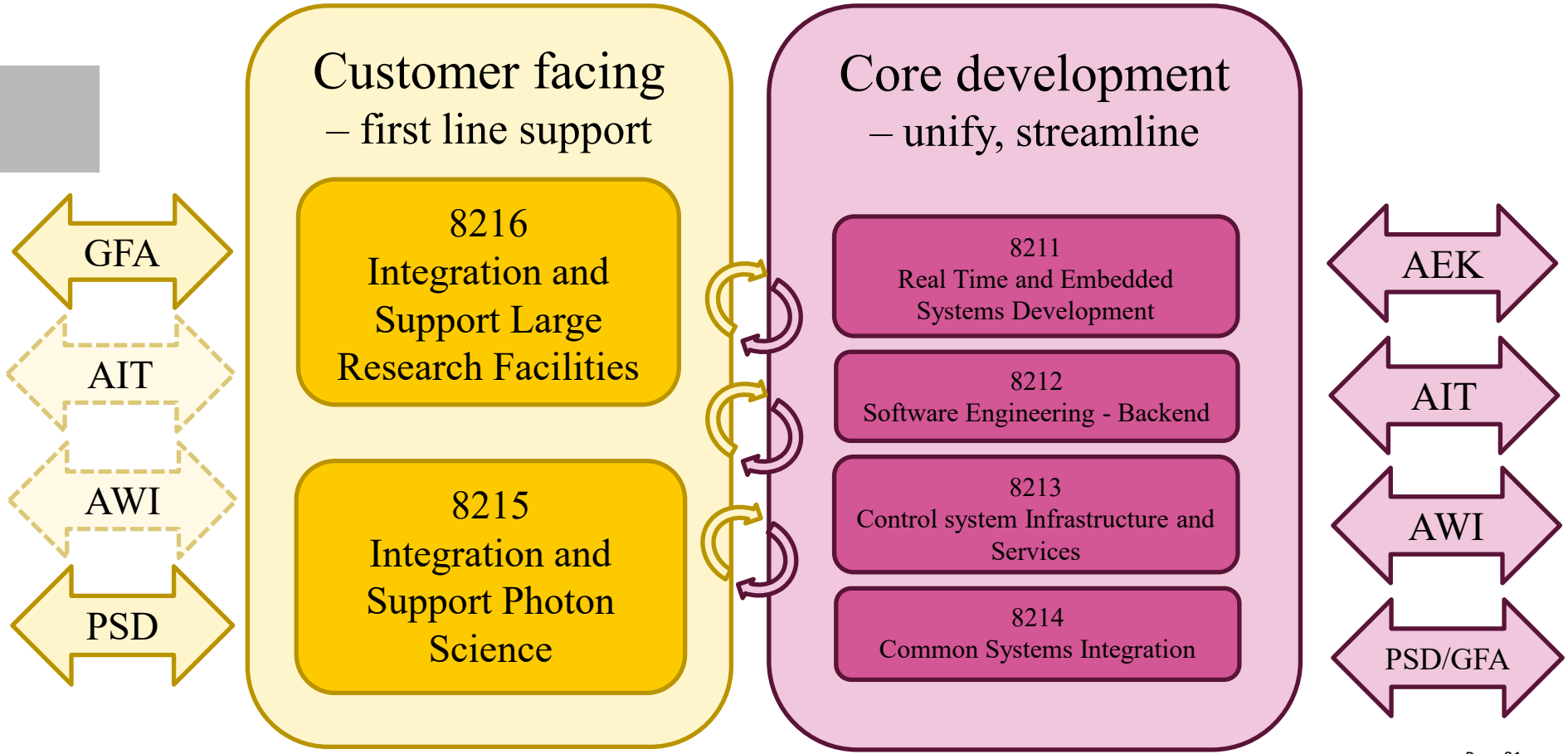
Controls at the Division Level



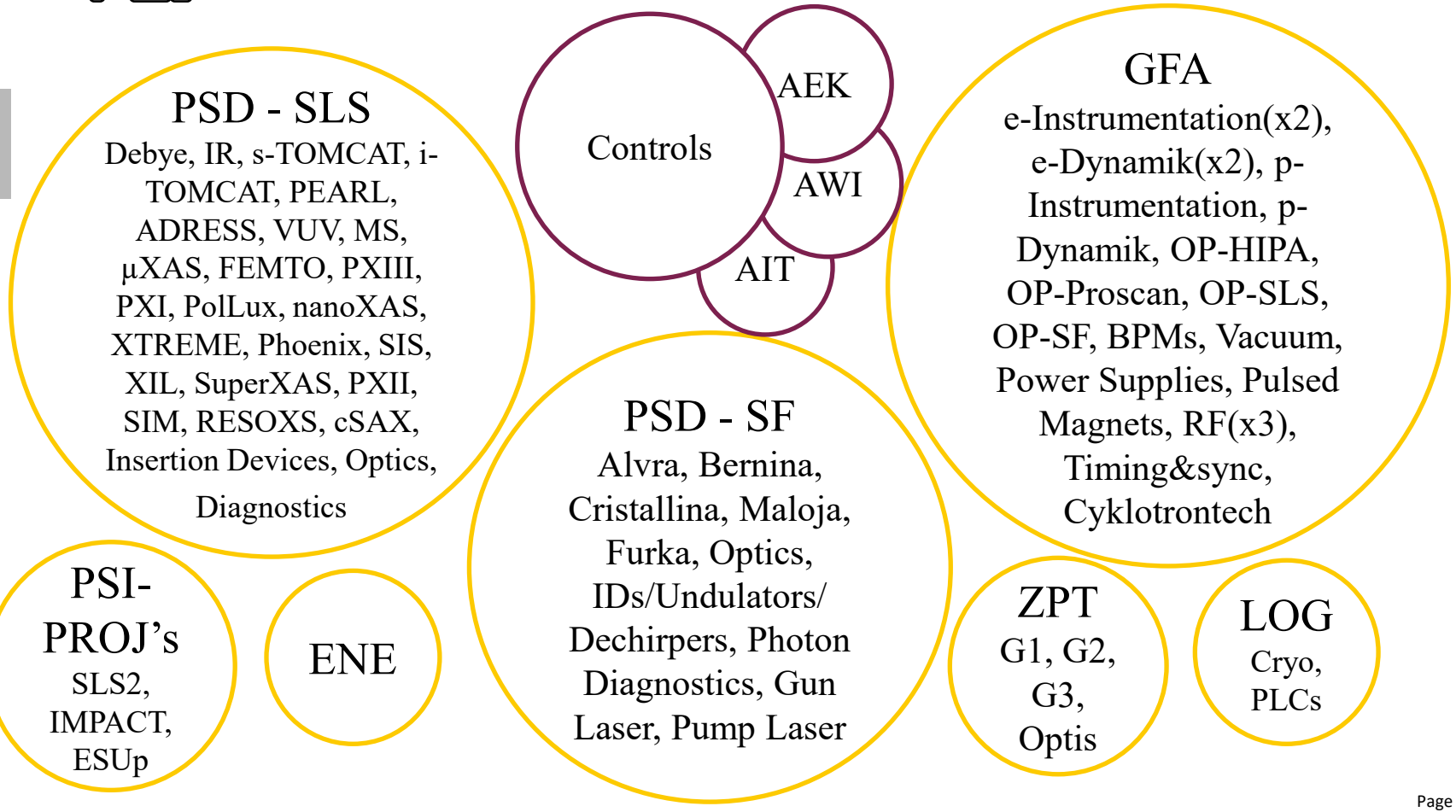
Controls at the Department Level



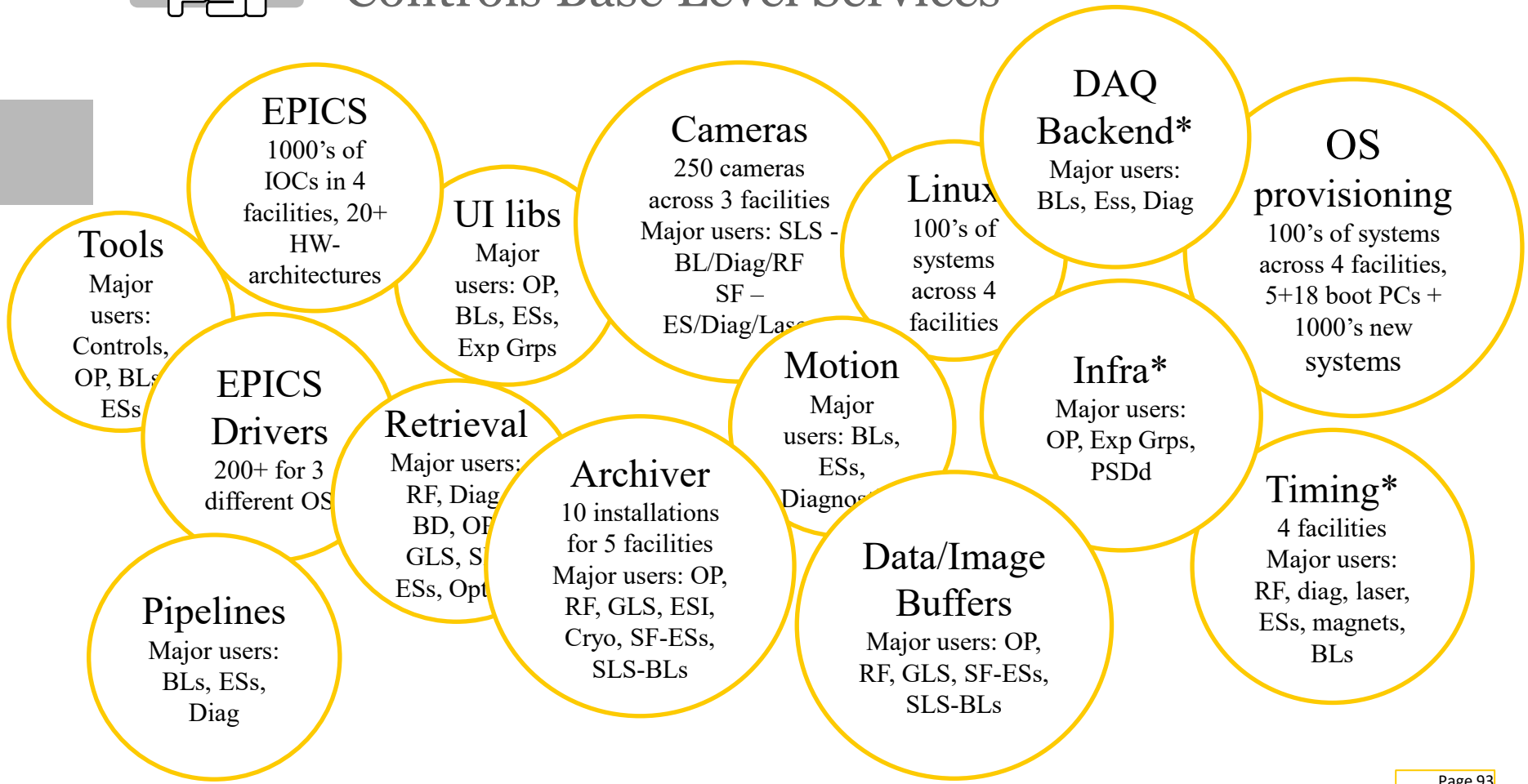
Controls Internal Organization



Our Stakeholders and Collaborators

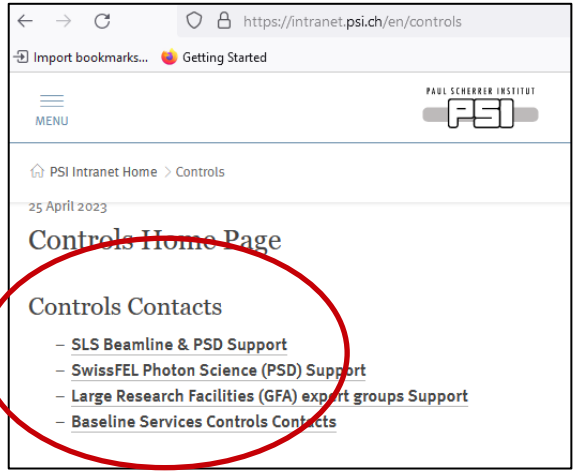


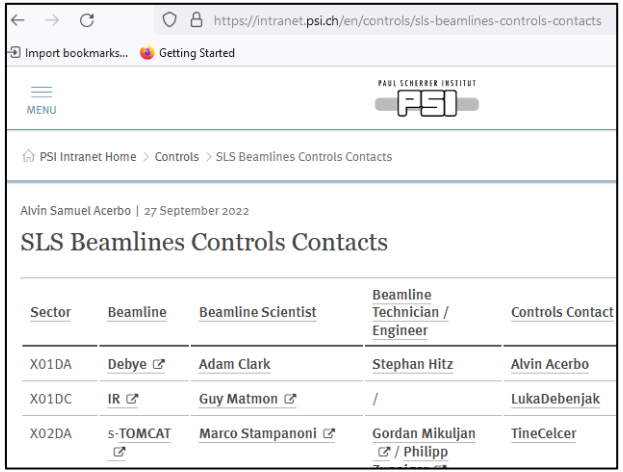
Controls Base Level Services



Contacting Controls

- https://intranet.psi.ch/en/controls (WIP)
- https://intranet.psi.ch/en/controls/sls-beamlines-controls-contacts
- https://intranet.psi.ch/en/controls/swissfel-photon-science-psd-controls-contacts
- https://intranet.psi.ch/en/controls/large-research-facilities-gfa-controls-contacts
- https://intranet.psi.ch/en/controls/controls-baseline-services-contact-list





Controls in Numbers: Operational Infrastructure

- 6(+1) Facilities (Cryo, ESI, HIPA, Proscan, SwissFEL, SLS(2))
- 28 Beamline/Endstation Subnets
- 477 VM's on GFA cluster

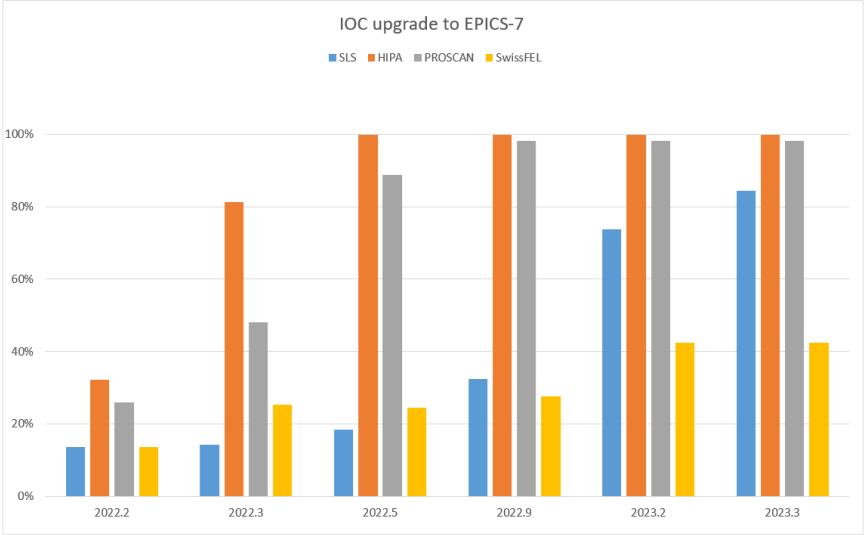
- 657 RHEL7 systems
- 63 RHEL8 systems (ESI platform IOC's already migrated)

- 41 WinSRV2016 systems (39 CamSRV, 2 Beckhoff Twincat)
- 18 WinSRV2019 systems (13 CamSRV, 5 Beckhoff TwinCat)
- 7 Win7/Win10 desktop systems (not ideal) (4 MX, 2 TOMCAT, 1 test)

Controls in Numbers: EPICS 7 at PSI

- Major endeavor to migrate from EPICS 3.14 to EPICS 7 across all facilities (EPICS base, drivers etc)
- In total 1191 of 1995 IOCs (60%) are upgraded to EPICS 7
- EPICS 7 will be the only version used after the SLS 2 Dark Time
- New: 107 SF PowerBrick IOCs migrated! *SF = 51% migrated*

SLS	HIPA	PROSCAN	SwissFEL
84%	100%	98%	42%



Slide: E.Zimoch. Numbers are provided by D. Zimoch after each SLS shutdown

Ongoing Activities (Selection)

- Finalize transition to EPICS 7
- Encourage and support RHEL8 migration
- Prepare for RHEL9 impact
- General life cycle management
- Prepare for SLS2 (steep ramp up in 2024)
- Increase monitoring of our systems for preventative and proactive measures
- Unify backend services (archiver, data and image buffer backends into one)

- Recruitment
- 2022: 4 vacancies, 2 retirements
- 2023: 4 positions filled, 2 remain
- 2024: +3 retirements

Major loss of knowledge and work velocity

- **Seek strategic collaboration and partnership with AIT and AWI, increase exchange**

PAUL SCHERRER INSTITUT

PSI

Questions?

Agenda

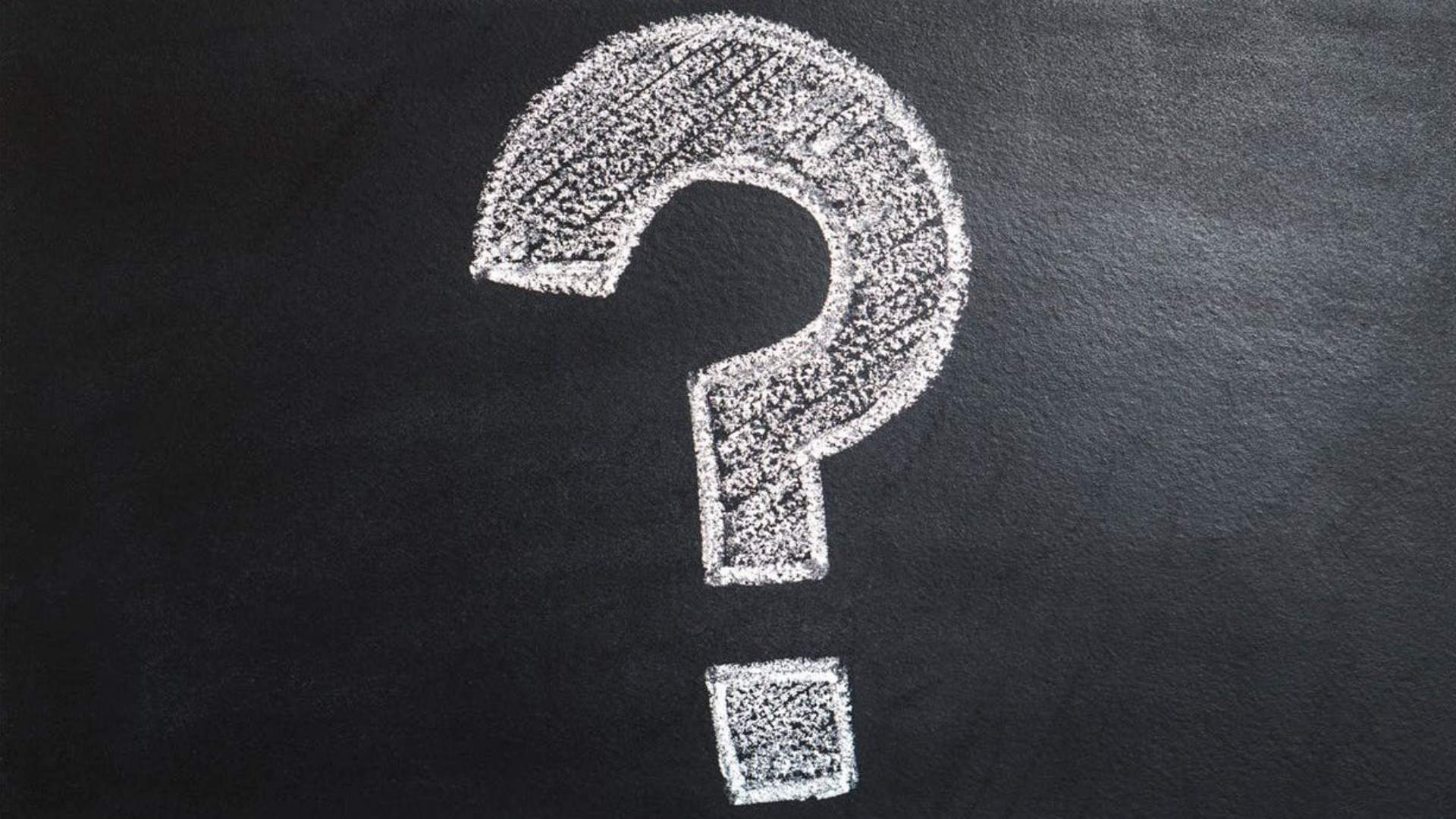
Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
~~11.30 – 11.45~~	~~Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services~~	~~Ronny Peterhans~~
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

Agenda

Time	Topic	Responsible
09.00 – 09.10	Welcome & General Update	Ronny Peterhans
09.10 – 09.35	Information / Update AIT	Ronny Peterhans
09.35 – 10.05	5 Years with SCRUM – an Experience Report	Rico Besson
10.05 – 10.40	Break (with coffee and croissants)	Tanja Wagner
10.40 – 11.00	PM@PSI & ePPM Platform	Alexander Koschik, Dario Veghini
11.00 – 11.15	Information / Update AWI	Alun Ashton
11.15 – 11.30	Information / Update Controls	Sima Baymani
11.30 – 11.45	Status Report RISE-IT – ETH **R**esearch **I**nstitutes looking for **S**ynergies **E**valuation of **IT** Services	Ronny Peterhans
11.45 – 12.00	Q & A / Closing	Ronny Peterhans

Formalia

- **Next IT Quarterly Info 2023:**
  - ✅ Thursday, 23 February 2023
  - ✅ Tuesday, 23 May 2023
  - ✅ Tuesday, 29 August 2023
  - – Wednesday, 29 November 2023



thank
you

PAUL SCHERRER INSTITUT

Wir schaffen Wissen – heute für morgen

Thank you very much for your attention and many thanks to the contributing persons!