

Coordinated IT

MMK

Project management ITA
johan.junhav@ki.se



Coordinated IT at KI



Background:

The National Audit Office conducted an audit of Swedish universities, highlighting critical IT-security deficiencies.



KI's Response:

In response, Karolinska Institutet launched the Coordinated IT program in 2013 with two primary objectives:

Strengthen IT security.

Improve IT management and resource efficiency.



Implementation:

The program focuses on standardizing key IT services and centralizing their responsibility and delivery. The decision was made by the Board and the University Director, assigning ITA (the central IT department) to lead the project in close collaboration with KI departments.



Coordinated IT – Overall status

Delivered				Ongoing		Planned	
		2021	2022	2023	2024	2025	2026
GPH	KM	LIME		MEB			
SÖS	IMM		KIDS	Dentmed			
CMB	FyFa		MedS		OnkPat		
Neuro	MBB				KBH		
MTC	NVS				MMK		
MedH	Cintec					CNS	
Labmed	Bionut						KIB

Sam IT Transition Project

- **Client:** University Director
- **Executor:** Sam IT MMK Project (with representatives from ITA and MMK)
- **Steering Group:** Representatives from ITA and MMK
- **Timeline:** Q4 2024 – Q4 2025
- **Objective:** Transition local IT to central IT (**Sam IT**)
- **Scope:**
 - ✓ **Included:** Standardized client-based IT services (computers, support, security)
 - ✓ **Remain Locally Managed:** Specialized systems and custom-developed solutions (lab and instrument computers)

Impact on MMK Users

- All identified KI computers will transition to the new client platform, Karyon.
- This will occur either through a device replacement or migration of an existing computer.
- All client-based IT support will be managed by Central IT moving forward.
- Whether your computer needs to be replaced depends on several criteria, primarily based on central security requirements.



Replaced or migrated?

- The project has conducted a comprehensive inventory of MMK's computer assets and, based on the findings, developed recommendations for each research group. These recommendations specify which computers can be migrated and which need to be replaced.
- For instance, any computer older than five years must be replaced due to security concerns and lifecycle management requirements. In addition to the age criterion, other factors influence the recommendations.
- The recommended replacement computers primarily consist of HP models for PC users and a selection of specific Mac models.

Age Limit for Devices:

Only devices that are less than 5 years old are supported.

Mac Restrictions:

Only Apple Silicon (M-series) Macs are supported. Intel-based Macs are not compatible.

Support for Windows 11:

Devices must be fully compatible with Windows 11 to be supported.

TPM Requirement:

Devices without TPM (required for Windows 11 and disk encryption) will not be accepted.

Lenovo and Dell Advisory:

Lenovo and Dell devices are discouraged due to inconsistent hardware configurations across model generations, leading to potential issues with drivers, BIOS, and other components.



What Does It Cost?



The cost of computer is charged monthly according to a fixed price list, this includes security, service, support, life cycle management etc.



Migration is free of charge.



Computer as a service is optional, but recommended

Using **computer as a service** instead of purchasing resolves several challenges:

✓ **Clear Responsibility:** KI takes responsibility for security and incident management.

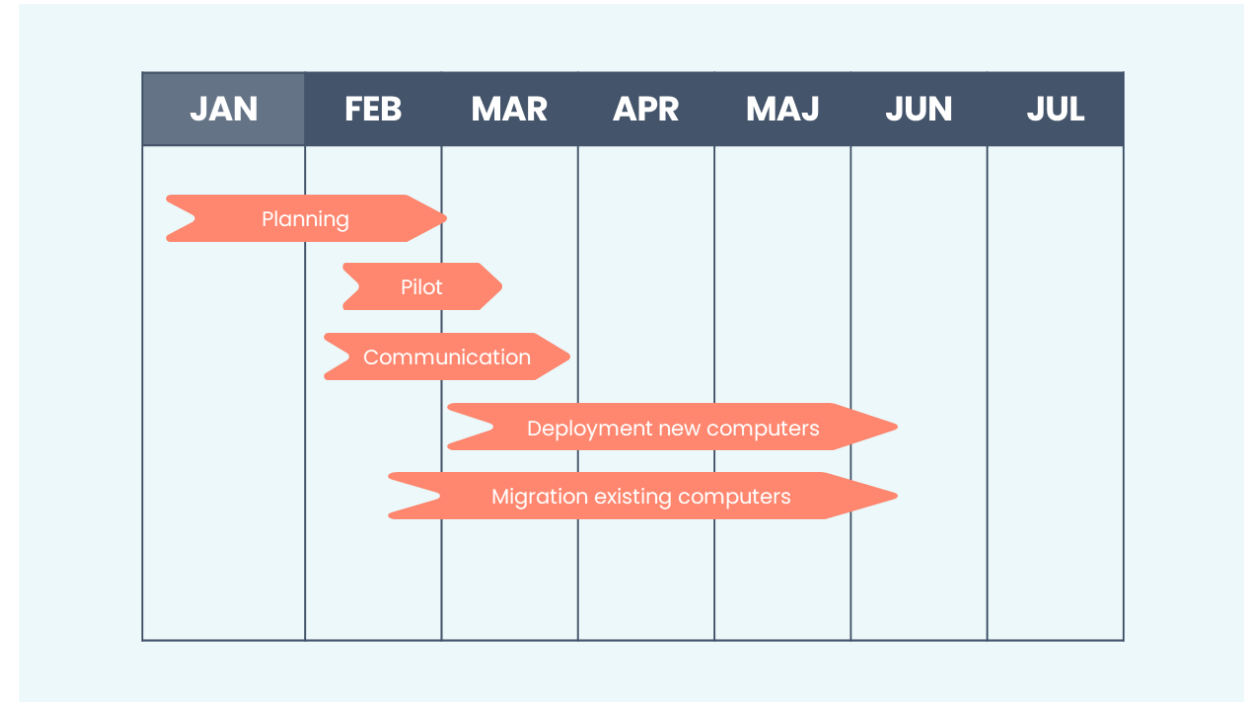
✓ **GDPR Compliance:** Centralized management ensures data protection and GDPR adherence.

✓ **Efficient Lifecycle Management:** Regular replacement of older computers minimizes security risks.

✓ **Improved Operations:** More stable performance and faster support.

Next step

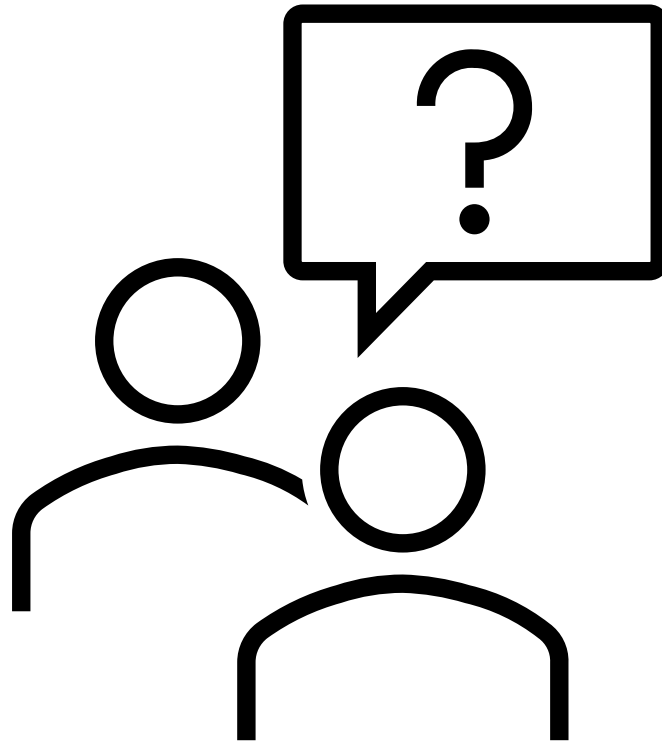
- Pilot start up
 - 11 people from MMK participating, testing Windows, MAC and VDI
- MMK is divided into 22 groups:
 - Research groups
 - Administration
- Managers within the groups will be approached:
 - Confirm the members list
 - Confirm that the actual inventory align with the project's documented inventory
 - Asses the client status (migrate or new)
 - Plan when a roll out can fit their schedule
- Rollout starts
 - Deployment of new computers
 - Migration of existing computers



Interface to the project

- Questions concerns
 - Johan.junhav@ki.se
- General information about Coordinated IT
 - <https://medarbetare.ki.se/stod-och-verktyg/it-och-telefoni/samordnad-it>

Questions?





**Karolinska
Institutet**