

Supporting Independent Living through Assistive Technology

The importance of open service platforms

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SMARTHOMES

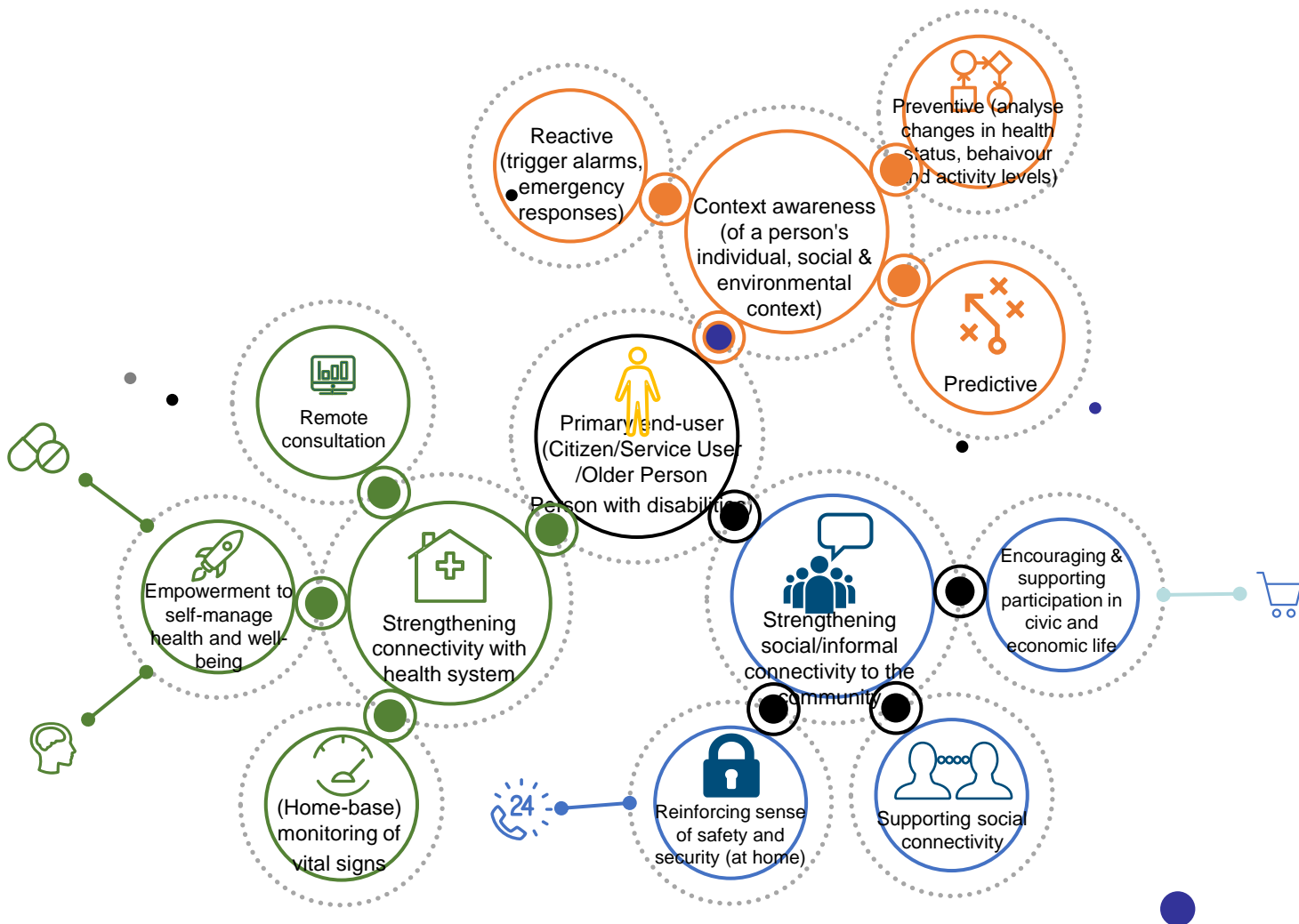
Agenda



- Introduction
- Service platforms
- The need and benefits of open service platforms

Introduction: from mainly hardware to more digital services





Digital service platform



- A digital set of tools based on highly secure cloud technologies for easy and quick integration of apps and digital services;
- Open: when fulfilling the following criteria:
 - Open Standards Based
 - Federatable
 - Shared common information models
 - Vendor and technology neutral
 - Supports open data
 - Provides open APIs
 - Open usage (adoptability)
 - Open adaptation

Why an open service platform?



- For economic reasons:
 - Only ONE platform provider instead of many for each individual application or service;
 - More cost efficient and cost effective when offering services with assistive technologies;
 - Lower maintenance costs;
 - Easier big data analytics for machine learning and AI technologies;
- Easier to access for newcomers in the field than when to approach companies with proprietary platforms.

What is specific in AT and AHA?

- More emphasis on data security and privacy;
- More dedication towards semantic interoperability;
- Not so many commercially successful open service platforms on the market yet;
- Many funded EU projects, which remained in the pilot phase, without commercial follow-up;
- A try to promote the uptake via:
<https://www.platformuptake.eu>

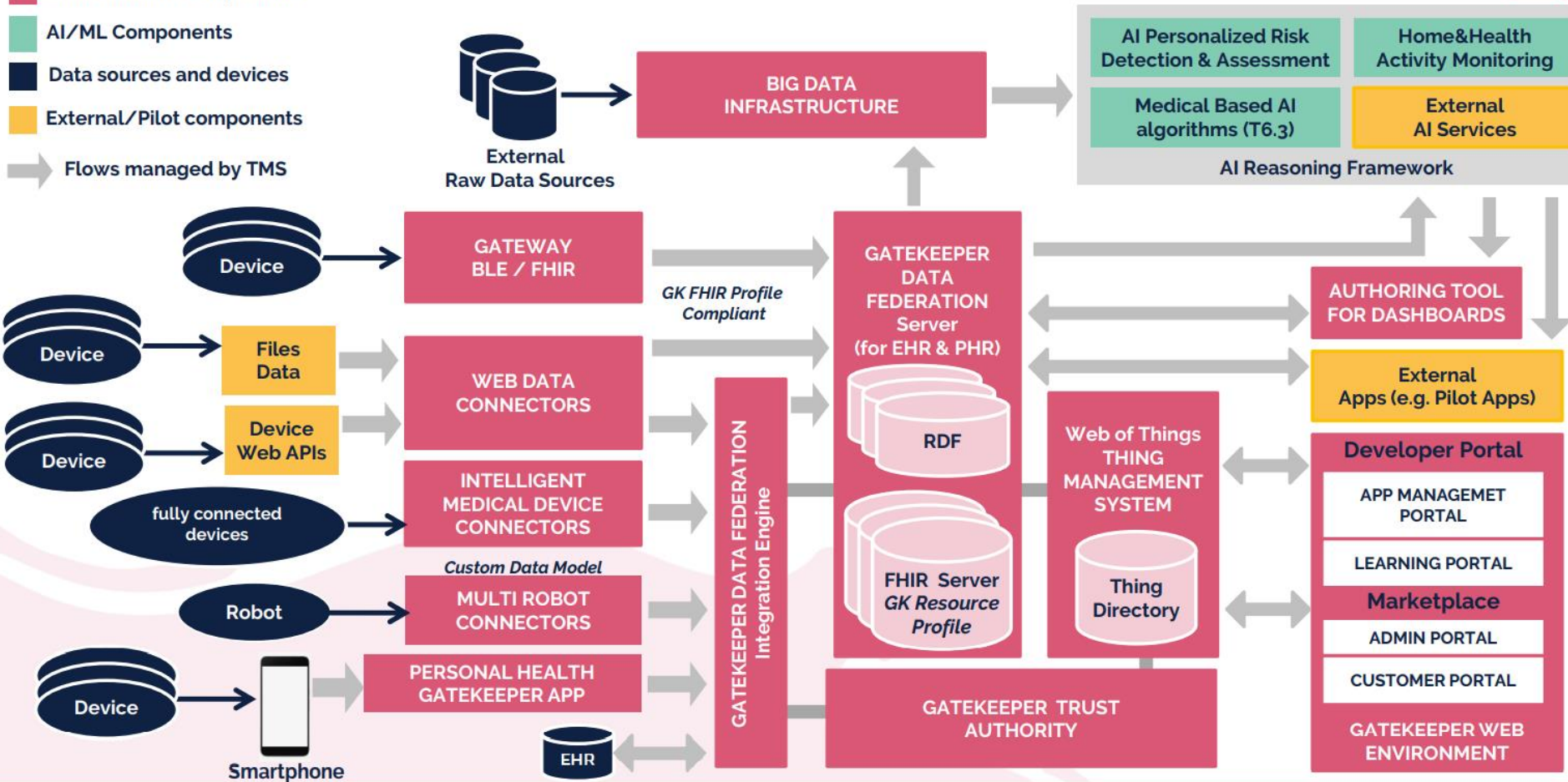
An example of an open service platform

GATEKEEPER PLATFORM ARCHITECTURE

LOGICAL VIEW

- Core Platform components
- AI/ML Components
- Data sources and devices
- External/Pilot components

→ Flows managed by TMS



Ecosystem of an Open Service Platform in the AHA Domain

Marketplace

Interaction of all stakeholders
Provision of applications and services served by the Open Source Platform and consumed by the Primary End Users (AHA)



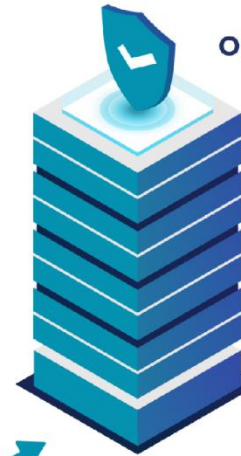
Authorities

Financial bodies
Supporting organizations
Standardization organizations
Legislative and public welfare organizations



Open Source Platform

Privacy and Data governance
Infrastructure services
Patient information services
Interoperability services
Terminology services
Analysis services
Public health services



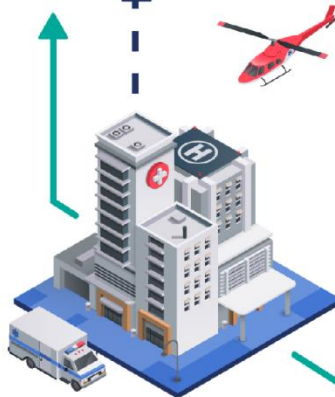
Primary End Users (AHA)

Assisted person
Older person
Caregivers



Customer End Users

Healthcare providers
Social and wellbeing institutions
Houskeeping service providers
Transport providers
Information providers



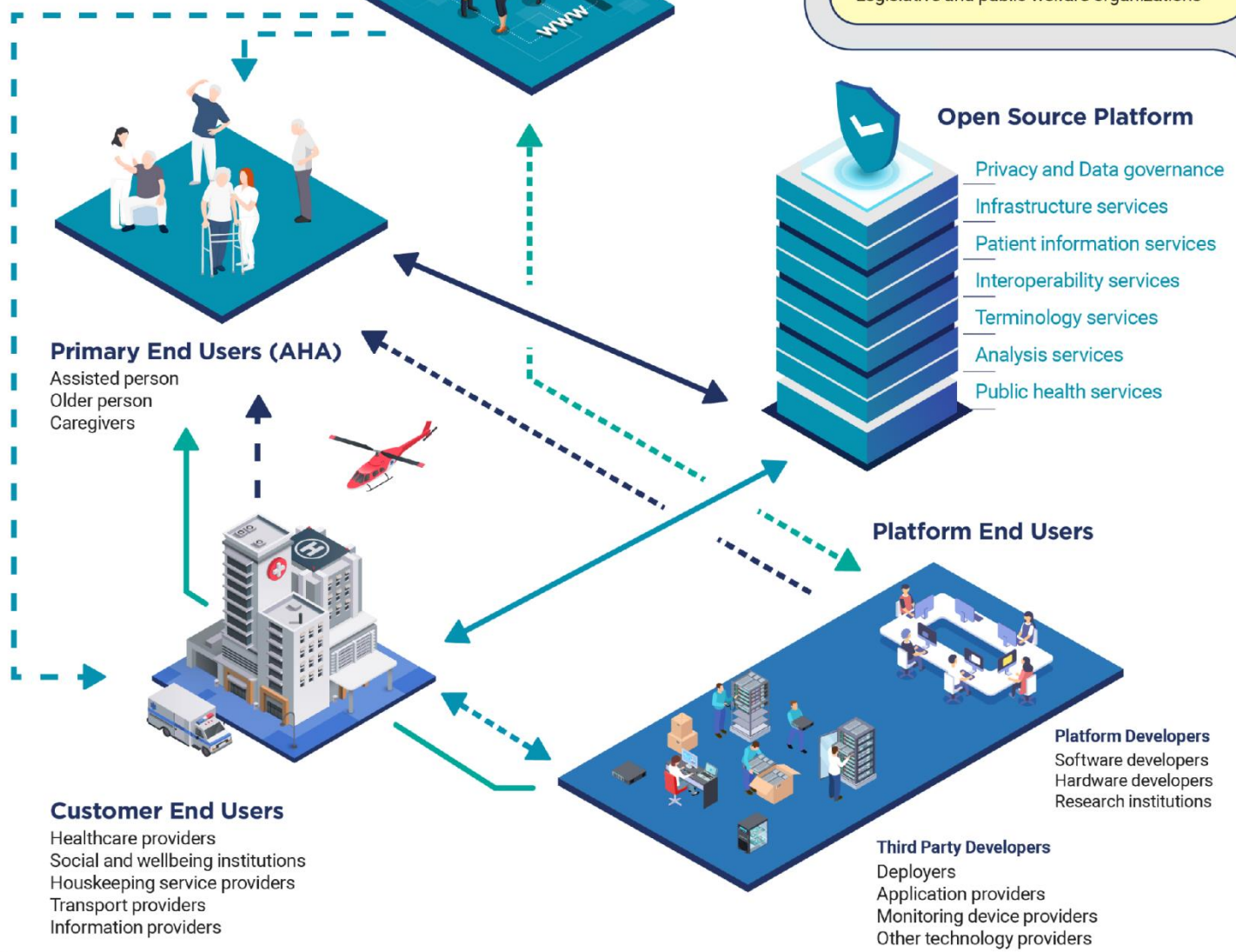
Platform End Users

Platform Developers
Software developers
Hardware developers
Research institutions

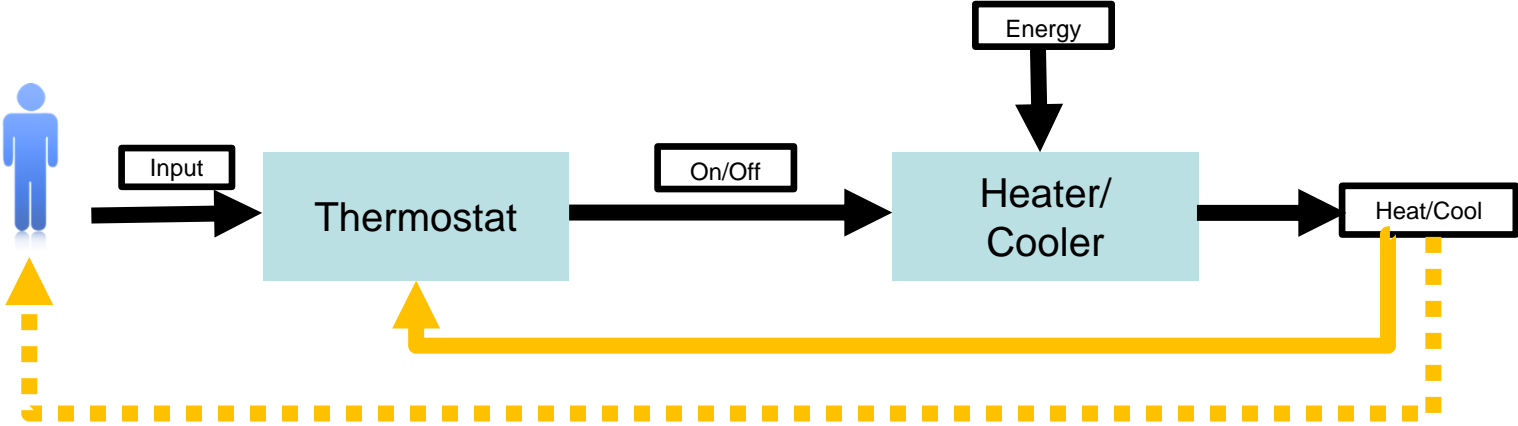


Third Party Developers

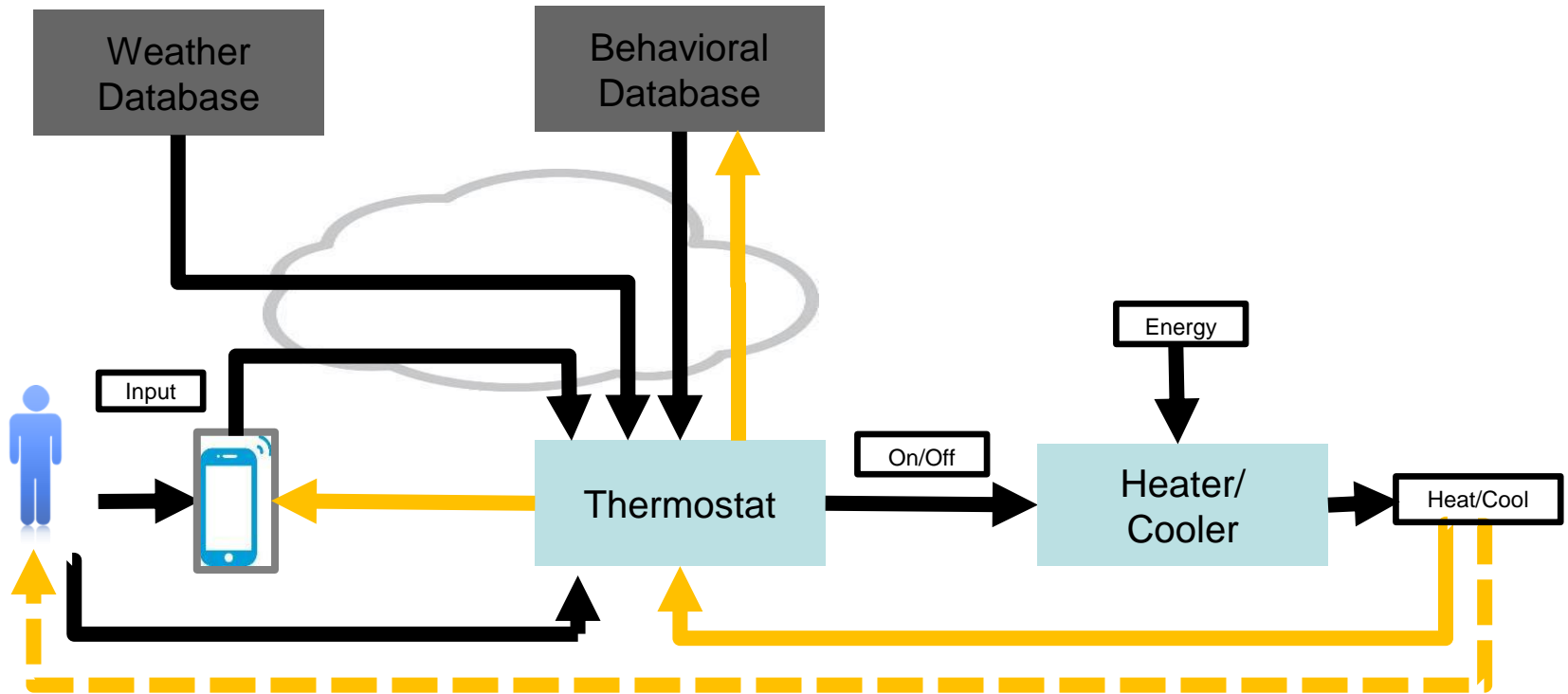
Deployers
Application providers
Monitoring device providers
Other technology providers



Simple heating in the past....



More complicated heating via an open service platform...



Join one of the many webinars

Webinar: SetUP2match

Impact of open platforms on the development of open market for digital solutions in the AHA and AAL domains. Benefits and matchmaking potential for all involved stakeholders.



16.11.2021



10:00 -14:30 CET

Host: **SYNYO GmbH**

PlatformUptake.eu 

