

UNA

Development and ICT-solutions for social and health care operations

Short introduction of company operations

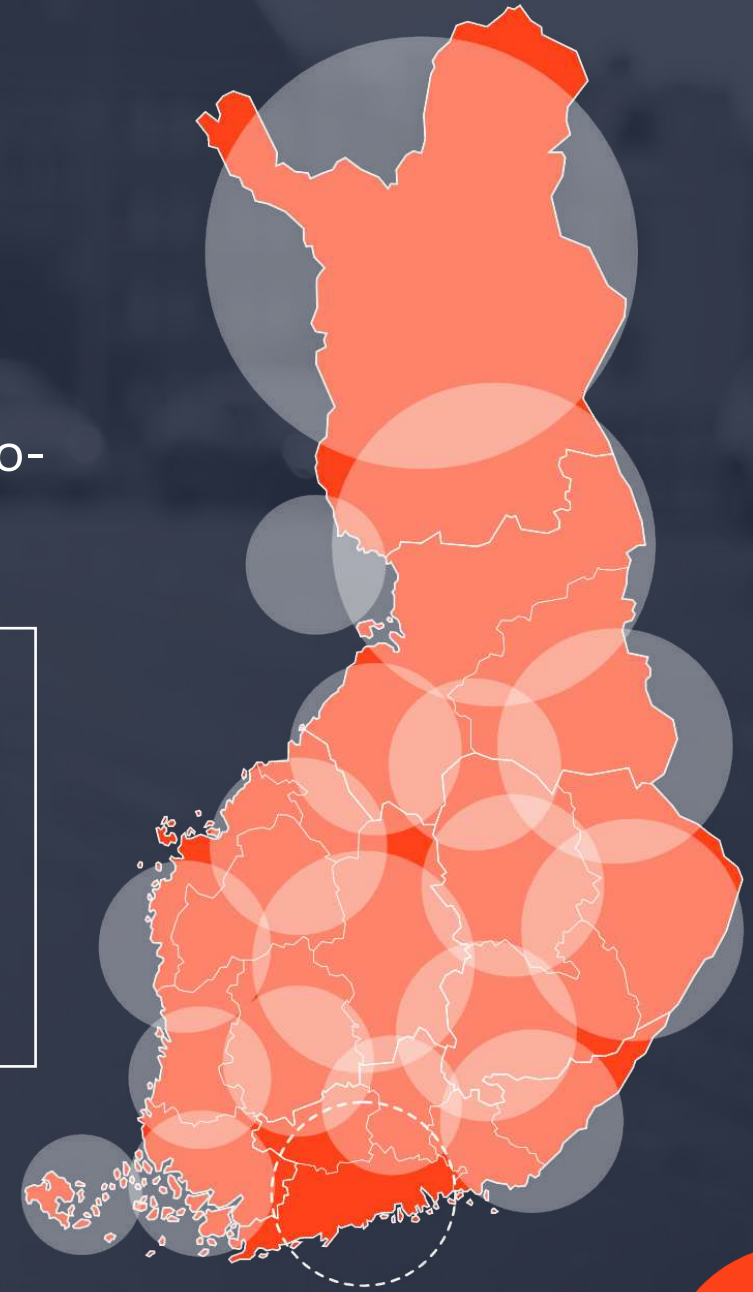
NATIONWIDE UNA-COLLABORATION

- Public organizations plan to improve productivity and efficiency
- Based on the agreement between the parties on ICT development co-operation

UNA (lat.)
= synchronously, at the same time

20 hospital districts
Several cities
One province (nearly
300 municipalities
Four ICT in-house
companies

UNA Ltd established on December 15, 2017 to perform ICT development and procurements. Planning, managing and resourcing collaboration on behalf of its owners.



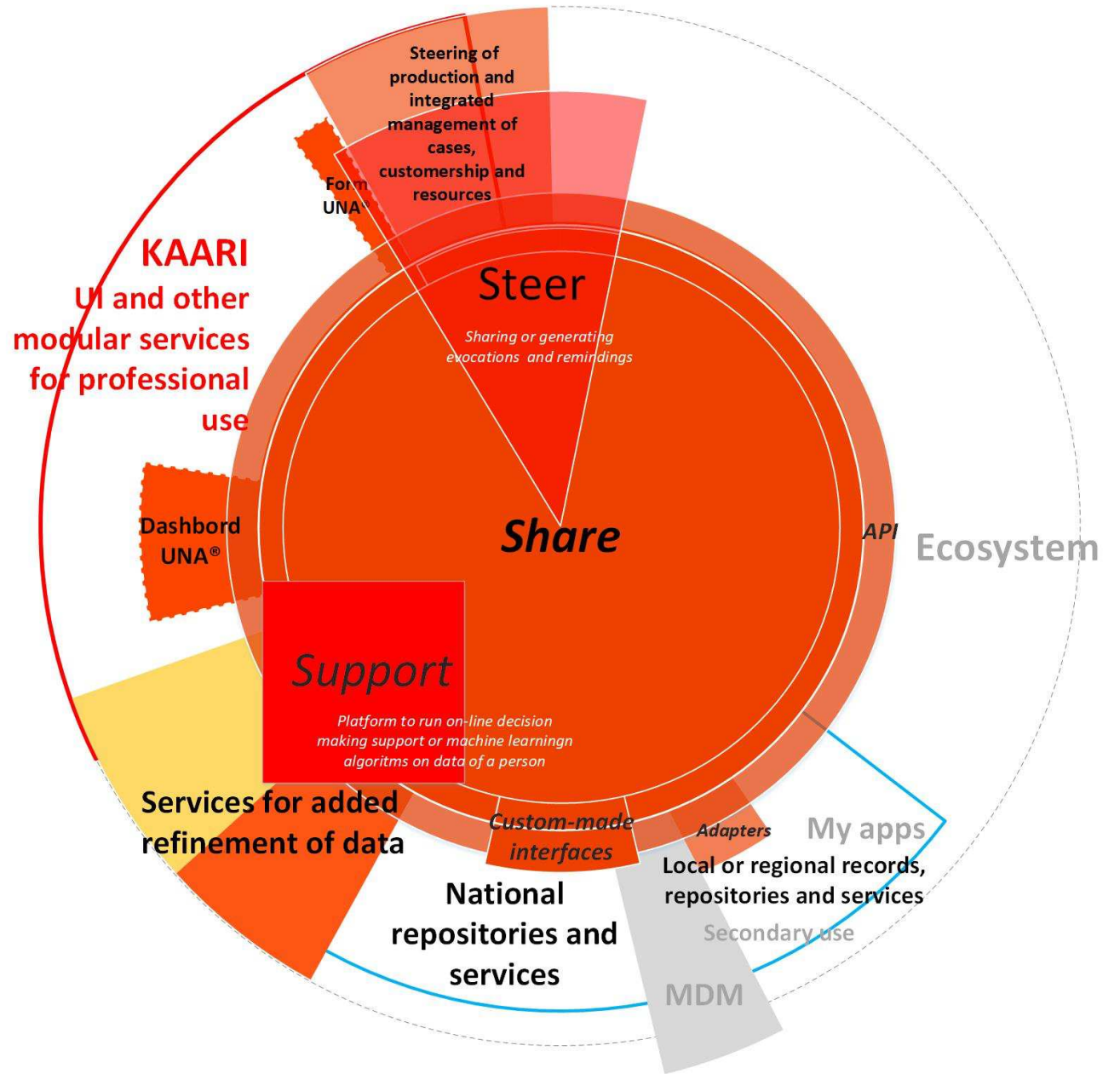
UNA Kaari

user tools / systems more mature to utilize data from outside

the role of Open EHR is yet to see

Vendors of existing ecosystem have major Open EHR activity

UNA CORE



Background and basis

- Social welfare and healthcare reform in Finland
 - New social welfare and healthcare structure in Finland is under development
 - Although proposed reform has faced challenges, the need for the reform is evident
 - The aim of the reform is to offer the population more equal access to services, to reduce disparities in health and wellbeing, and to contain costs
 - service coordination, integrated healthcare and social welfare services, and well-managed service chains
- Current systems do not support enough new services in social and healthcare ... and existing systems are also quite slow and difficult to develop
 - Need to utilize more effectively the up-to-date technological development
 - Need to reduce vendor lock-in, which is one slowing down element in the overall development
- More flexibility to solution and service design

UNA VISION

Ecosystem-based modular architecture

- Need to build more customer-oriented ICT solutions
- Moving towards more modern and open information systems
- The architecture and development model keeps up competition and promotes innovations
 - The ability to changes is ensured by “real” modularity – modularity makes it possible to replace parts of the system as needed
 - Open, documented APIs
 - Utilizing best practices from cloud service, microservice architecture and open-source possibilities
- The intention is to enable the implementation of a modular ecosystem, which is needed in a customer-oriented and effective social and healthcare service environment
- Maintain agility

Roadmap

- Stepwise development and procurements
- Modular replacement of existing systems
 - Organizations can add new functionality on top of existing systems in phases
- First phase: Implementation of the core system (UNA Core)
 - UNA Core includes the main integration and data management elements, which also create possibilities to the future ecosystem development
 - https://www.openehr.org/news_events/event_reports/11
- Next: Comprehensive renewal of existing EHR and social care systems (UNA Kaari)
 - Population base of participants 2-3 million
 - Stepwise development with customer consortiums (operation management, social care module, market dialogue etc.)
 - Evaluation of alternative roadmaps (OpenEHR-based model is one of options)
 - Big focus on resource planning and comprehensive carepaths

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YHDESSÄ ETEENPÄIN



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