



DISCO

Digitization and quantitative S**C**ale f**O**r the InterRAI

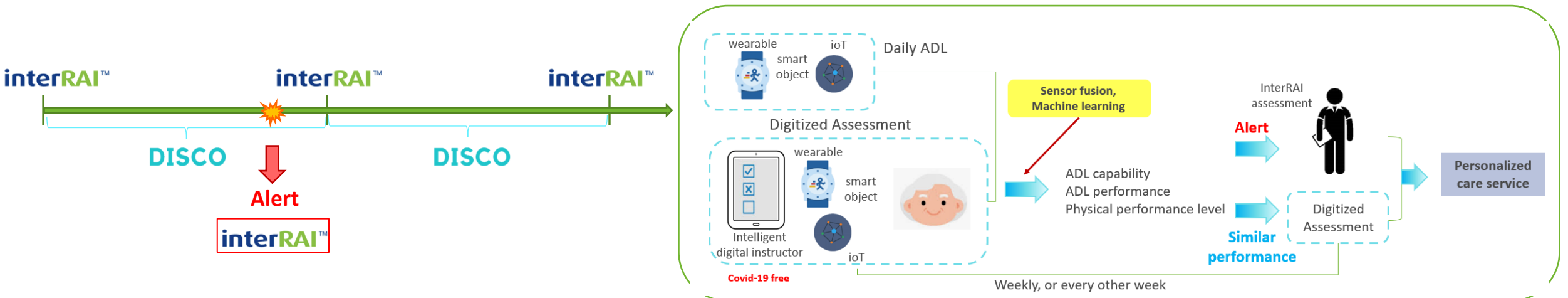
Online Eureka Clusters AI Call 2021 Brokerage event
Greet Blisen





Project idea description

- Increased social care expenses and high workload for caregivers due to the aging population growth trend
- InterRAI assessment – a widely used tool in over 35 countries (mandated in a few countries), an intensive and subject assessment, infrequent monitoring at intervals between 3 and 12 months
- **DISCO** provides...
 - i) Digitized assessment (e.g. InterRAI HC : section G (Functional Status), H(Continence))
 - ii) Continuously and objectively measuring activities through wearable and ambient sensors (smart object and IoT), using AI techniques
 - iii) Intelligent decision making for the next official InterRAI assessment



Key selling points

- Digitized and automated assistive tool for the interRAI
- Large target market/groups: elderly people at rehabilitation centres, health care center and own home
- Digitally enhanced quantitative and continuous self-monitoring physical performance test with smart objects, and wearable sensors
- Optimal suggestion for a reasonable period of time for the required interRAI assessments and personalized care service
- The societal impacts: helping elderly people to stay independently longer, and reducing workload of caregivers/ interRAI assessors

Partners & expertise

- **Partners involved**
 - Belgium:
KU Leuven : Machine learning, AAL sensor (Continence care management), signal processing
 - Austria:
MCI (University of Applied Science): Mechatronics solution (Robot assisted AAL interface)

- **Missing partners / expertise**
 - User group: requirements, evaluation
 - SME: AAL sensors
 - SME: software framework, digitized assessment

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