## LETHE (λήθη)

A personalized prediction and intervention model for early detection and reduction of risk factors causing dementia, based on **AI and distributed Machine Learning** 





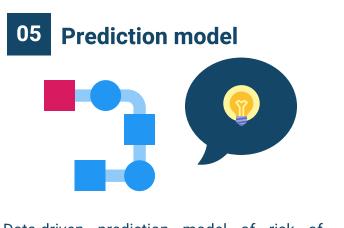
Cognitive impairment is common among elderly adults. Dementia, the most severe expression of cognitive impairment, affects nearly 50 million individuals worldwide.







FINGER is the first large randomised controlled trial showing that it is possible to prevent cognitive decline using a multidomain intervention.



Data-driven prediction model of risk of cognitive impairments and related risk factor

## **Preventive interventions** 02



Dementia has long been considered to be neither preventable or treatable, today we know that the disease course might be modifiable with preventive interventions.

## **LETHE project** 04

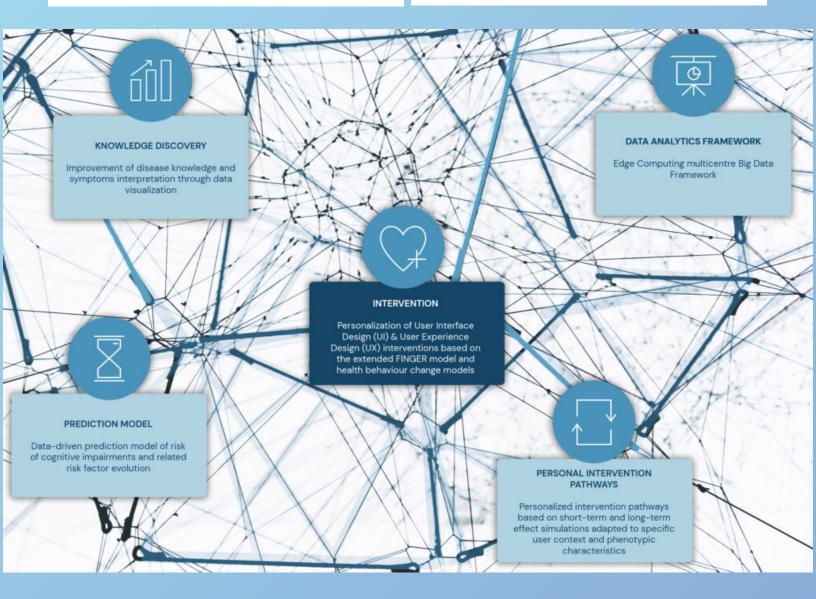


LETHE project will evolve the clinical study into a digital model - FINGER 2.0 - based on the IoT, Mobile, Big Data and Al, technologies.

## **Personal intervention** 06 pathways



Personalized intervention pathways based short-term and long-term effect on simulations adapted to specific user context





The LETHE approach targets the monitoring of the clinical markers, physical activity, cardiovascular risk, cognitive function, nutrition, relaxation and social interaction.

For more information www.lethe-project.eu







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