AI-Mind consortium

Our multidisciplinary consortium pushes the boundaries of brain research and addresses the challenge of effective dementia prevention.

Oslo universitetssykehus
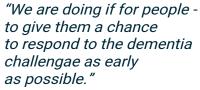
HUS Helsinki University Hospital

IRCCS San Raffaele Roma

UNIVERSITÀ CATTOLICA del Sacro Cuore

Radboud umc university medical center

UNIVERSIDAD COMPLUTENSE MADRID

LURTIS RULES

Alzheimer Europe

Aalto University

DNV

BrainSymph Connecting the dots.

TALLINNA ÜLIKOOL

NEURO CONNECT new insights for neuroscience

accelopment takes you further

OSLO MET

Website & social media

ai-mind.eu

@AIMind_eu

@The AI-Mind Project

Contact information

"We are doing if for people - to give them a chance to respond to the dementia challengae as early as possible."

Dr Ira Haraldsen
Project coordinator
contact@ai-mind.eu

AI-Mind

Intelligent tools for dementia prevention

Project key facts

- Five-years duration
- Budget of 14 milion €
- EU-funded under H2020
- 15 partners from 8 countries

Challenge

According to the World Health Organization (WHO), dementia affects around **55 million people worldwide**. Estimates show that, globally, nearly 9.9 million people develop dementia every year, which translates into one new case every three seconds.

50% of dementia cases globally are attributable to only seven risk factors: diabetes, hypertension, obesity, depression, physical inactivity, smoking and low education.

Mild cognitive impairment

The ageing brain becomes vulnerable to decline and keeping independency in daily life can become a challenge for the elderly.

Mild cognitive impairment (MCI) is the stage between normal brain ageing and dementia and it affects up to 18% of people aged 60 or older. People with MCI may develop dementia in the future. Current clinical practice, however, lacks the necessary screening tools to identify those at risk.

AI-Mind aim

AI-Mind researchers aim to reduce the disease's burden by developing novel, Artificial Intelligence (AI) - based tools for screeninng brain conectivity and dementia risk estimation to support healthcare professionals in their diagnosis. Ultimately offering timely interventions to patients.

Scan the code and learn more from our infographic

About AI-Mind

The AI-Mind project is a **five-year research and innovation action** (RIA) that officially started in March 2021 with a consortium of 15 partners from eight European countries. **AI-Mind brings together professionals from multiple sectors**, including academic institutions, medical centres, small and medium-sized enterprises, spin-off companies and patient associations, with a common goal of providing future patients with a better and personalised diagnosis.

Scan the code and learn more about our network

AI-Mind approach

Through international collaboration, consortium members will develop two AI-based tools: the **AI-Mind Connector** and the **AI-Mind Predictor.**

The AI-Mind Connector will identify dysfunctional brain networks and the AI-Mind Predictor will assess dementia risk using data from the Connector, enriched with information collected through the study. These two tools will be integrated into a **cloud-based diagnostic platform**.

Scan the code and learn more from our factsheet

AI-Mind study

This clinical study is a key part of the AI-Mind project and aims to enrol **1'000 participants with MCI aged between 60 and 80** at five clinical centres in Norway, Italy, Finland and Spain. The data collected in the study will help develop and validate AI-Mind tools to predict who is likely to develop dementia.

Scan the code and watch our explanatory video