

# World JAIN Challenge (WJC)

For Interdem workshop 20th of October

# Core objectives JAIN

With the help of applications equipped with Intelligent Sensors, Artificial Intelligence, Machine learning, Smart Algorithms, Big data Analyses and new media:



- Increasing the self-reliance and quality of life
- Support family members, informal carers and healthcare professionals
- Reduce costs within healthcare for affordable healthcare → with the same number of FTEs serving more clients

For: People with dementia, loved ones and family, informal carers, professional carers, healthcare institutions, municipalities and health insurers.

# JAIN consists of:

1. Network of JAIN Real-life Fieldlabs
2. A growing expert-committee (a.o. Prof. dr. Rose-Marie Dröes, Prof. dr. Erik Scherder, Prof. dr. Dick Swaab, Dr. Franka Meiland and more)
3. Administrative sounding board
4. Young Professional/Talent group
5. World JAIN Challenge
6. Roadmap with R&D projects
7. Quick-win projects from results from the fieldlabs
8. Technical development teams
9. Partners:  
Alzheimer Nederland and Alzheimer Europa etc., Top Care, Trimbos-institute and Mantelzorg NL

# The world JAIN challenge – Main objective & Goals

*A biennial worldwide  
competition for developed  
AI systems intended for  
dementia care*

**Main objective:** to bring together all of the most innovative knowledge, products and services that have been developed worldwide, with the aim of inspiring, educating and motivating each other.

## Goals:

- Simplification of professional and informal care ...
- and improving the quality of life and self-reliance of people living with a form of dementia
- More effective and simpler use of systems for professional
- More effective and simpler use of systems for informal caregivers



# Work in progress

We want to invite you to join us/think with us about realising the WJC

- Do you have any remarks/ideas?
- Do you want to join yourself (either participant or assessor)?
- Would you be able to do something for public relations?

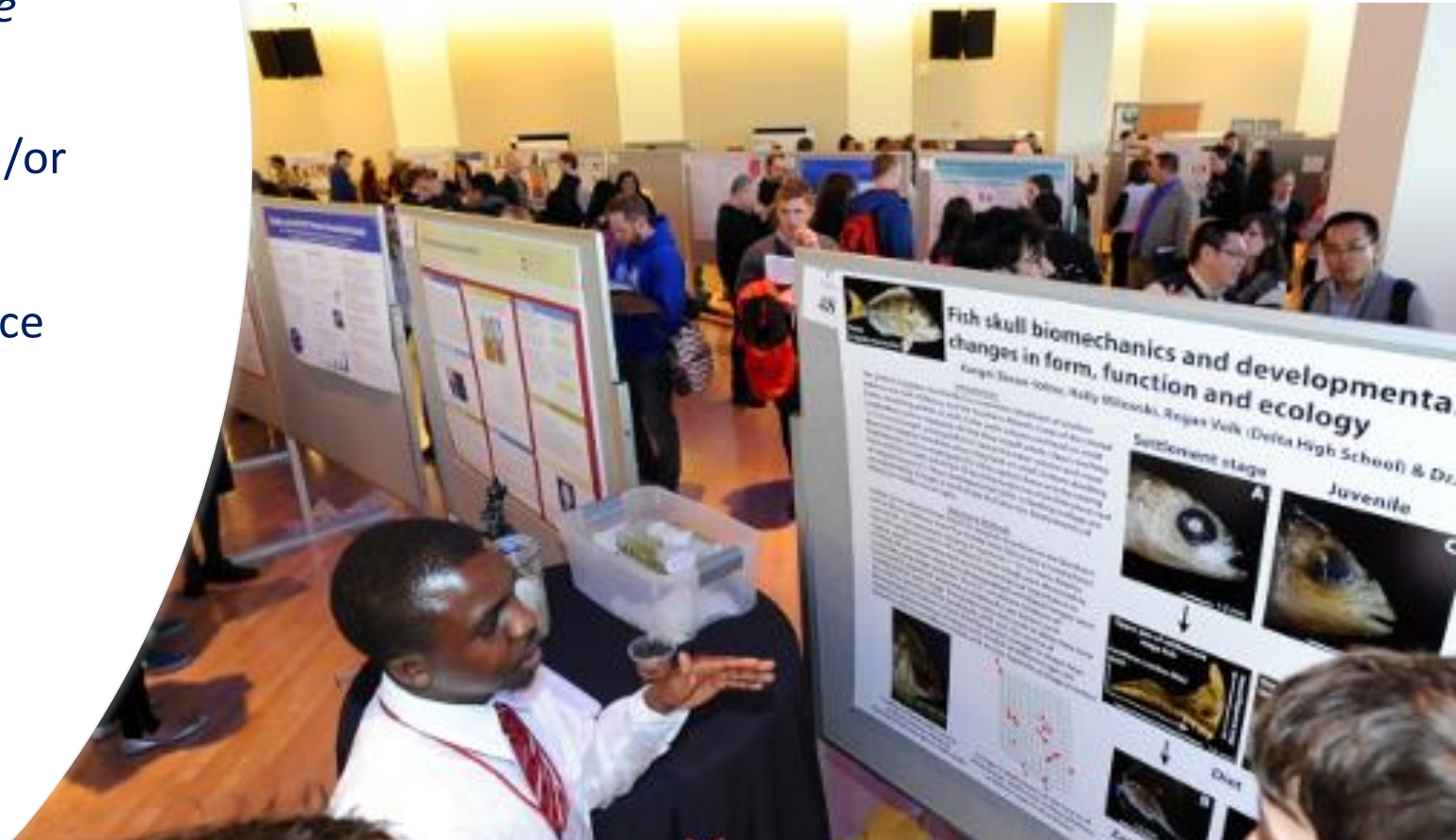
The next slides will give you a global overview of the WJC

See last slide for detailed overall planning/actions



# Form of competition & (Pre-)registration

- *World JAIN Challenge is intended to take place in Fall 2021*
- Competition in the form of a poster presentation of the developed idea and/or application
- Admission requirements a.o.:
  - Concerning both Artificial Intelligence and Dementiacare
  - Authenticity of the idea (it is your own)
  - Achievability within the current paradigm
  - (also in consultation with the assessment committee)



# Assessment



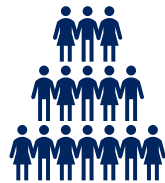
## Experts/committee members

- Appointed in a personal capacity – considering their field of expertise
- Do not participate on behalf of an organization



## Referees

- Anonymous, independent and external



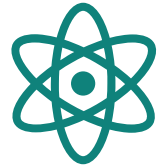
## Panel of experience experts/patients

- Assessment of applications for relevance to their situation
- E.g. European Working Group of People with Dementia - EWGPWD

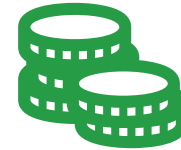
# Assesement of submissions based on...



Meeting the  
needs



Scientific and  
societal value



Cost efficiency



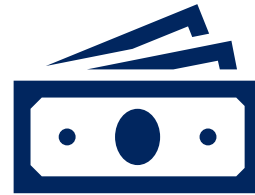
Sustainability



# Reward



Promotion & publication on platforms of Alzheimer NL/EU or possibility to speak on one of their congresses



Reward sum in money



Other forms of promotion for application/product (in e.g. Lancet)

## (Hopefully) Your part

- WJC = Still a work in progress → Tips, advice and/or remarks
- Participation in assessment committee
- Participation in the challenge
- Contacting organisations or institutions in your own country to spread the word and allow for support
- Recruitment of participants
- For interested individuals → composing **Interdem Working Group** → organising a prospective **Zoom Meeting** for further deliberation (*date in consultation*)

# Contact information

*For pre-registration, questions and/or remarks*

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# Planning WJC

Green = milestones/deadlines/closing  
 Light blue = work in progress/preparation of decision  
 Dark blue = opening of submissions  
 Light pink = evaluation  
 Red line = critical pathway

Overall Planning World JAIN Challenge			2020							2021									
	Interdem involvement		j	j	a	s	o	n	d	j	f	m	a	m	j	j	a	s	o
Act. 1		WJC description mission, target group, target date, goals and organisation set up																	
Act. 2		Alzheimer NL involved and approved																	
Act. 3	→	Interdem cooperation approved																	
Act. 4	→	Interdem working group (IWG) informed and workshop details "how to work together"																	
Act. 5	→	Elaboration of the organisation of the collaboration with IWG, after session 21.10.20																	
Act. 6		Agreements with Alzheimer Europe regarding WJC within the annual Alzheimer EU event																	
Act. 7		Sponsor acquisition organisation cost and award, action working group JAIN (WGJ)																	
Act. 8	→	Domestically Inform partners within Europe by IWG																	
Act. 9		Website portal WJC ready to receive and process submissions, action WGJ																	
Act. 10		Independent assessment committee composed (Marco Blom Alz NI)																	
Act. 11		Pre announcement and detailed information for communications purposes ready to use																	
Act. 12		Press announcement release date																	
Act. 13		Call for WJC submitters "open" via website,																	
Act. 14		Detailed information available for communications with submitters																	
Act. 15.1		Submission and receiving of WJC proposals "products and services"																	
Act. 15.2		Closing data forwarding submissions WJC proposals "products and services" by submitters																	
Act. 16.1	→	1st Evaluation sessions submissions by independent committee																	
Act. 16.2	→	2th Evaluation sessions submissions by independent committee																	
Act. 16.3	→	3th and final evaluation sessions submissions by independent committee																	
Act. 17		10 best submitted products and services are invited to the poster session																	
Act. 18		3 best submitted products and services will be awarded																	