

To tackle the challenge of Alzheimer's
and other neurodegenerative diseases



Joint Programming in Neurodegenerative Disease Research (JPND)

JPND Strategy 2018 - 2020

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A Global Grand Challenge

JPND is the largest global ND research initiative led by EU countries, with 30 participating

EU member states

Associated countries

Partners countries

In progress

India

United States

South Korea

China

LAC countries

Australia



Bulgaria



Albania
Austria
Belgium
Canada
Croatia
Czech Republic
Denmark
Finland
France
Germany
Greece
Hungary
Ireland
Israel
Italy
Luxembourg
Netherlands
Norway
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
United Kingdom

Concrete impact achieved: examples



Project level : cumulated funding 124M€ since 2011

- First call of JPND: 4 projects, resulted so far in 217 outputs in terms of publications and communication in scientific congresses
- 5 thematic calls without EC funding (60M€): 40 collaborations and 245 research groups,
- 3 Centre of Excellence (CoEN) calls (20M€),
- 2 rapid calls supporting 10 working groups each (1M€),
- ERA-NET cofund call, 21 projects gathering 124 research groups (36M€)

P2P network level

- **Enduring connectivity:** ongoing communication on different level, Increasing number of participating countries; Creation of a real common pot to support JPND management
- **Cultural changes and conceptual impact:** Connection to policy makers ; Communication and outreach ; Public Patient Involvement strategy; Progression of national alignment
- **Structural impacts :** on-going creation of a sustainable structure



JPND Alignment Actions



➤ Alignment of National Strategies

➤ Alignment of National Activities

➤ Longitudinal Cohorts

➤ Assisted Living Technologies

➤ Industry Partnership

➤ Animal and Cell Models

➤ Palliative Care

➤ Patient + Public Involvement

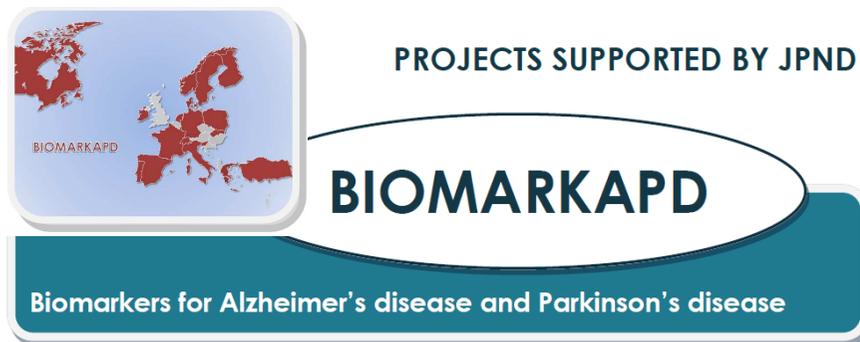
➤ Optimisation of biomarkers

Additional activities

- **Research mapping**
- **Longitudinal cohorts portal**
- **Experimental models site**
- **Recommendations** from Action Groups and community-based Working Groups to develop ideas for future activity



Impact at the project level : scientific, health, training



Total Funding: € 8.5 million (approx.)

Start Date: June, 2012

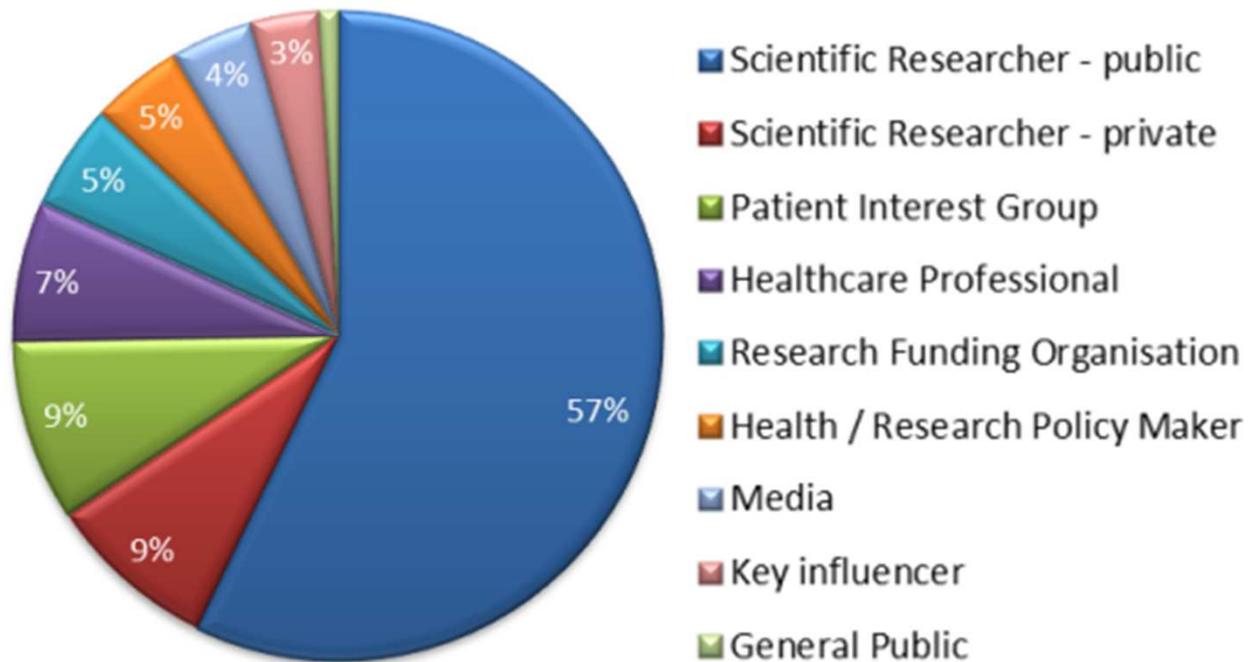
Duration: 3 years

Coordinator: Bengt Winblad

- June 1, 2012–May 31, 2015
- 52 partners from 21 countries
- Standardized the sampling and measurement for the biomarkers across most centers in Europe
- 135 publ in peer reviewed journals
- Laboratory training & certification
- Identification of two new biomarkers
- The work will continue in a European “CSF Society” established by the members of BIOMARKAPD.



Impact at the project level : Societal and Policy



Stakeholder database:
nearly 2,000 individual
stakeholders representing
26 countries

In 2015, the JPND website
received:

- 63,941 unique visitors
- 88,897 sessions
- 230,671 page views

Actions aimed at multiple levels within 9 identified stakeholder groups



Impact at the project level : Cultural and Symbolic



G7 WDC, G7 YL, WHO....



Active Social Media Conversation

- Twitter
- YouTube
- Flickr
- SlideShare



JPND Vision and Strategy



JPND must now be scaled-up

- to continue **to foster the engagement of the research community** with regular, targeted calls for proposals;
- **to develop and grow, through both the establishment of mutually beneficial collaboration with industrial partners and international organisations** and through extending its research cooperation to national funders beyond Europe;
- to help expand capacity in neurodegeneration research, through **the alignment of research infrastructures and the promotion of wider access to them**, including the promotion of novel forms of training activity aimed at attracting younger scientists to the field
- **to identify, propose and define strategies for the long-term sustainability of JPND actions.**



Implementation plan and instruments



Our Operating Plan provides the overarching framework to guide transnational JPND activities over the coming five years around 12 key instruments :

- 1: Launch calls for proposals at a regular pace (one/year) including one EC co-funded call to increase the number of participating consortia (JPco-fuND allowed to double it)
- 2: Follow-up the outcomes from the 2014 Call on Working Groups for Cohort Studies in 2016.
- 3: Establish a web 'portal' for longitudinal cohorts that can be utilized for ND research by 2017
- 4: Organize workshops to facilitate exchange of knowledge and new ideas regarding experimental models in 2016.
- 5: Conduct a stakeholder survey to identify the modalities necessary for a improve alignment actions in 2017.
- 6: Identify available national research & innovation resources in 2016.



Implementation plan and instruments (cont.)



7: Establish collaborations with other JPI, industries and IMI2 programmes.

8: Establish and implement strategies for JPND long-term sustainability and develop a permanent dedicated implementation structure

9: Give novel, strong impulse to actions on health and social care research in 2016.

10: Consider the relevance and requisites for the creation of an Action Group on training and skills in 2016.

11: Refresh the Strategic Research Agenda in 2017/ 2018.

12: Extend the capacities of the JPND globally and within Europe, including to the EU-13 missing Members States

Furthermore, impact monitoring and dissemination of activity outputs will be considered.



Proposed cooperation with EC and H2020



- **A new JT co-funded call (€10M EC top up funding as for JPco-fuND if possible, call 2018, project start 2019)**
- Scope : to promote research aimed at changing the trajectory of these debilitating diseases through the development of personalised approaches.
- Founded on three pillars
 - Personalised prevention, through the identification of predictive, translatable biomarkers
 - Personalised diagnosis, by integrating the validation and harmonized use of biomarkers,
 - Personalised care, based upon an evidence-based approach to social and health care



Expected impacts of this co-funded JTC



- Funding of research proposals on **a topic complementary** to topics of the EC work programmes
- **Leverage national investments**
- **Increased commitment** of participating countries (JPco-fuND was the highest funded call of JPND = 36M€)
- **Enhancement** and/or better exploitation of national or EC-supported activities;
- **Improved exchange and alignment among JPND** member countries on the delivery of national/regional health and social care pathways and interventions;
- **Raised awareness** in the EU and globally
- **Attracting, engaging and supporting more new, excellent researchers** into neurodegenerative disease research (number of teams wo EU cofunding = 10 / with EU cofunding = 21)



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