JPI healthy diet for a healthy life – aligning research programmes in food, nutrition and health

Martijntje Bakker,
Vice-chair JPI HDHL
"In 2030 all citizens will have the motivation, ability and opportunity to consume a healthy diet from a variety of foods, have healthy levels of physical activity and the incidence of diet-related diseases will have decreased significantly."
STRUCTURE OF JPI HDHL

- MANAGEMENT BOARD (MB)
  - Decision body, strategy
  - Steering Committee

- Stakeholders Advisory Board (SHAB)
  - Input, advice

- CSA
  - Strategy, development, support

- Scientific Advisory Board (SAB)
  - Input, advice

- ERA-NET COFUNDs
  - Joint Funding Activities
    - ERA-HDHL
    - HDHL-INTIMIC

- 8 Joint Action
  - Without EC cofunding

Diet-related chronic diseases
Diet and food production
Determinants of diet and physical activity
Our Members

Observers
Full members

Austria
Belgium
Canada
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
Ireland
Israel
Italy
Latvia
Netherlands
New Zealand
Norway
Romania
Poland
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
United Kingdom
Structure of the SRA

Research Area 1
Determinants of Diet & Physical Activity
Ensuring the healthy choice is the easy choice

Research Area 2
Diet & Food Production
Developing healthy, high quality, safe and sustainable foods

Research Area 3
Diet & Chronic Disease
Preventing diet related chronic diseases and increasing the quality of life

Horizontal Activities
Some Facts and Figures

• 3 times per year meeting with 21-26 countries about strategy & collaboration of research in the area of food, nutrition and health
• 4 international conferences
• 12 international funding activities – bringing together ca. 80 million euro’s of governmental funding
• Over 250 research institutes working together
• Website: ca. 30,000 unique visitors per year
International funding activities

• **Knowledge Hubs:**
  – DEDIPAC – determinants on Dietary and Physical Activity
  – ENPADASI – European Nutrition Datasharing Initiative
  – Malnutrition in the Elderly
  – Policy Evaluation Network (under review)
  – Developed: Food and Nutrition Security (jointly with FACCE JPI & JPI OCEANS)

• **Targeted calls**
  – Intestinal Microbiomics, 2x
  – Biomarkers for Nutrition and Health, 2x
  – Food Processing for Health
  – Nutrition and Cognitive Function
  – Announced: Nutrition and the Epigenome
TARGETED CALLS

- Identified area that need large investment and would benefit from international collaboration
- Mainly in cash from countries – in case of ERA-NET COFUND with contribution EC.
- Virtual common pot
KNOWLEDGE HUB

- Unexpected combinations – selection by the countries (multidisciplinairity)
- Networking, standardisation, roadmap
- In cash & in kind contributions
- Virtual common pot

Van Gogh Roosegaarde bicycle path
EXAMPLE: DEDIPAC Knowledge Hub

- 13 countries; 46 research centres; over 300 researchers
- Dec 2013 – Dec 2016
- 17 million euro; 7.5 million in cash & 10 million in kind
- Aim: better understand how biological, psychological and sociological factors influence consumer decision making & how to translate that knowledge into strategies of effective disease prevention.
- What
  - Collecting and harmonization of data
  - Mapping of determinants of dietary, physical activity and sedentary behaviour
  - Evaluation and benchmarking of public health and policy interventions to improve lifestyle behaviour
ABOUT DEDIPAC

3 BEHAVIOURS

EATING  MOVING  SITTING

300 RESEARCHERS
68 RESEARCH INSTITUTES
>10 SCIENTIFIC DISCIPLINES
13 EUROPEAN COUNTRIES

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DEDIPAC

KNOWLEDGE HUB
2013 - 2016

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dedipac@vumc.nl
@JPI_DEDIPAC

DETERMINANTS OF DIET
& PHYSICAL ACTIVITY

Furthering the research of the causes of major non-communicable diseases

Determinants of diet and physical activity
Diet and food production
Diet-related chronic diseases
Objective:
To understand the effect and impact of existing policy interventions

Aim of the call:
Establishment of a multi-disciplinary research network for the monitoring, benchmarking and evaluation of policies that affect dietary and physical activity as well as sedentary behavior with a standardized approach across Europe
EXAMPLE: ENPADASI

• The main objective of ENPADASI is to deliver an open access research infrastructure that will enable querying and sharing data from a wide variety of nutritional studies, ranging from mechanistic/interventions to epidemiological studies including a multitude of phenotypic outcomes that will facilitate combined analyses in the future.
ENPADASI Consortium

51 partners (in 15 national consortia)

Started December 2014, end June 2017
Goal: reuse of data
Cofunded call within HDHL-INTIMIC:

- Launched January 2017
- **Aim:** Support multinational, collaborative research projects addressing **cause-and-effect relationships between diet, the intestinal microbiome and human health.**
  - basic understanding of the gut microbiome and its causal role in human health and/or the onset of chronic diseases
  - influence of dietary components on the composition and functioning of the gut microbiome and consequent physiological effects on the host
  - novel microbiome-targeted strategies and food products for preventive and therapeutic applications

**EXAMPLE CALL „Interrelation of the Intestinal Microbiome, Diet and Health“**
## Call Participants:
### 9 JPI HDHL partner countries, 12 funding organisations

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<th>Country</th>
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