

Food and Nutrition Security

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Background Food and Nutrition Security (FNS): A MULTI-DISCIPLINARY INTEGRATIVE FOOD SYSTEM APPROACH

- All people at all times have physical, economic and social access to food
 - which is safe and consumed in sufficient quantity
 - and quality to meet their dietary needs and food preferences
 - and is supported by an environment of adequate sanitation, health services and care
 - allowing for a healthy and active life

Committee on World Food Security (2012)



MISSION: TO WORK TOWARDS AN INTEGRATED FOOD SYSTEM APPROACH, FROM FARM TO FORK, THAT PROVIDES SUSTAINABLE, RESILIENT AND NUTRITIONAL FOOD FROM BOTH LAND AND SEA.

Background

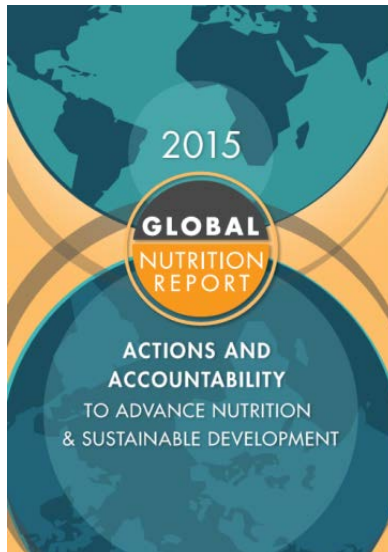
Overall food security 'situation'

**Insufficient cals
Insufficient nutrs
currently ~ 1 billion**

**Sufficient cals
Insufficient nutrs
currently ~ 2 billion**

**Sufficient cals
Sufficient nutrs
currently ~ 3 billion**

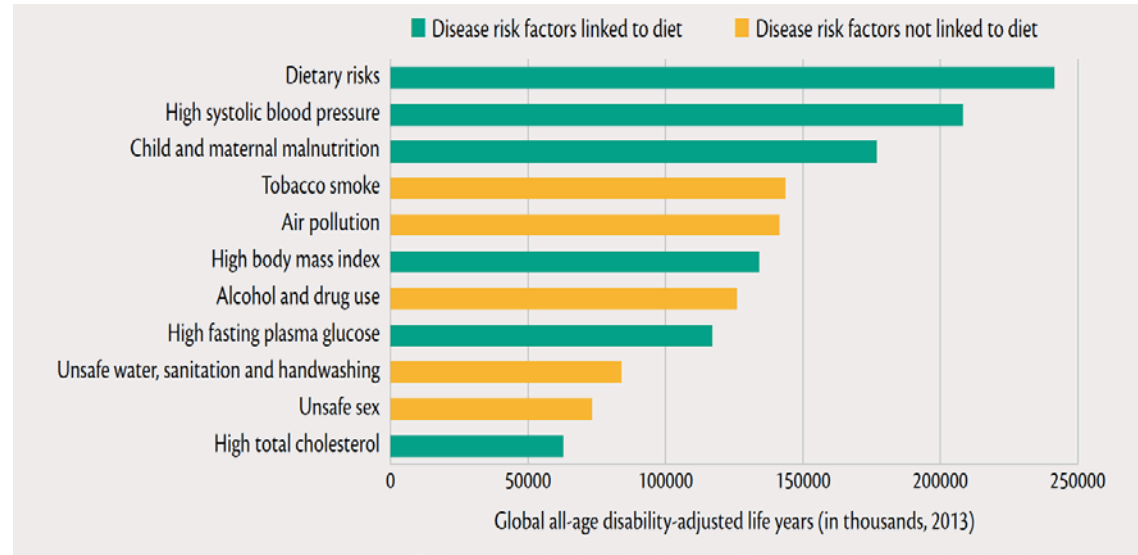
**Excess cals (incl. some
with insufficient nutrs)
currently >2.5 billion**



- Different, overlapping forms of malnutrition the 'new normal' (IFPRI 2015)
 - Food systems are clearly failing many

Background

6 of 11 most serious disease risk factors are linked to diet



Aims

- Define a holistic research programme to address the challenge of FNS
- Develop effective solutions along the whole food chain
- Cross-cutting activities
- Multidisciplinary approach
- Involvement of key stakeholders
 - Consumers
 - Industry
 - Regulatory authorities

Progress

EXPO 2015 - Milan

- FACCE-JPI – JPI HDHL: Grand debate on Nutrition Security – a whole system approach.
A joint event on the impact of climate change on providing a sustainable food supply that has the nutritional requirements to ensure a healthy population.
- Grand debate outcome: FACCE and HDHL common vision paper
 - Coordinating policies to support food and nutrition security in the context of climate change
 - Plant and animal production systems for better human nutrition and resilience to climate change



FACCE JPI – JPI HDHL

Priority Joint Actions to contribute to the European Strategy on Food and Nutrition Security

Outcomes of the Grand Debate "Nutrition Security – A whole system approach"

Progress

2015-2017

2015-2016 FACCE-JPI – JPI HDHL – JPI Oceans:

- Met with the European Commission
- Organized two expert workshops

2017

- The three JPIs published their Joint Paper on FNS
 - Component 1: Roadmap for Production Systems**
 - Understanding dietary patterns of specific populations
 - Climate change effects on food and feed production and nutritional composition
 - Component 2: Improvements to the Food System for FNS**
 - Food production
 - Food processing and transformation
 - Food consumption
- Funders' meeting June



FOOD AND NUTRITION SECURITY: A MULTI-DISCIPLINARY INTEGRATIVE FOOD SYSTEM APPROACH

MISSION: TO WORK TOWARDS AN INTEGRATED FOOD SYSTEM APPROACH, FROM FARM TO FORK, THAT PROVIDES SUSTAINABLE, RESILIENT AND NUTRITIONAL FOOD FROM BOTH LAND AND SEA.

Food and nutrition security was defined in 2012 at the thirty-ninth session of the World Committee on Food Security as:

*"All people at all times have physical, economic and social access to food, which is safe and consumed in sufficient quantity and quality to meet their dietary needs and food preferences, and is supported by an environment of adequate sanitation, health services and care, allowing for a healthy and active life"*¹

A food system is defined as:

*"an interconnected web of activities, resources and people that extends across all domains involved in providing human nourishment and sustaining health, including production, processing, packaging, distribution, marketing, consumption and disposal of food"*²

¹ Committee on World Food Security (2012). Thirty-ninth Session Rome, Italy, 19-20 October 2012. Item Va COMING TO TERMS WITH TERMINOLOGY Food Security Nutrition Security Food Security and Nutrition Food and Nutrition Security <http://www.fao.org/docrep/meeting/026/M2779E.pdf>
² http://www.wmo.edu/~fr/pdf/FoodSystemsFinal_Profs.pdf

JPIs and Food and Nutrition Security

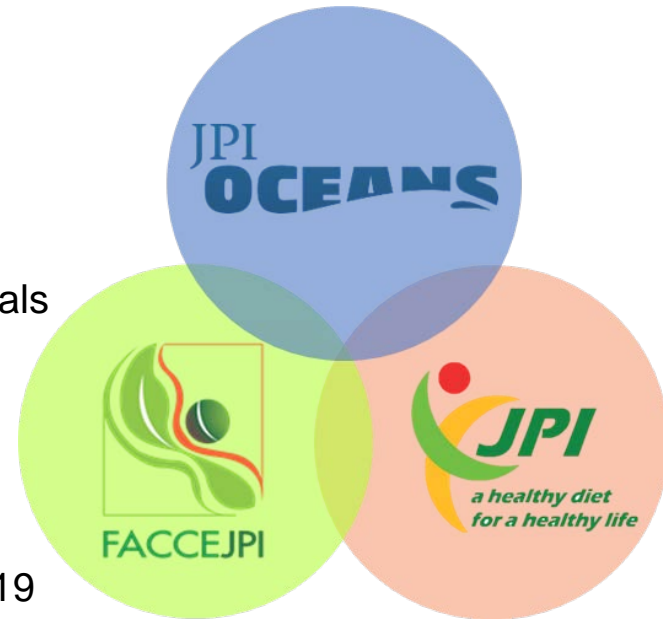
The three JPIs work together to launch a Knowledge Hub

Networks consisting of selected research groups and their scientists from JPI member countries within a defined area of research

- Perform research
- Facilitates coordination of nationally funded research
- Structure a (global) research community around common goals
- Perform capacity building/ training
- Facilitate infrastructure/ data/ methods/ knowledge sharing

The ambition is to launch the call in 2018 and start funding in 2019

- The impact of climate change on the nutritional make up of produce



Impact

Ensuring FNS is a complex issue

- Contribute to the implementation of the European Commission's **FOOD 2030** initiative
- Contribute to the UN **Sustainable Development Goals**.
- Promote the building of lasting **transdisciplinary coordination** across a range of fields
- Help to provide solutions for proving **sustainable, resilient food systems** for nutritious food from land and sea to feed an ever-changing world



SUSTAINABLE DEVELOPMENT GOALS

JPI OCEANS

THANK YOU

Name speaker