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EU-Africa R&I Partnership on food and nutrition security and sustainable agriculture

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Agriculture and Rural Development

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Why FNSSA?

Sustainable Development Goals

SDG 2: End hunger, achieve food security and improved nutrition, and promote sustainable agriculture

Role of research and Innovation in achieving SDG 2

Yield gap

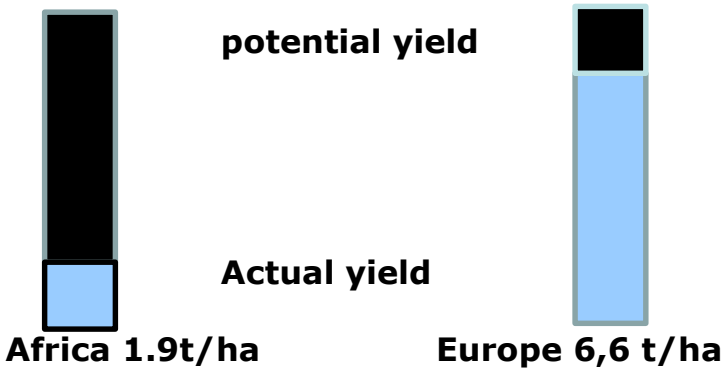
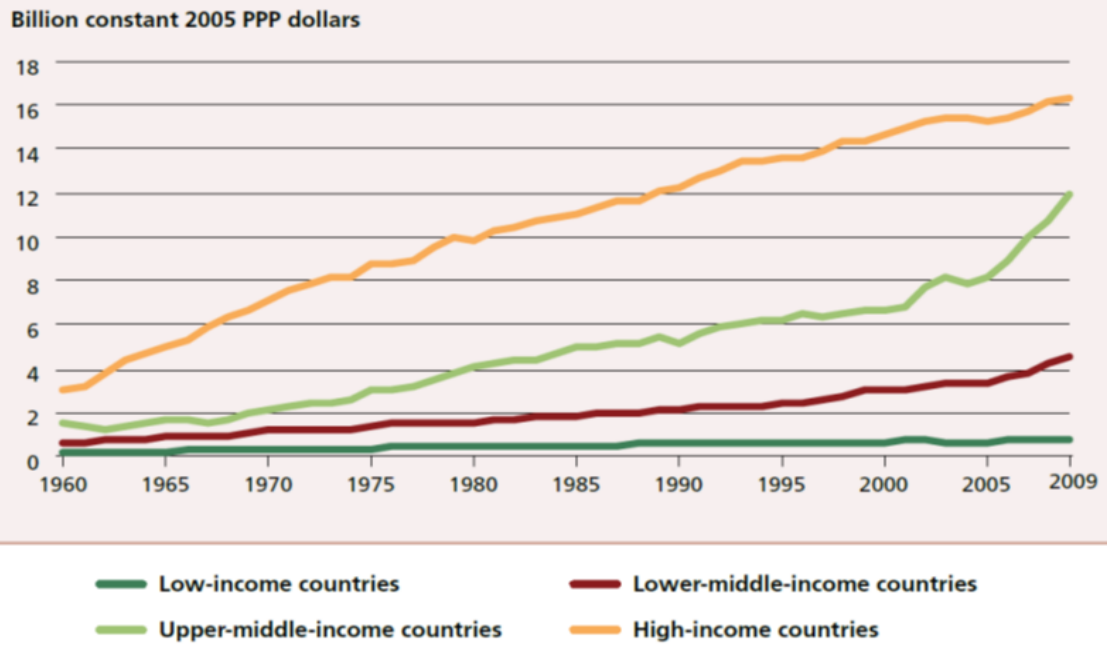
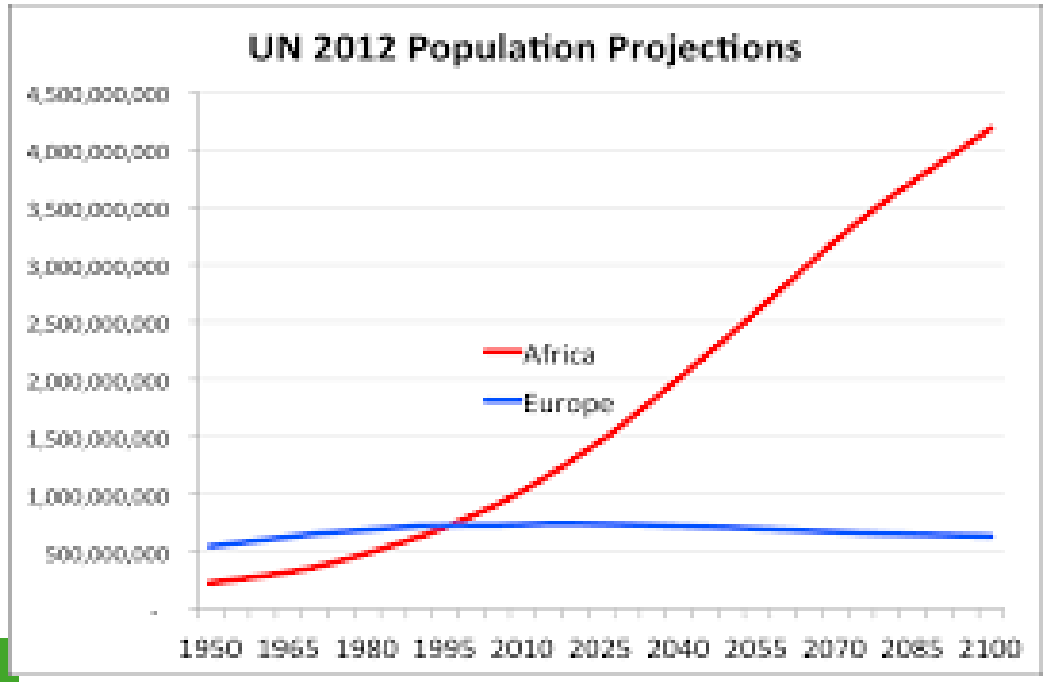


FIGURE 16
Public expenditures on agricultural R&D, by income group



Note: Data exclude countries in Eastern Europe and the former Soviet Union.
Source: Pardey, Chan-Kang and Dehmer, 2014.



Food demand largely follows population, which will continue to shift to Asia and especially Africa

R&I highly spatially concentrated

A disconnect between the geography of agricultural demand and the location of agricultural R&I

Basis for a common research agenda

→ Relevance of the research domain to African and European priorities for sustainable agriculture and food and nutritional security (CAP and CAADP objectives).

→ Expected impact of research and likelihood of uptake contributes to solutions and evidence for policy change, to positive agricultural and nutritional outcomes and to significant improvements in economies, wellbeing and resilience.

→ Capacity for joint research in both African and European scientific communities.

→ Scalability of research & innovation impact at national or regional scales.

→ Complementarity to existing bilateral and multilateral collaboration.

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4 common R&I priority areas

Sustainable intensification	Agriculture and food systems for nutrition	Expansion and improvement of agricultural markets and trade
Cross cutting issues		

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Priority areas

1. Sustainable Intensification
2. Agriculture and food systems for nutrition
3. Expansion and improvement of agricultural markets and trade

- **Ecological Intensification approaches**
- **Maintain / increase productivity through breeding, improving health and feed**
- **Animal and crop health incl. aquatic and inland fisheries**
- **Soil, water land and inputs management**
- **Marine planning and functional marine ecosystems**
- **Organisational innovations to facilitate research uptake**

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Priority areas

1. Sustainable Intensification
2. Agriculture and food systems for nutrition
3. Expansion and improvement of agricultural markets and trade

- **Research on improved value chains to deliver nutritious rich foods**
- **Improving nutritional value of crops**
- **Understanding consumer behaviour**
- **Public – Private partnerships to improve nutritional quality of foods**

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Priority areas

1. Sustainable Intensification
2. Agriculture and food systems for nutrition
3. Expansion and improvement of agricultural markets and trade

- **Surveillance, monitoring and diagnostic systems for sanitary and phytosanitary and food safety**
- **Science Agenda of mutually beneficial bio-economy innovations**
- **Reducing excessive fluctuations and improving resilience of food systems**
- **Global market chains and market power**

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Cross-cutting priorities

1. Creating a framework for improved coordination
2. Supporting innovation processes
3. Strengthening the capacities for collaboration
4. Understanding social and cultural contexts

Horizon 2020

1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bio-economy (€3.8 billion 2014-2020)
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, resource efficiency and raw materials
6. Inclusive, innovative and reflective societies
7. Secure societies

H2020 contribiution so far

SFS-06-2014 - Sustainable intensification pathways of agro-food systems in Africa: PROIntensAfrica (1/4/2015 - 31/3/2017)

SFS-41-2016: EU-Africa Research and Innovation partnership on food and nutrition security and sustainable agriculture: LEAP AGRI – ERANET co-fund – first calls should be launched soon

SFS-42-2016: Promoting food and nutrition security and sustainable agriculture in Africa: the role of innovation: call closed GA under negotiation.

SFS-43-2017: Earth observation services for the monitoring of agricultural production in Africa: closing of the call 14/02/2017

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Thank you

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