

Evidences

Study #4455

Contributing Projects:

- P2139 - Implementing foresight & targeting portfolio for MAIZE AFS, including synthesis/learning, new studies/tools, resource mobilization and inter-CRP collaboration

Part I: Public communications

Type: Other MELIA activity

Status: Completed

Year: 2021

Title: Staple cereals will provide 50% of daily calories in 2050; and higher nutritional value too

Commissioning Study: CIMMYT

Part II: CGIAR system level reporting**Links to the Strategic Results Framework:**

Sub-IDOs:

- Increased availability of diverse nutrient-rich foods
- Adoption of CGIAR materials with enhanced genetic gains
- Increased access to diverse nutrient-rich foods

Is this OICR linked to some SRF 2022/2030 target?: Yes

SRF 2022/2030 targets:

- # of more people, of which 50% are women, meeting minimum dietary energy requirements

Description of activity / study:

FAO (2017: pp.83–84) projected that staple cereals to continue to play a critical role for food security till 2050, contributing nearly half of both daily calories and protein intake in low- and middle-income countries.

Considerable benefits in terms of yields and sustainability have been also found in integrated systems, where maize and wheat, livestock production and agro-forestry in SSA are practiced together (e.g., Baudron et al., 2014).

Echoing the Royal Society (2009), because of the scale of the food security challenge, no option should be ruled out.

Staple cereals will remain critical for adequate and affordable intake of calories and proteins in diets in Africa and Asia. More diverse diets call for complementary investments in many food groups.

The decline of natural resources will continue in Africa, if more nutrients are not provided to the soils. In contrast, in many parts of Asia, intensity of production has to be reduced.

Geographic scope:

- Global

Comments: <Not Defined>

Links to MELIA publications:

- <https://repository.cimmyt.org/handle/10883/21504>
- <https://doi.org/10.3389/fsufs.2020.617009>