

DIGITAL
DAYS



AHK

Deutsch-Italienische
Handelskammer
Camera di Commercio
Italo-Germanica

FReSH:

The 4.0 food economy

May, 9 2018

Seeds&Chips - MiCo Congressi - Milano





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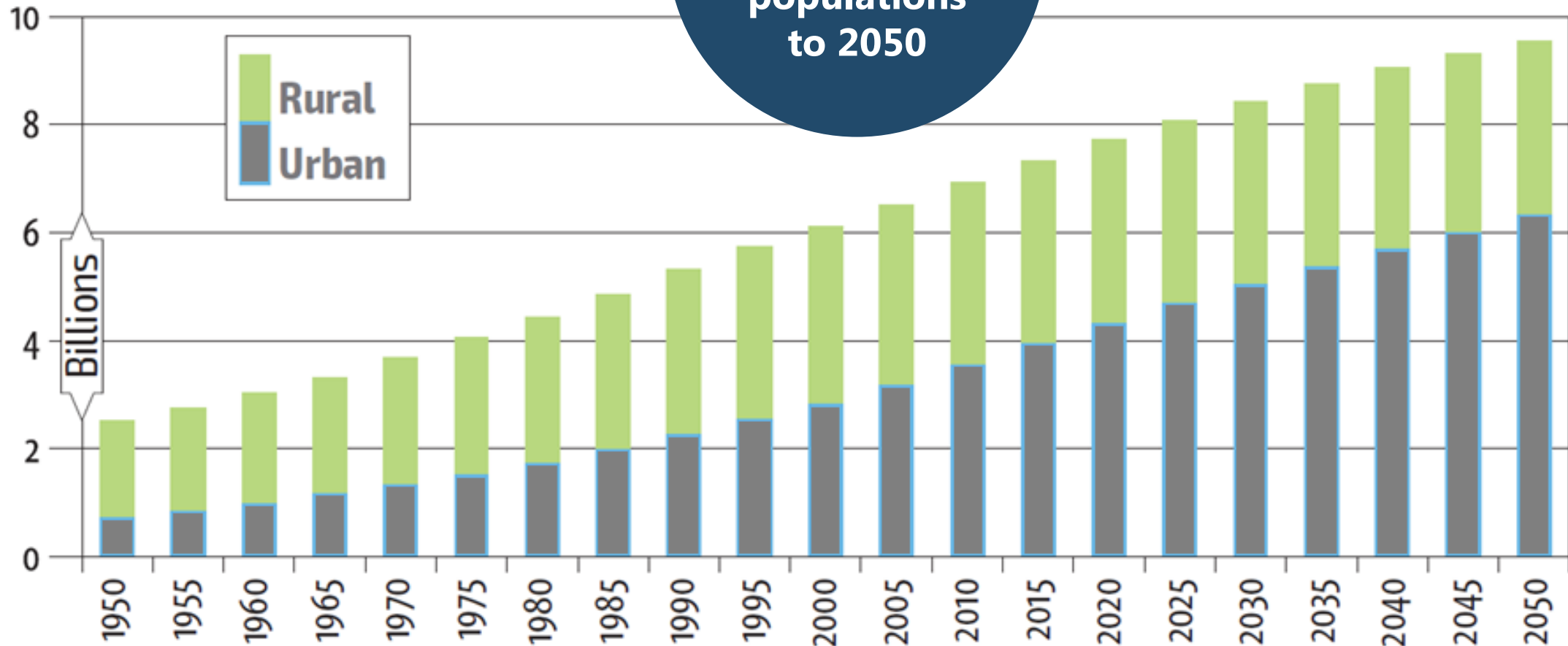
TRENDS AND CHALLENGES FOR FOOD, AGRICULTURE AND NUTRITION

Perspectives from the work of FAO

Günter Hemrich, Deputy Director *a. i.*, Nutrition and Food Systems Division, FAO



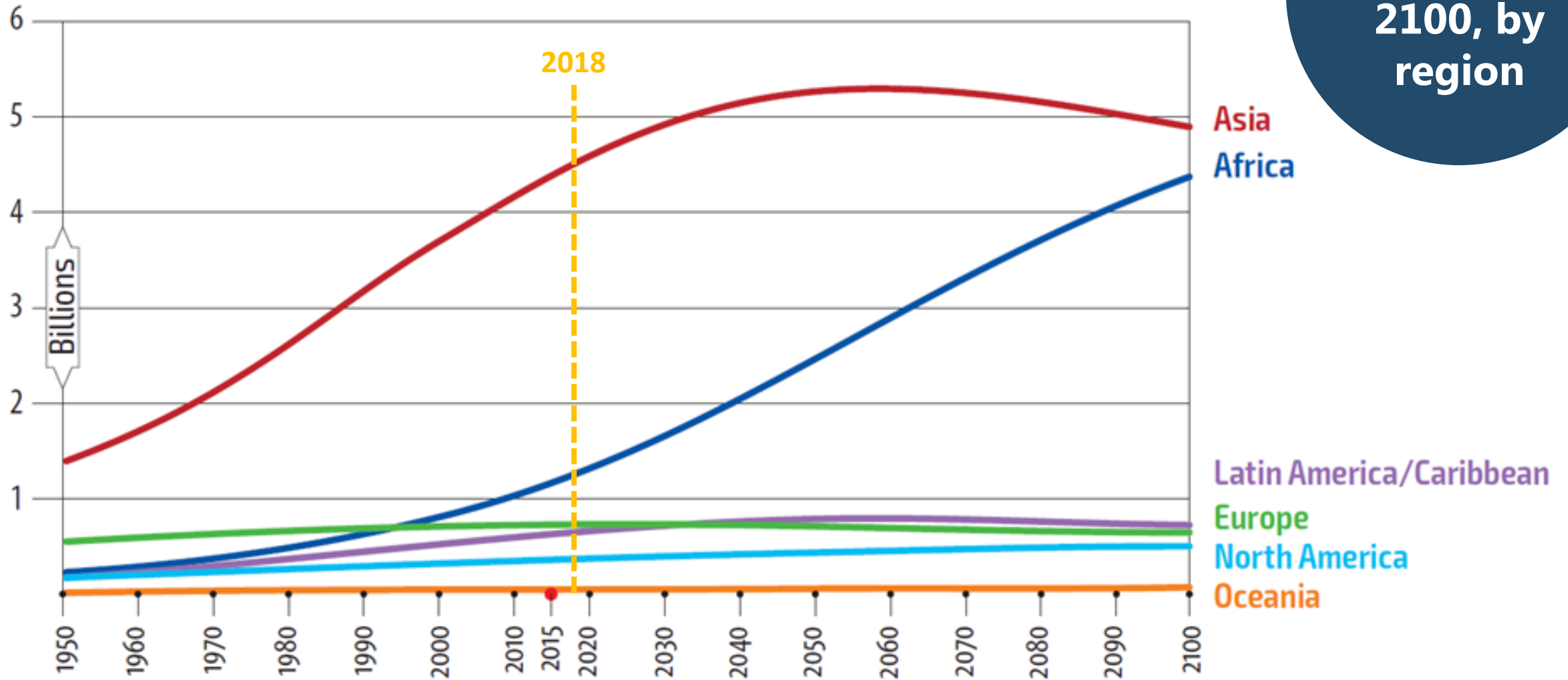
Growth in
global urban
and rural
populations
to 2050



Source: UN, 2015.



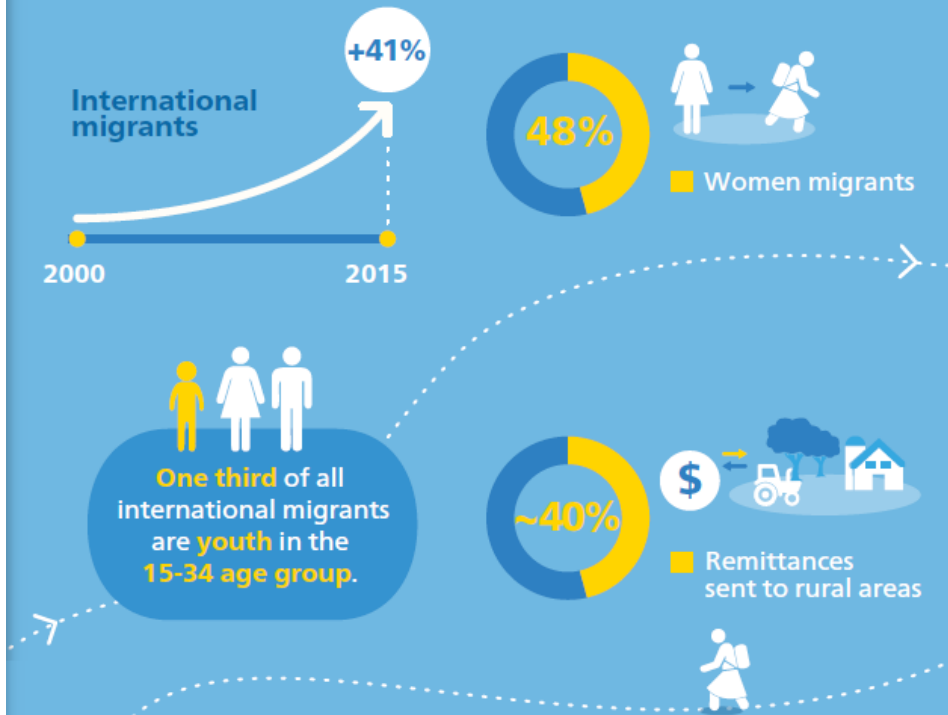
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Source: UN, 2015.



Migration **facts**



244
MILLION
international
migrants

740
MILLION
internal
migrants

**Migration
is affecting
rural areas**



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**Will we
be able to
feed the world
by 2050?**



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A background image showing a pair of hands holding a small green plant, with a blue semi-transparent box overlaid on the left side containing the text.

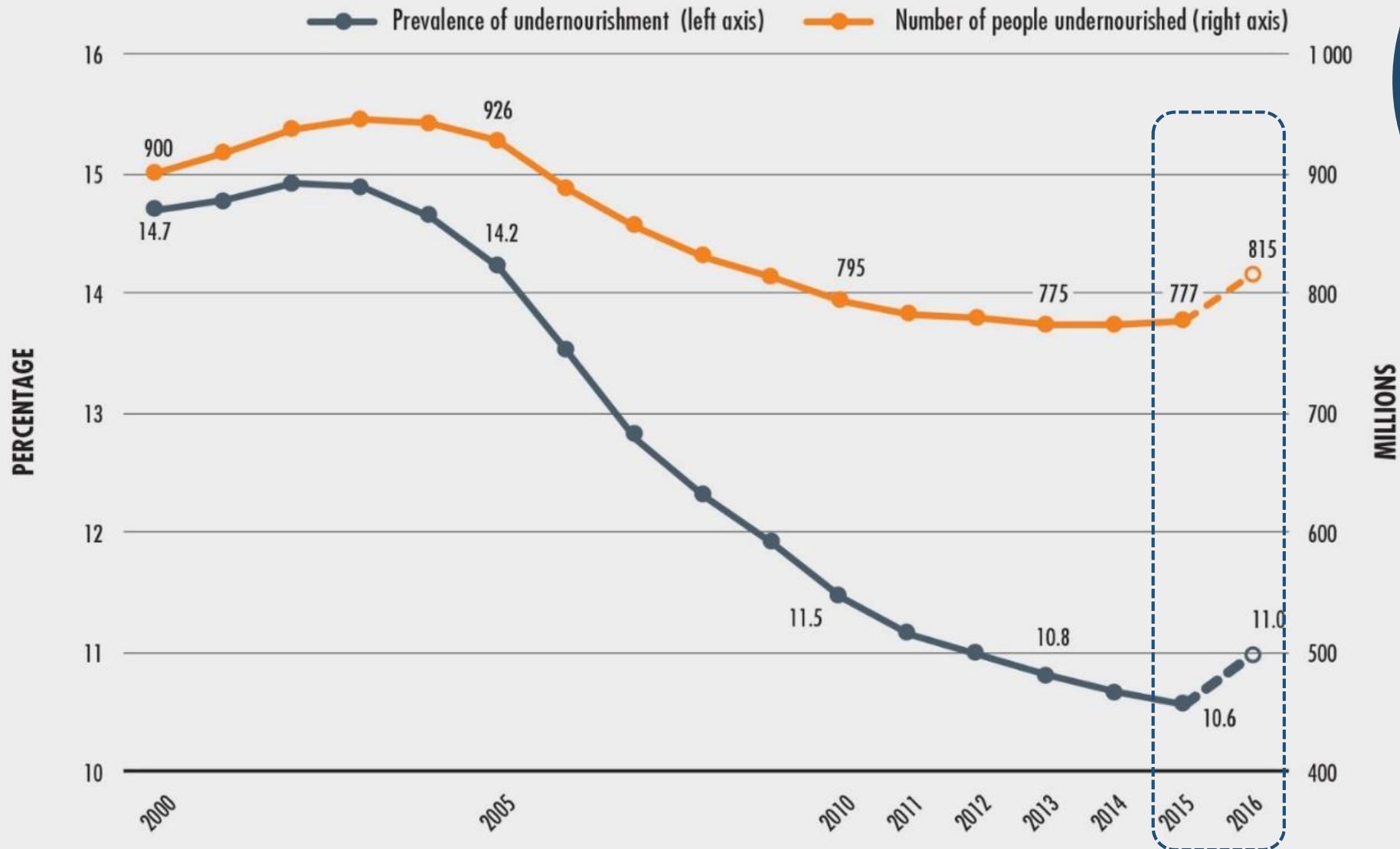
**Will we be able to
feed the world by
2050?**

Yes, but it will likely be challenging

- Yield growth is slowing down;
- Competition for land and water resources is intensifying;
- Yield growth is hampered by the degradation of natural resources, and spread of transboundary pests and diseases;
- Food losses and waste claim a significant proportion of output;
- Climate change affects food-insecure regions the most.



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**World
hunger is
on the rise
again**

**815 million
are hungry
(1 in 9 people)**

Source: The State of Food Security and Nutrition in the World, 2017. Building resilience for peace and food security.

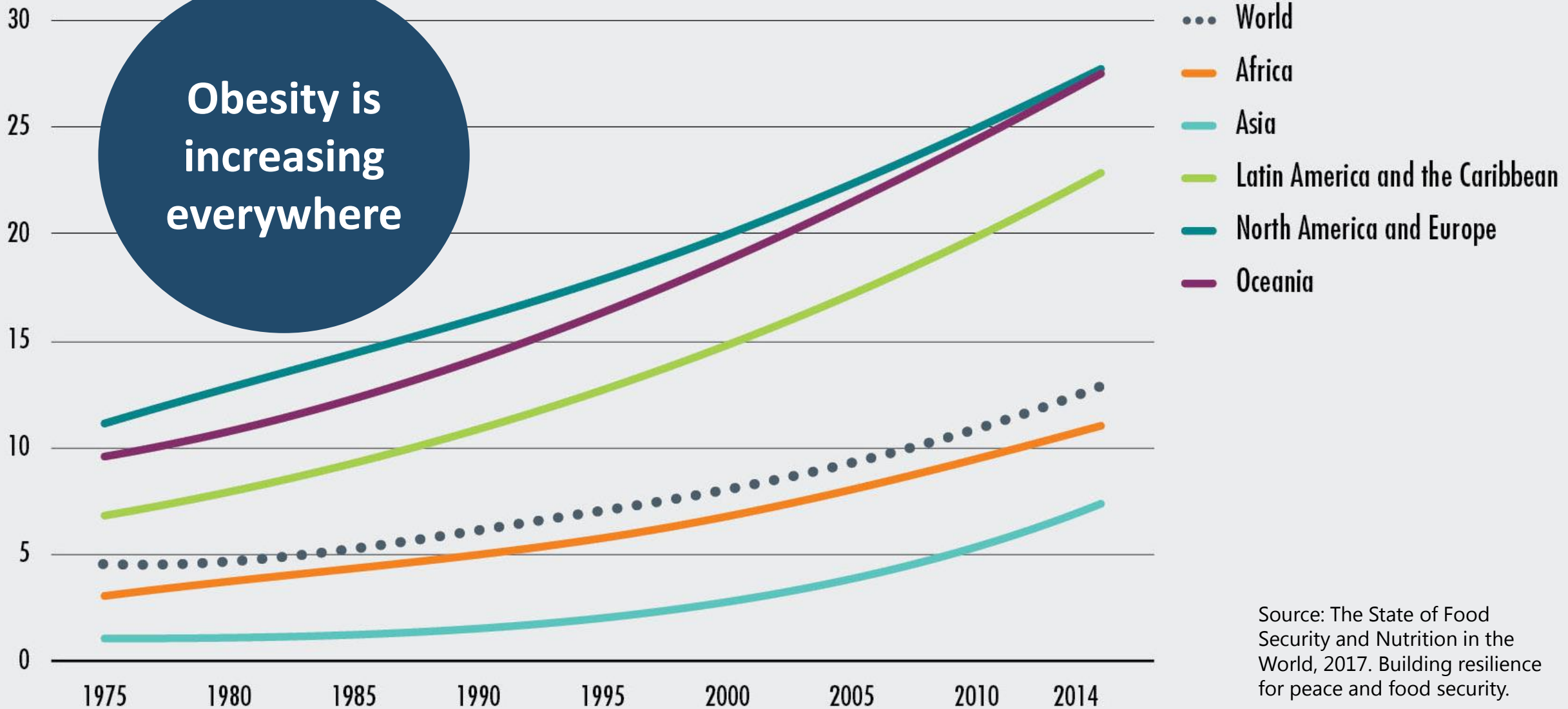


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PREVALENCE OF OBESITY IN ADULTS (PERCENTAGE)

Obesity is
increasing
everywhere



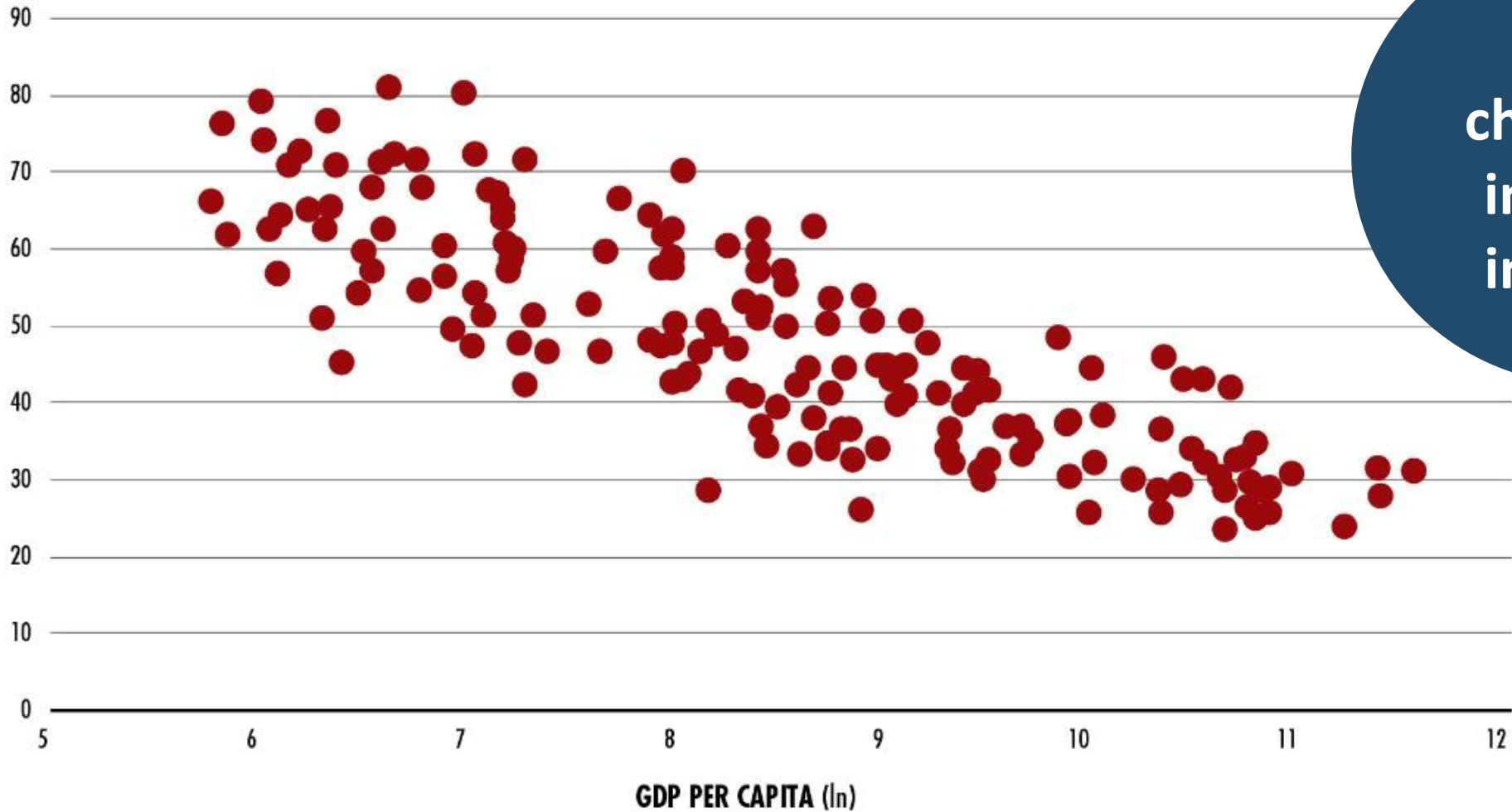
Source: The State of Food
Security and Nutrition in the
World, 2017. Building resilience
for peace and food security.



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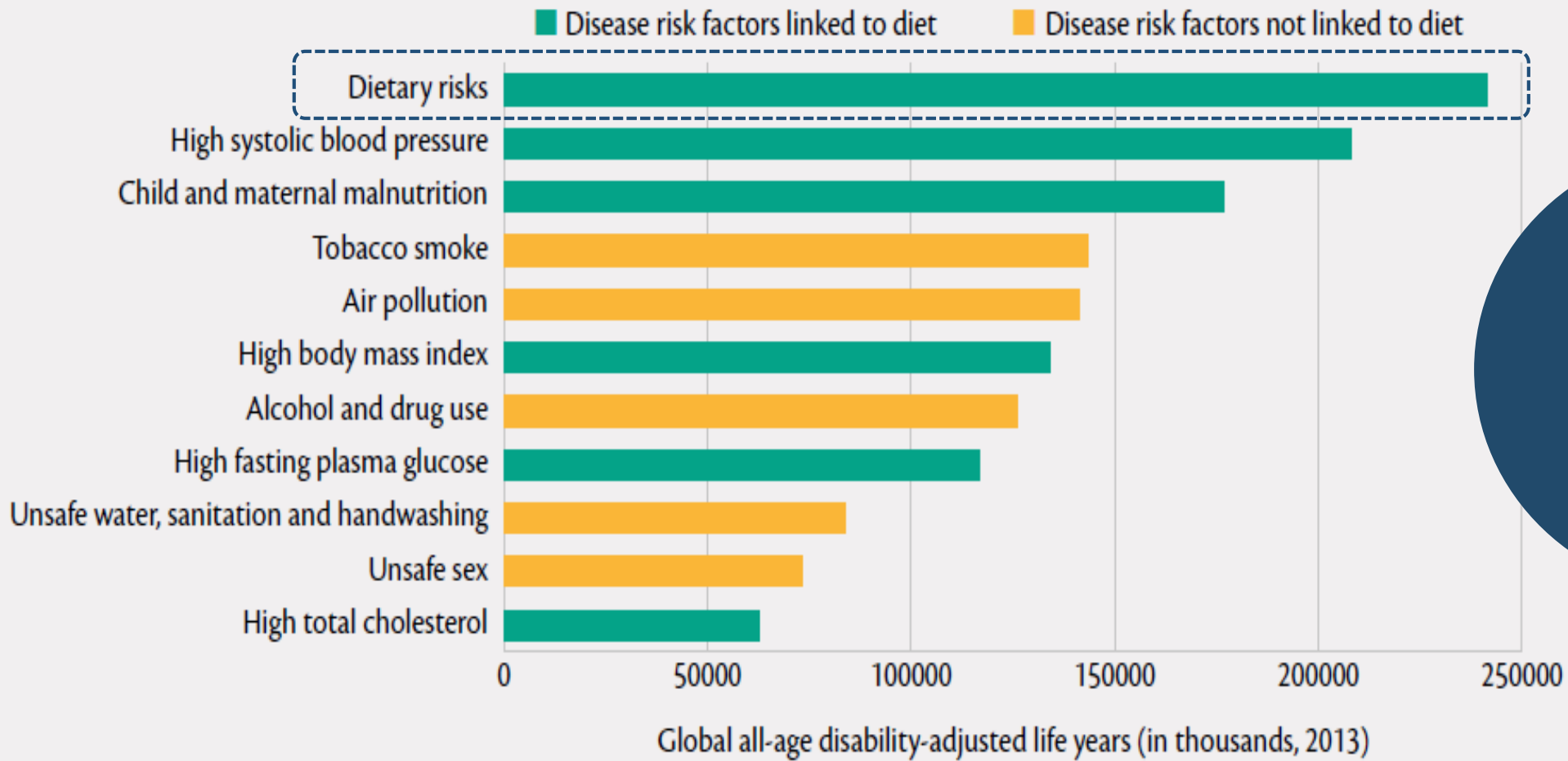
SHARE OF TOTAL CALORIES CONSUMED (PERCENTAGE)



Diets
change as
incomes
increase

NOTE: Staple foods include cereals, roots and tubers.

SOURCES: FAO (2017c) and World Bank (2016a).



**Diet is the
top factor
affecting
health**

Source: Global Burden of Disease Study 2013 Collaborators (2015), Figure 5

Note: The graph shows global disability-adjusted life years (DALYs) attributed to level 2 risk factors in 2013 for both sexes combined.

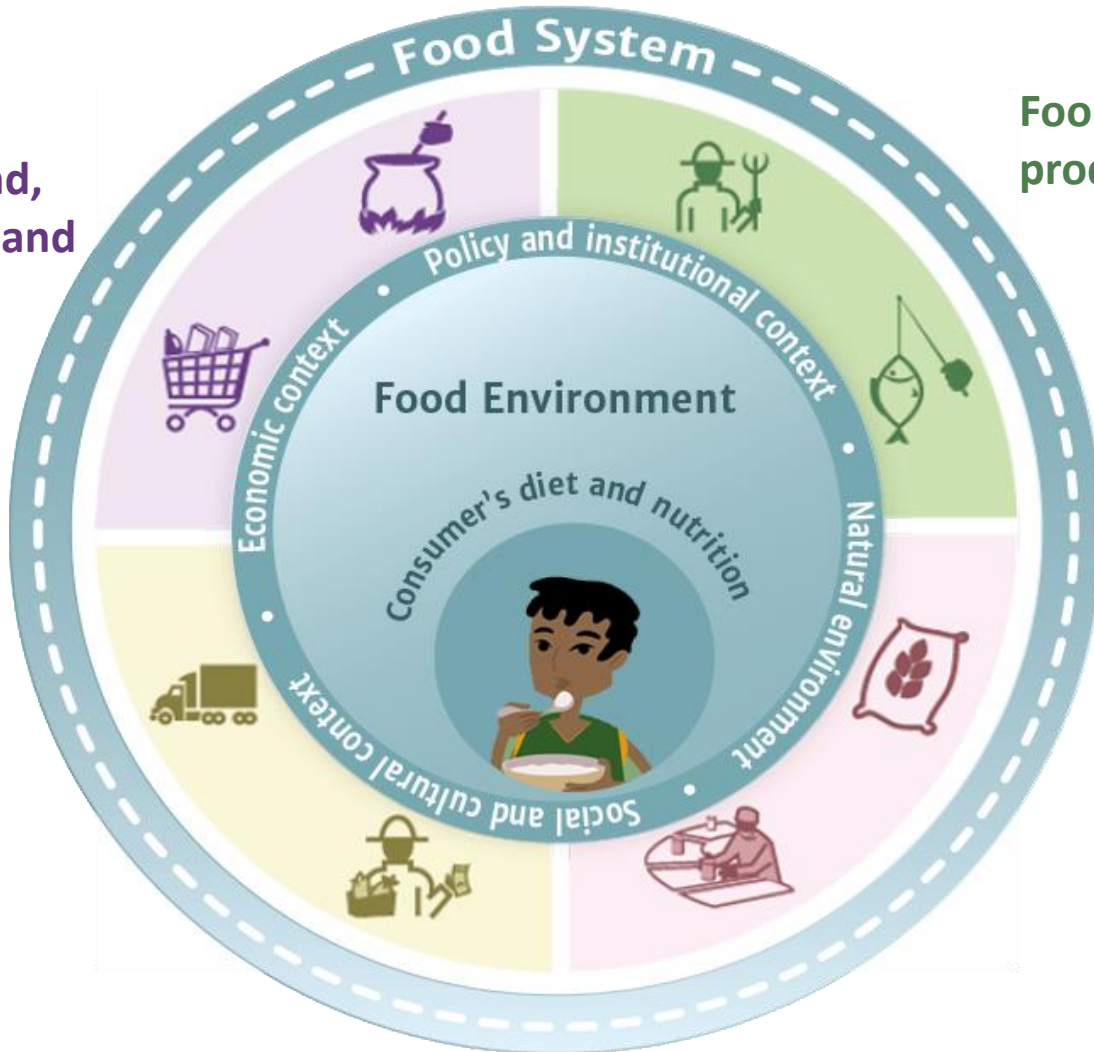


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Consumer demand,
food preparation and
preferences

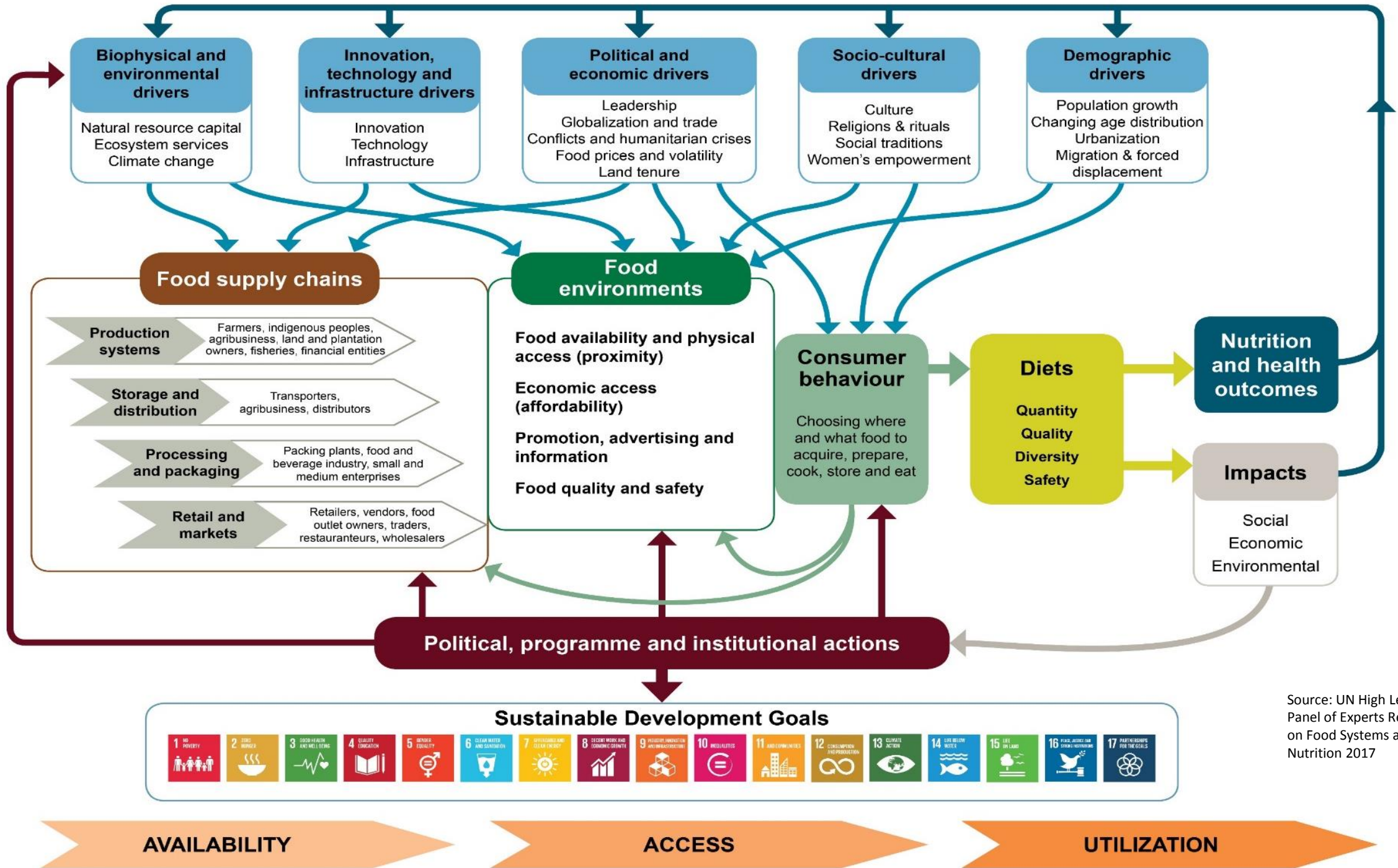
Food trade
& marketing



Food
production

Food handling, storage
and processing

Improving
nutrition
requires
addressing all
functions of the
food system



Source: UN High Level Panel of Experts Report on Food Systems and Nutrition 2017



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Food and agriculture
targets relate to all
17 Goals of the
2030 Agenda





How FAO contributes

**Putting
information
within
reach**

**Developing
Capacities**

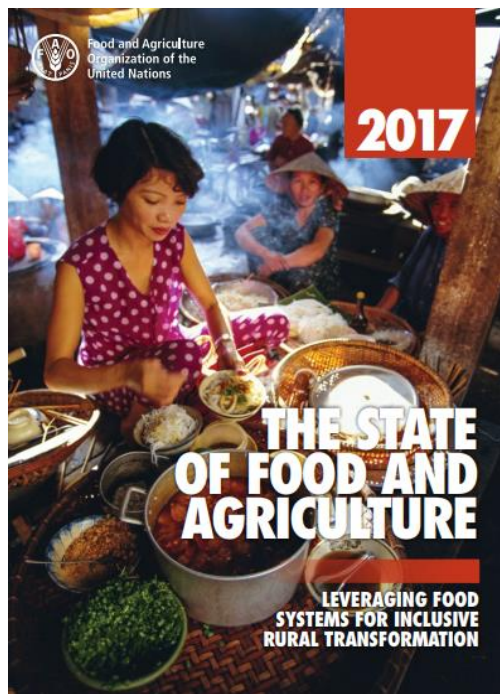
**Providing
Policy
Support**

**Providing
a meeting
place for
nations**

**Sharing
know-how,
skills and
expertise**

Putting information
within reach

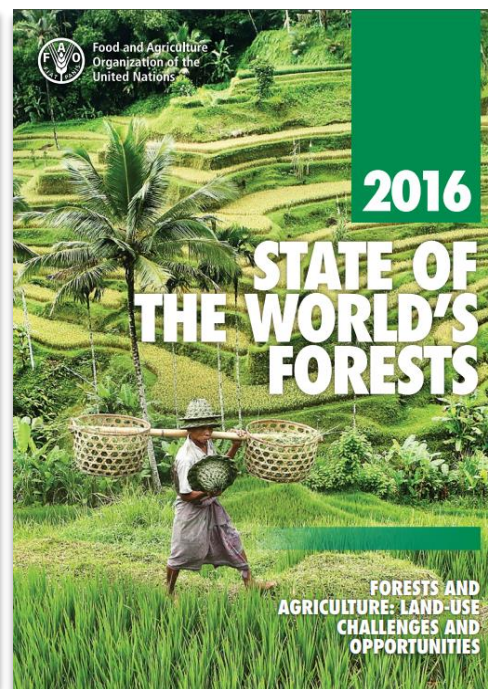
Flagship Publications



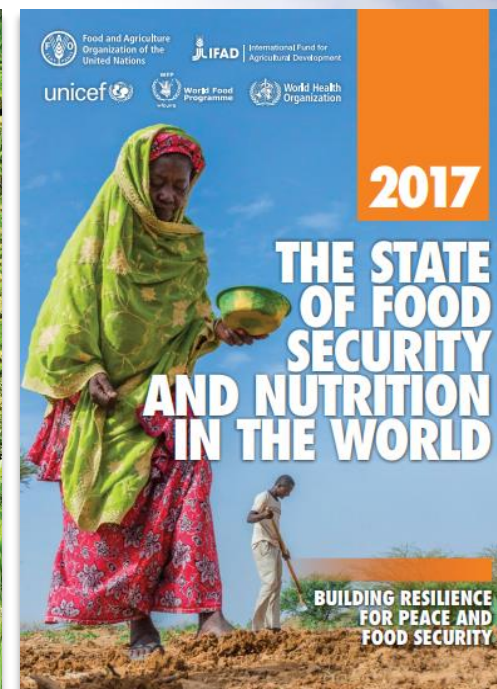
(SOFA)



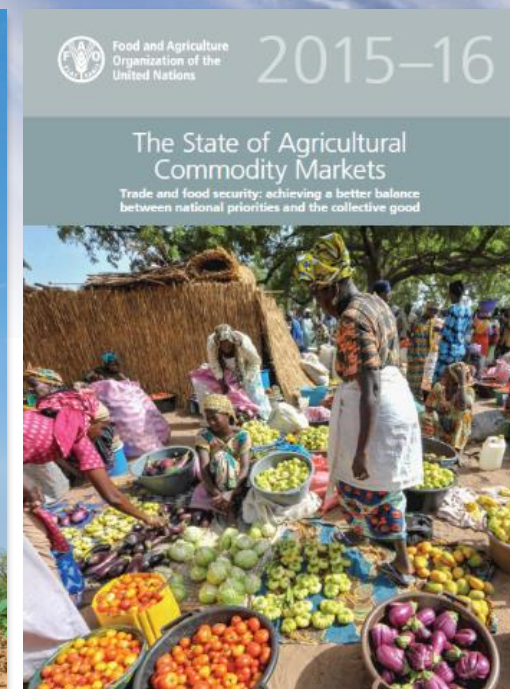
(SOFIA)



(SOFO)



(SOFI)



(SOCO)

Putting information
within reach

Trends and challenges

A quadrennial FAO review of the challenges
that agriculture and food systems are facing



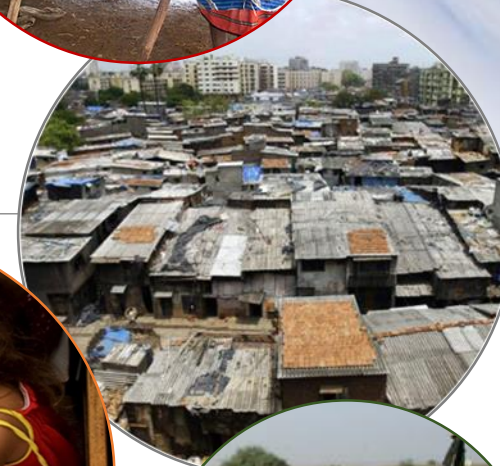
MIGRATION

URBANIZATION

BIODIVERSITY

NUTRITION

CLIMATE CHANGE





Thank
you!