Food:

Mobilizing Resources for the Future we want

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ASKFOOD – 22.04.2020

Ref.: wikicommons

7 Challenges

Population growth

Climate change

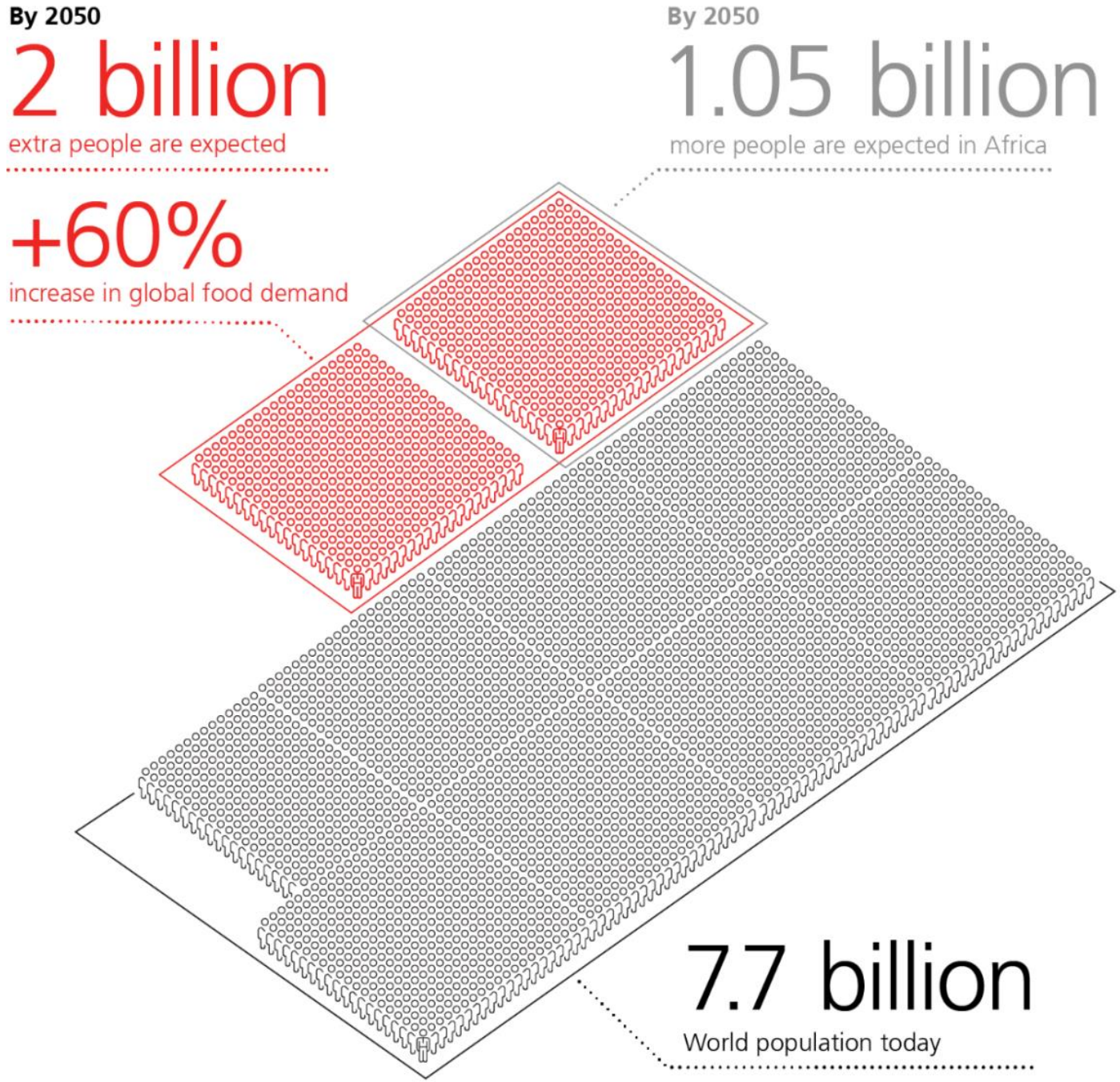
Water access

Food waste

Nutrition and Health

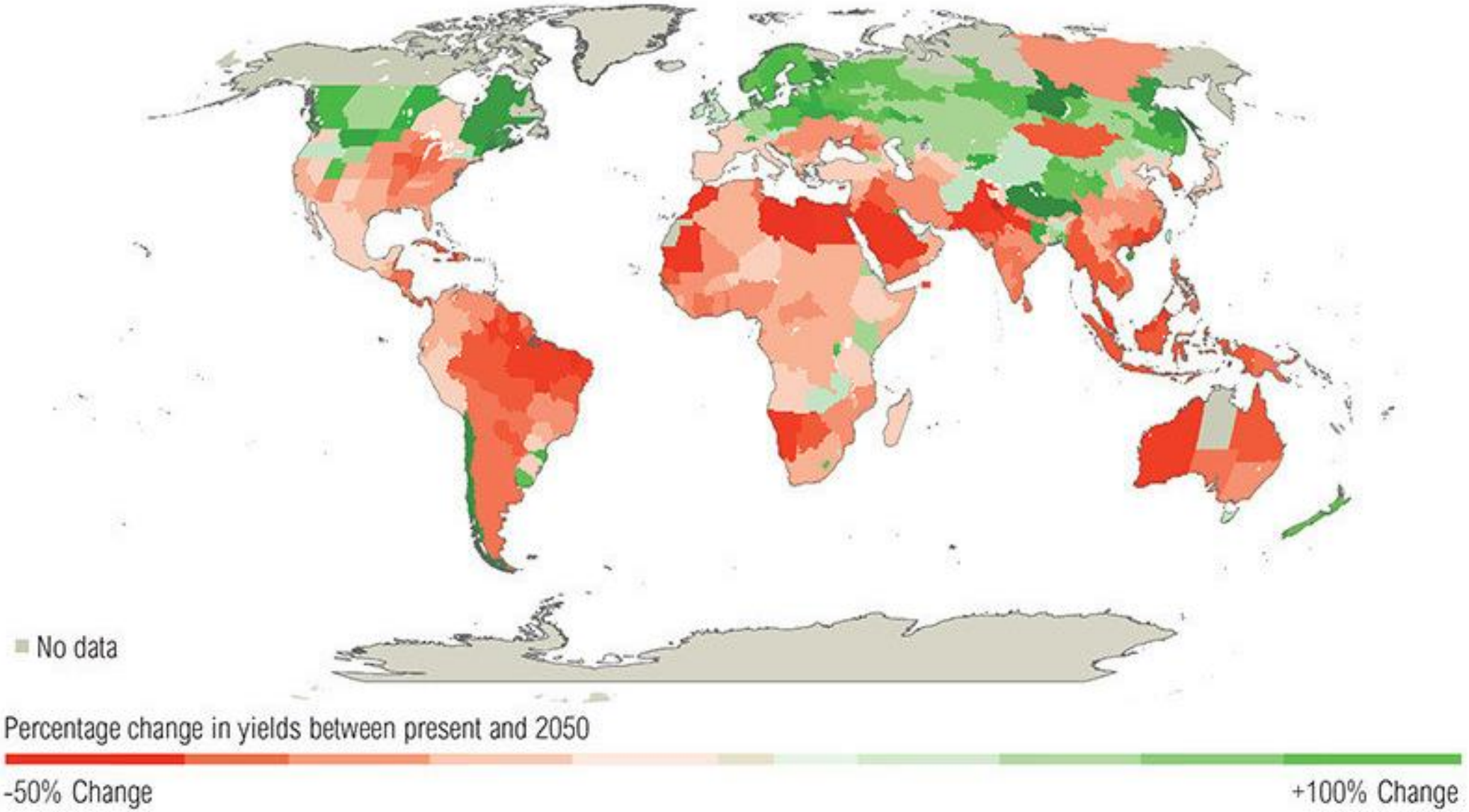
Consumer Trends

Sustainability

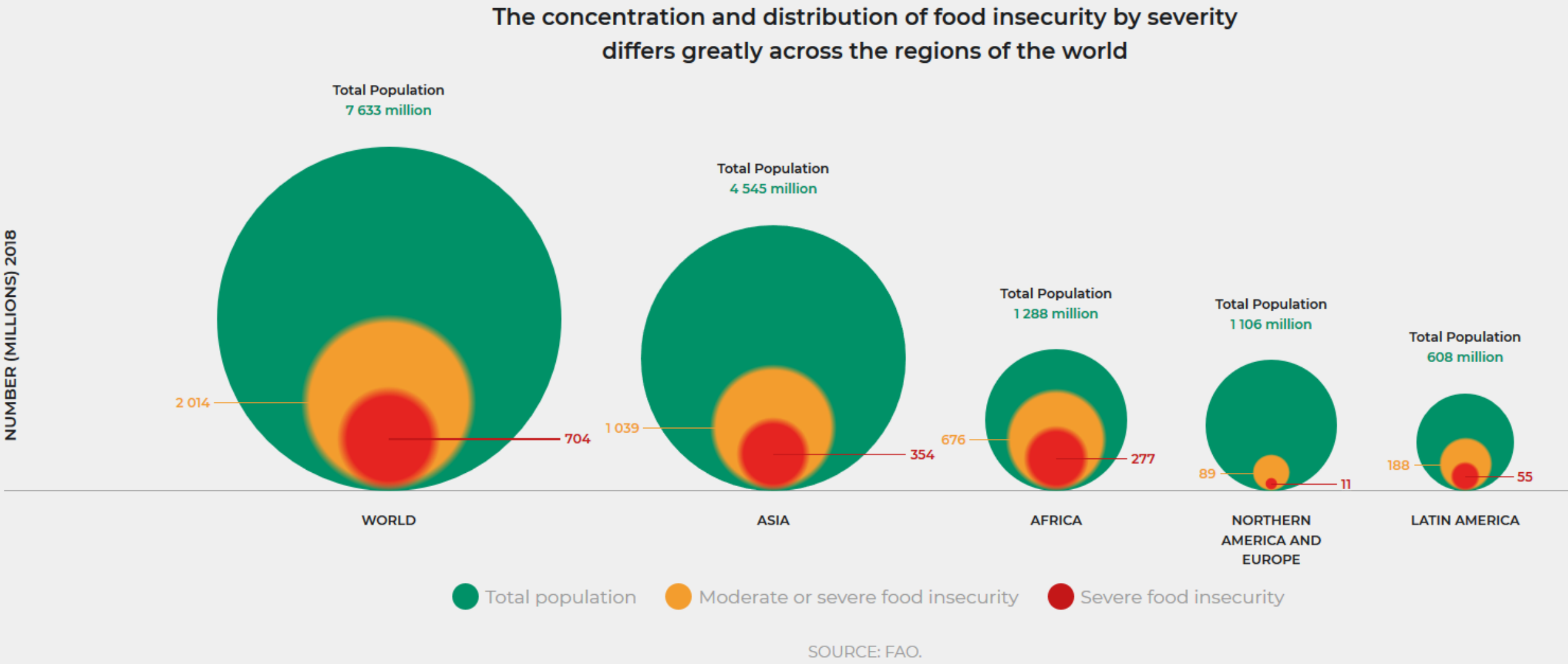


Ref.: UBS-Future of Foo

Climate Change to impact negatively Yields



Ref.: FAO


The concentration and distribution of food insecurity by severity differs greatly across the regions of the world
NUMBER (MILLIONS) 2018
Total Population
7 633 million
2 014
704
WORLD
Total Population
4 545 million
1 039
354
ASIA
Total Population
1 288 million
676
277
AFRICA
Total Population
1 106 million
89
11
NORTHERN AMERICA AND EUROPE
Total Population
608 million
188
55
LATIN AMERICA
Total population
Moderate or severe food insecurity
Severe food insecurity
SOURCE: FAO.

Ref.: FAO

Major challenges in global nutrition and health

1 out of 5 will be over 65

70%

70% of developed countries with more 50+ than 50-

2050

By 2050, there will be 2B people aged 60 and over (~22% of population)

35%

Malnutrition is the cause of 35% of the disease burden in children <5 yrs

Maternal and child malnutrition: 3-5M deaths

Increased susceptibility to chronic diseases later in life

1 out of 3 is overweight or obese

120M people in the US

20%

20% of people under 18 years in China

1 in every 4 suffers from an allergy

50%

In developed countries, forecast studies estimate 50% of people in 20 years

Consumer trends, developed markets

Natural / Organic / Fresh / Raw

Free-from / Food sensitivities

Vegetarian / Vegan

Experimental / Novel

Authentic / Origin

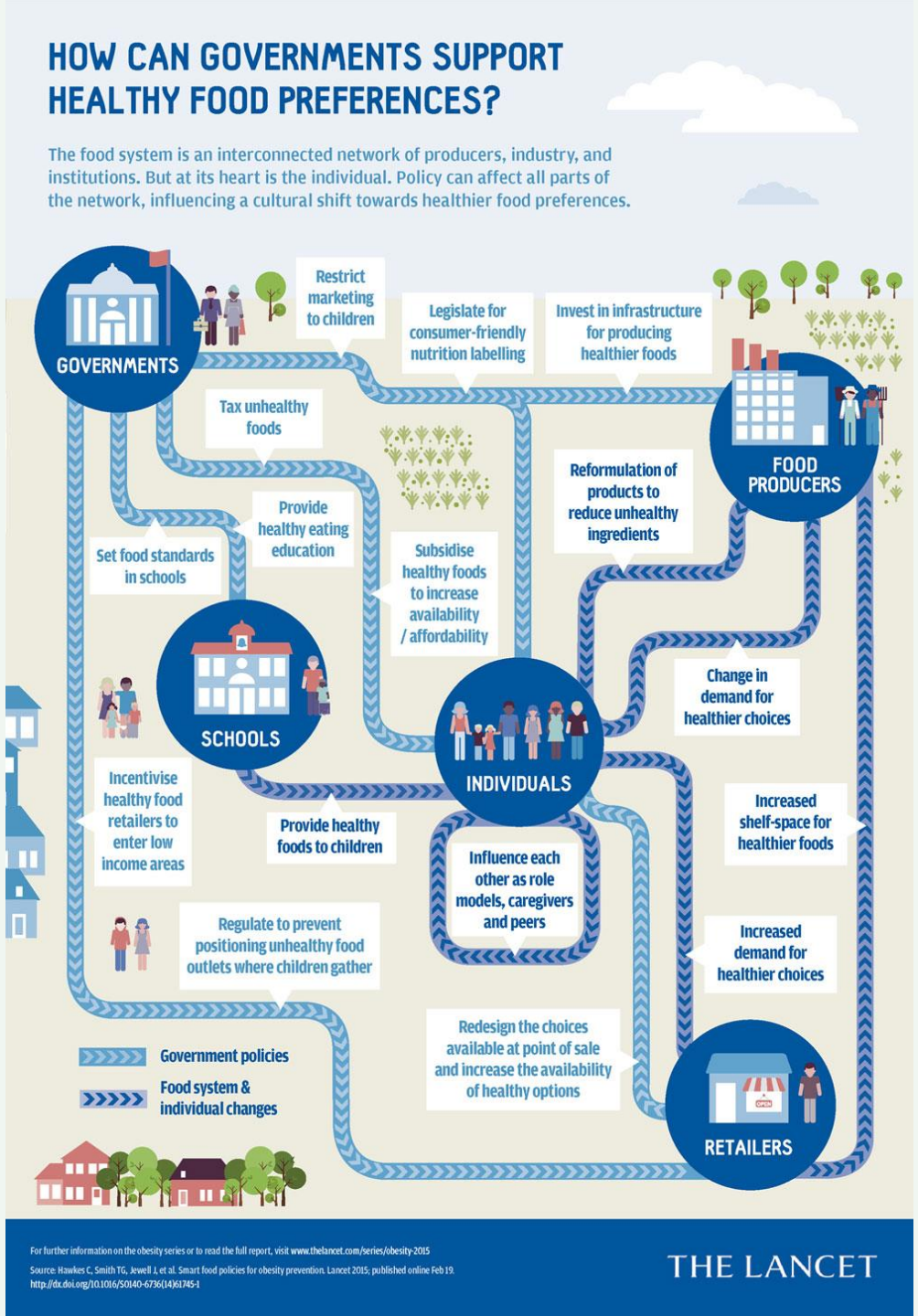
Microbiome

Proactive health management

Sustainability / Plastics

Fighting Obesity: Intervention Policies

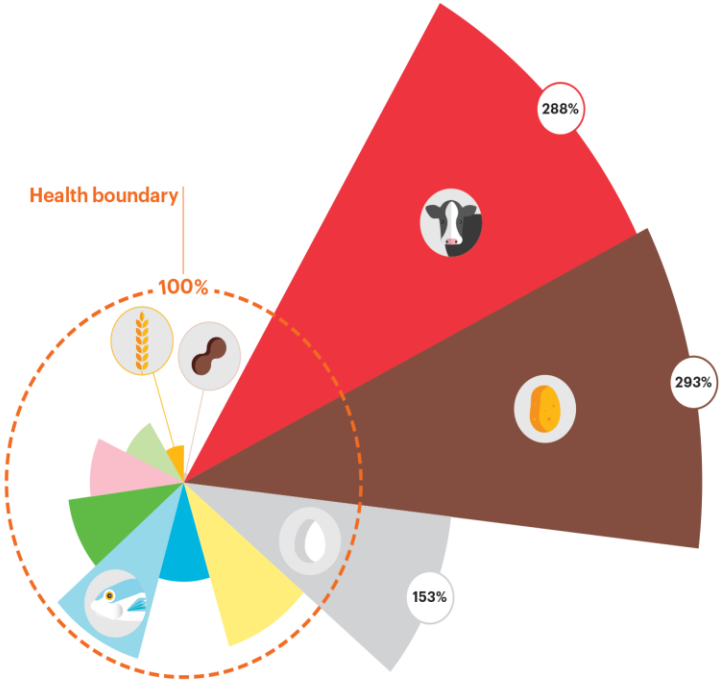
Ref.: LANCET
Smart food policies for obesity prevention
https://www.thelancet.com/action/showPdf?pii=S0140-6736%2814%2961745-1



Health & Sustainability: they go together!

Current Diets vs Planetary Health Diet

Global



Ref.: LANCET – The EAT Report

Solutions

Food innovation

Smart farming

Supply chain innovation

Water saving technology

Big data and connectivity

Satellite-enabled systems

WHAT WORLD AFTER COVID19 ???

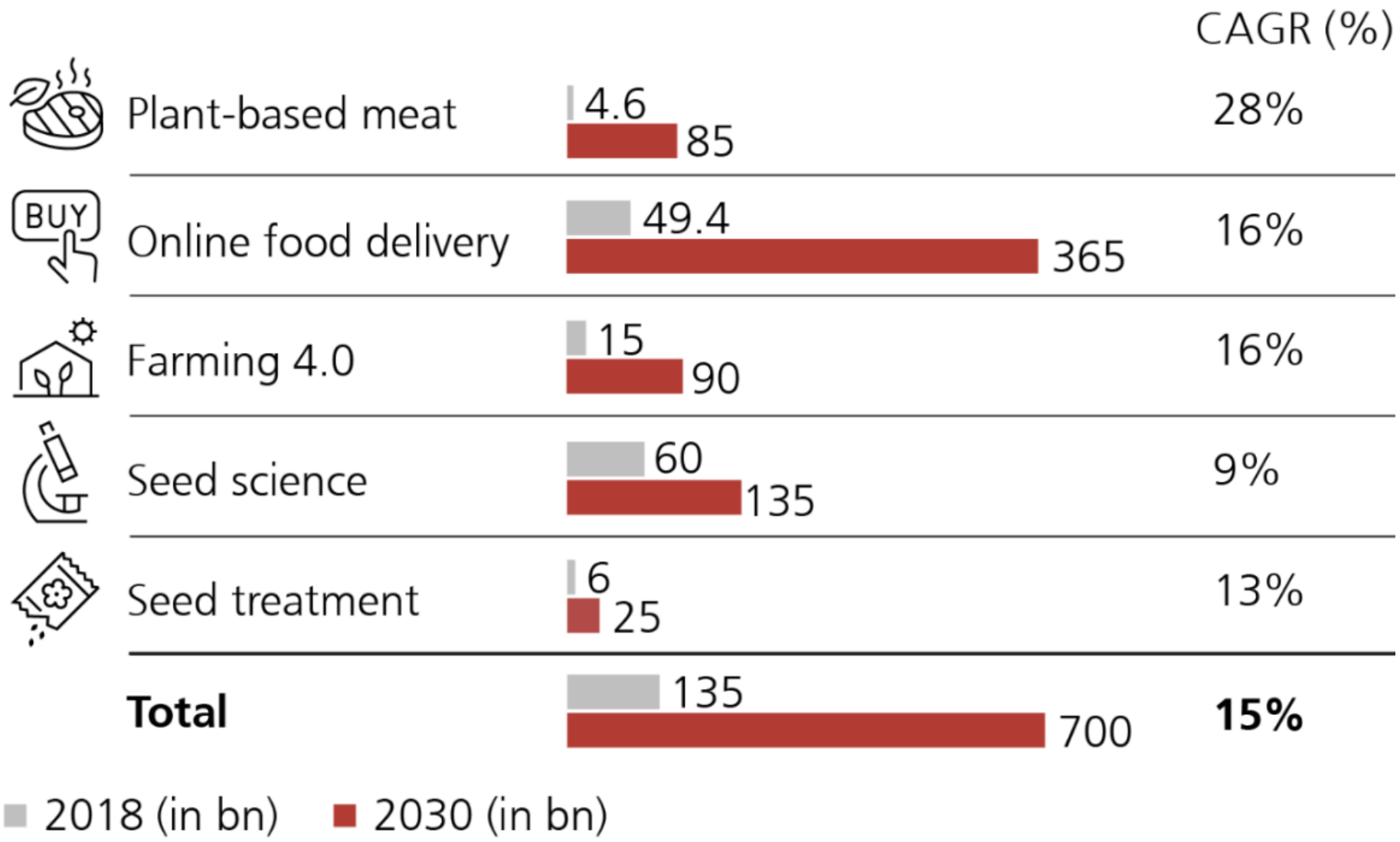
MORE DEBTS

LESS GLOBAL

MORE DIGITAL

AND... SUSTAINABILITY???

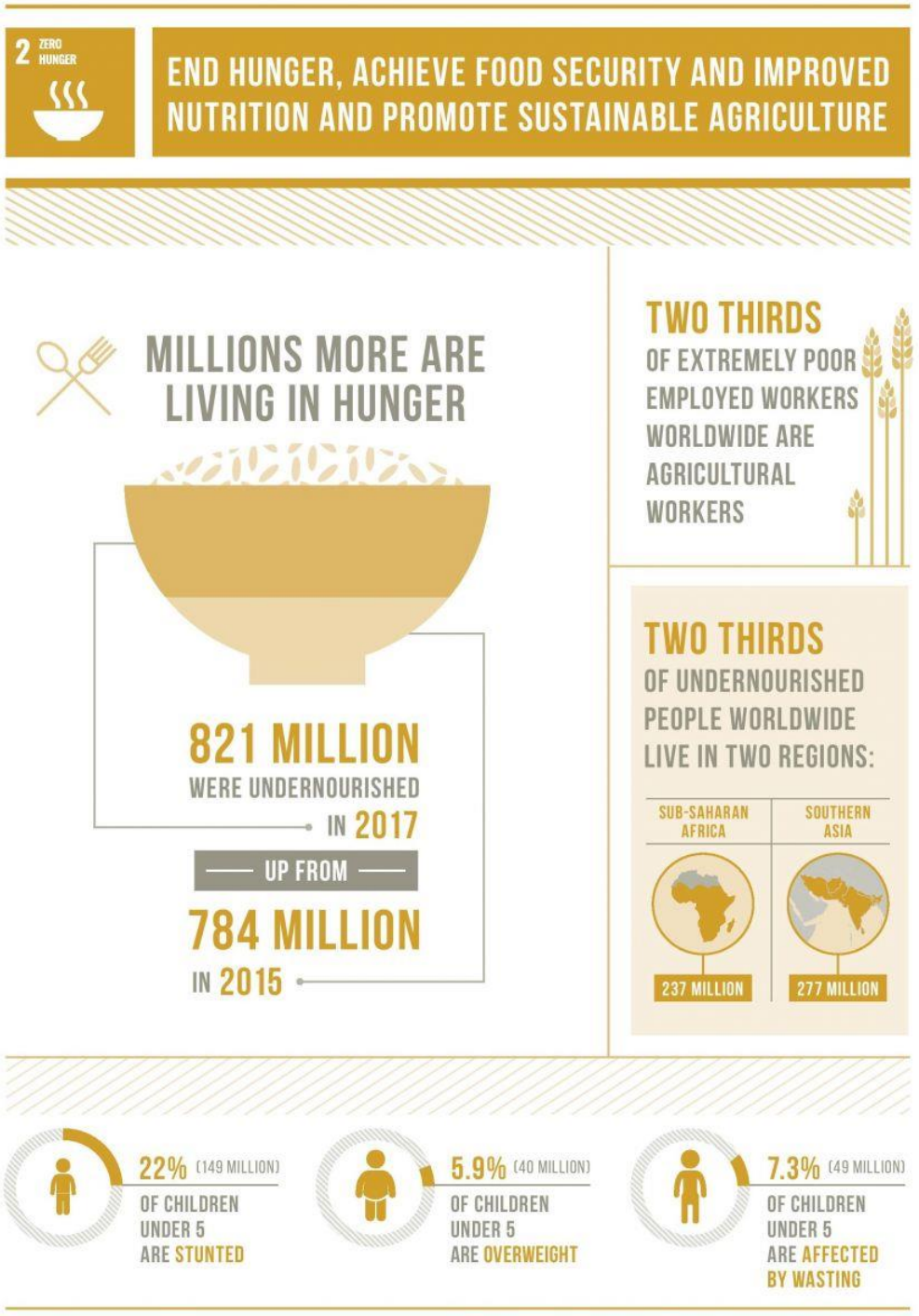
Opportunities, by 2030



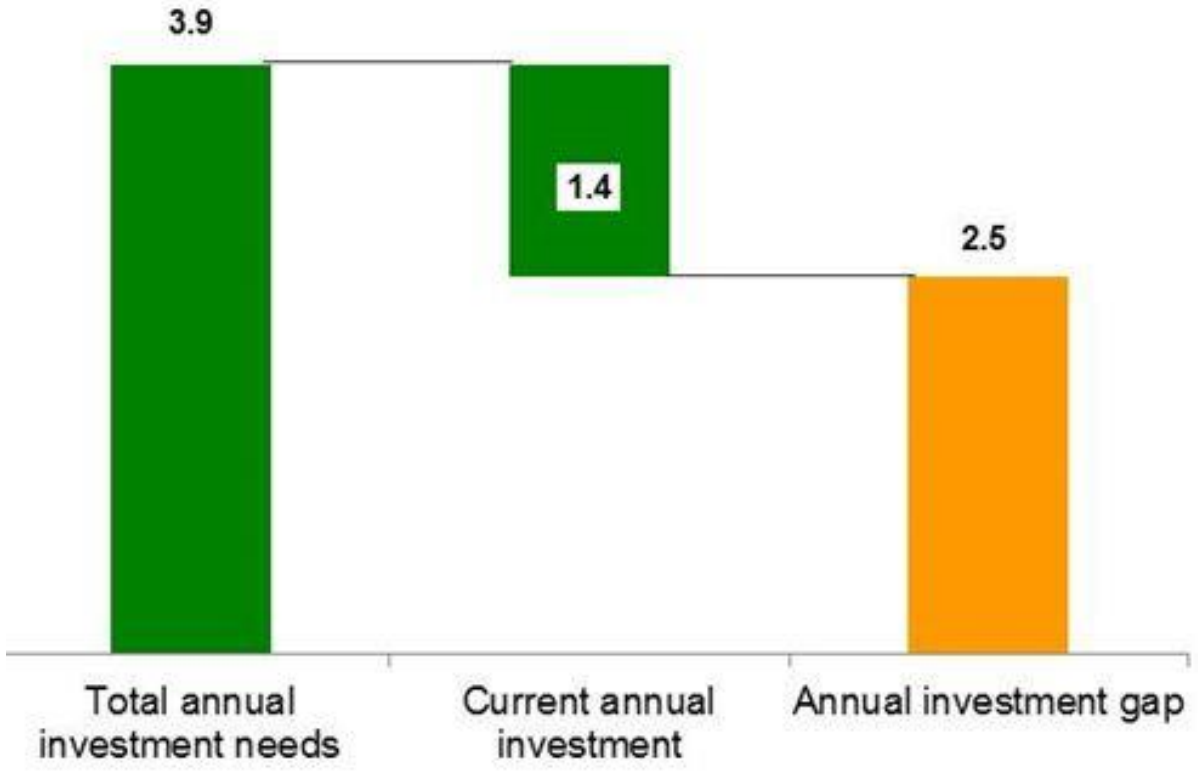
Ref.: UBS Future of Food

FAO: Estimated Cost to

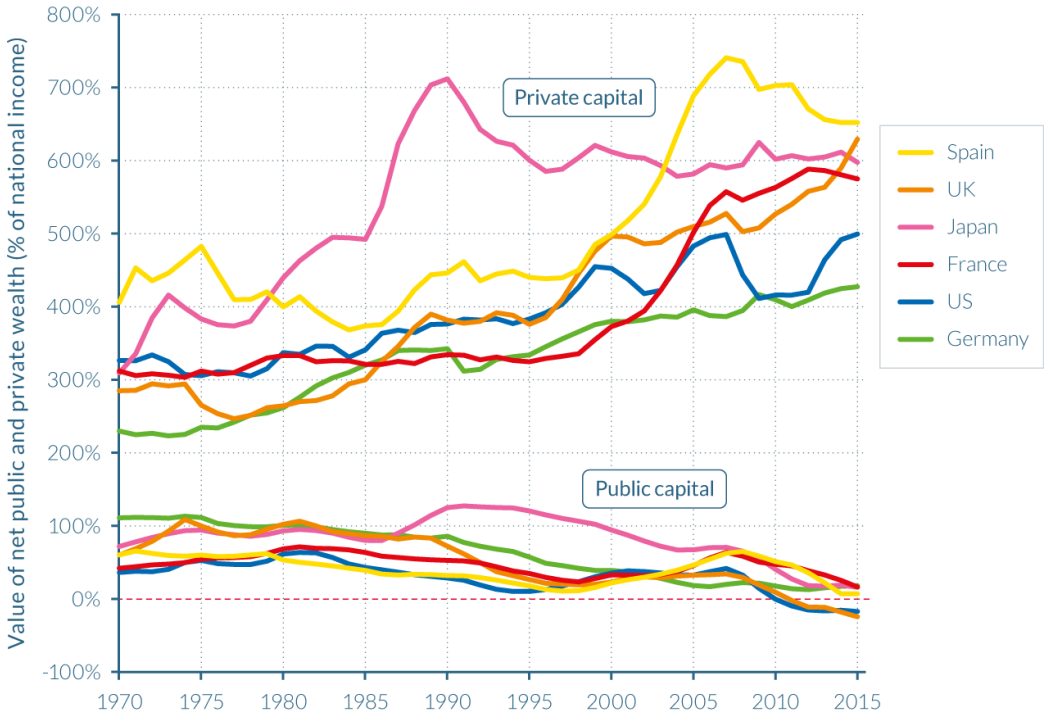
- Eliminate Undernutrition: 300 bio US$
- Food Security (upto 2050): 2’300 bio US



Delivering the SDG's must bridge current Investment Gap



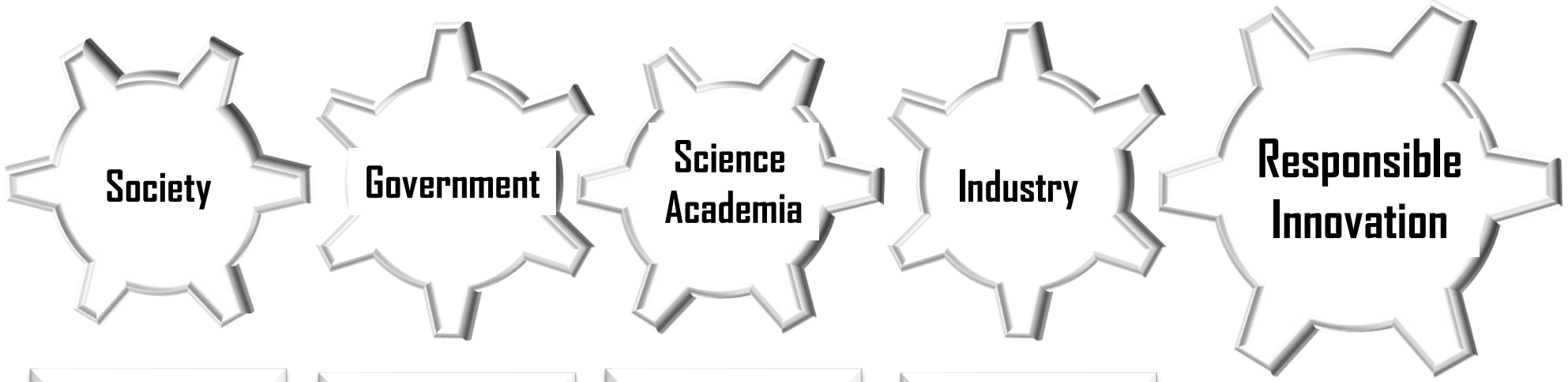
Estimated annual investment needs in key SDG sectors, 2015–2030
(trillions of dollars, annual average)
https://unctad.org/en/pages/PressRelease.aspx?OriginalVersionID=194



Source: WID.world (2017). See wir2018.wid.world/methodology.html for data series and notes.

In 2015, the value of net public wealth (or public capital) in the US was negative (-17% of net national income) while the value of net private wealth (or private capital) was 500% of national income. In 1970, net public wealth amounted to 36% of national income while the figure was 326% for net private wealth. Net private wealth is equal to new private assets minus net private debt. Net public wealth is equal to public assets minus public debt.

Shaping Food Ecosystems delivering Societal Impact: All 'wheels' must collaborate!



Gets involved
Argues fairly
Accepts + supports resolutions

Understands citizens
Designs smart policies + agile regulations
Fosters innovation

Generate + communicate knowledge with integrity

Generates value for share- + stakeholders consumers
Reports with integrity
Manages risks

Builds the future we want

Ref.: EIRMA RI TF

THE END