

From Science to Policy

Climate change as a driver of emerging risks
for food & feed safety, plant, animal health
and nutritional quality

Synergies with IPCC & Foresight work

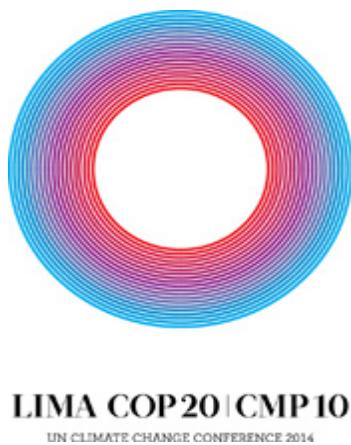
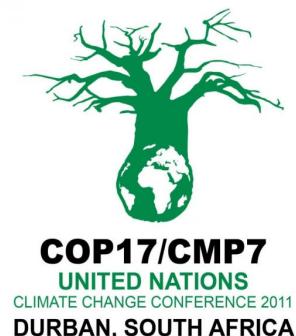
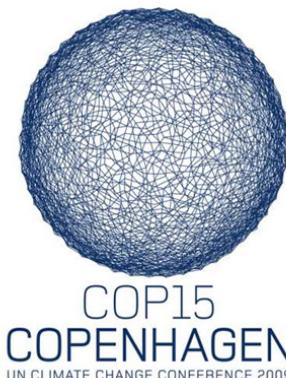


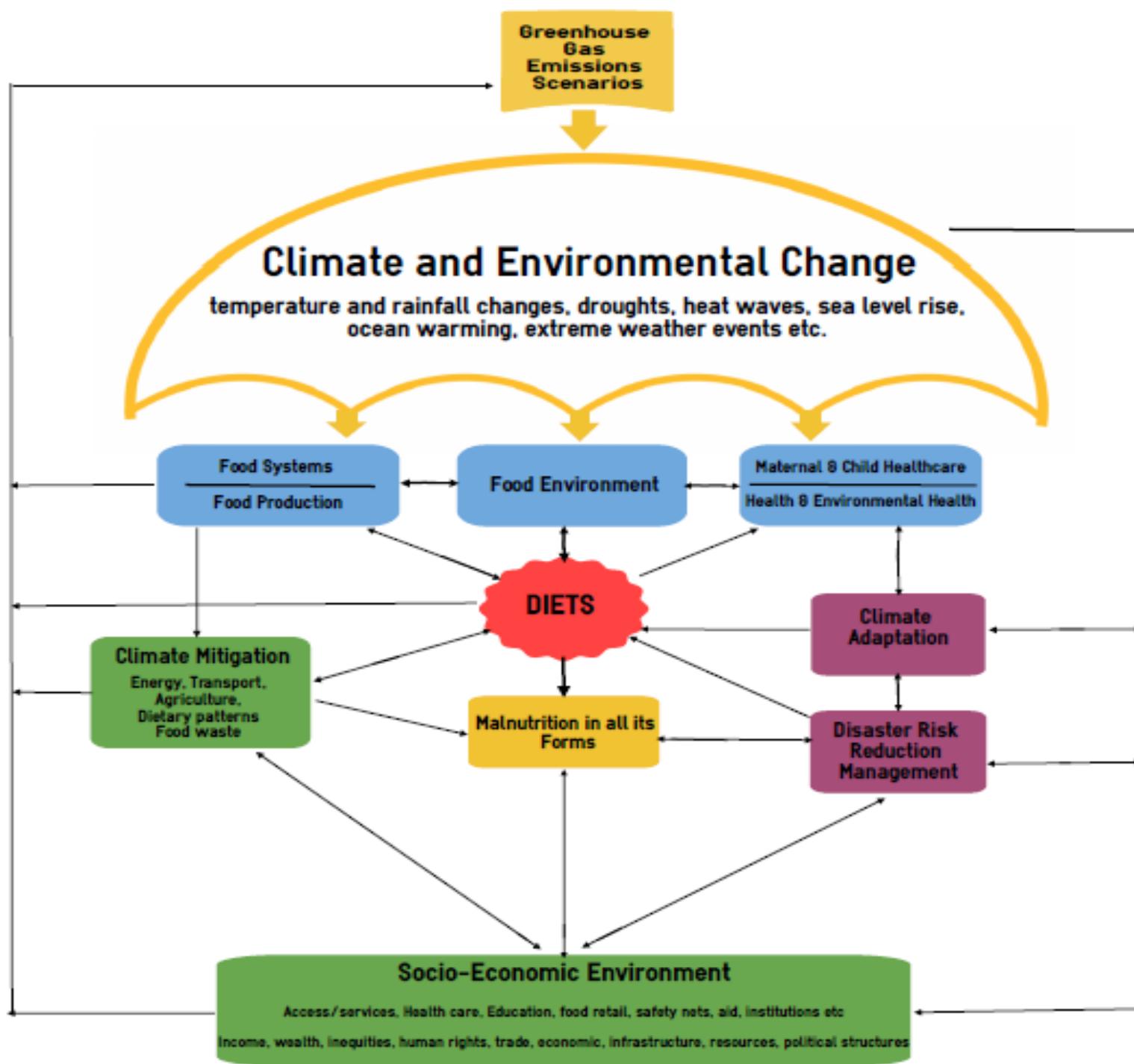
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Outline

- Overview of activities related climate change
- How CLEFSA has been useful for your activities
- Potential synergies with other initiatives

Mainstreaming sustainable and healthy food systems and diets @UNFCCC







United Nations
Framework Convention on
Climate Change

Co-benefits of changing Diets

“opportunities to achieve co-benefits from actions that reduce emissions and at the same time improve health by shifting consumption away from animal products, especially from ruminant sources, in high-meat consumption societies, toward less emission intensive healthy diets” (IPCC AR5 WGII chapter 11, 2014)

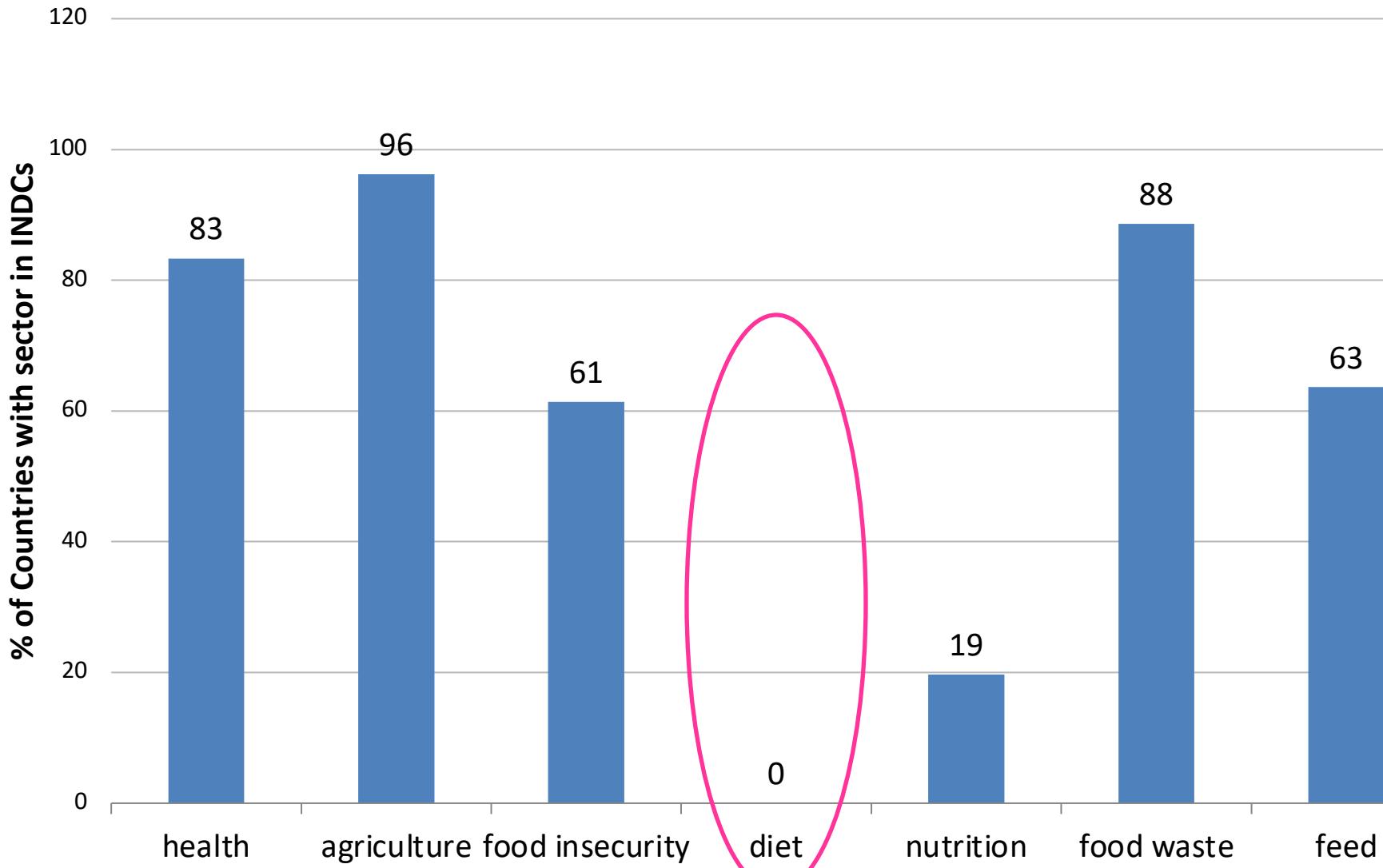
Food & Diet at NDCs



United Nations
Framework Convention
on Climate Change

National Determined Contributions

Tirado, Dillon, Hart, 2019





UNSCN

United Nations System Standing Committee on Nutrition

Sustainable Diets for Healthy People and a Healthy Planet

A transition to more plant-based diets leads to lower GHG emissions and reductions in diet-related NCDs

Food-based
WHO & Int'l dietary guidelines
sustainability criteria key to
change dietary patterns
towards sustainable diets

Nutrition & Food procurement
in national processes under
UNFCCC such as NAPs, and NDCs

Prevention of malnutrition and diet-related NDCs across the life cycle requires

➤ RADICAL Food system transformation - affordable sustainable & healthy diets for all



Sustainable City Plan

City of Santa Monica

Indicators	Targets for 2020
Urban Runoff Reduction <ul style="list-style-type: none">• Effective impervious area• Total acreage treated• Gallons polluted runoff treated	Urban Runoff Reduction <ul style="list-style-type: none">• Annual reduction• Annual increase• Annual increase
Fresh, Local, Organic Produce <ul style="list-style-type: none">• Percent of fresh, local, organic produce served at city facilities• Percent fresh, local, organic produce served at community institutions: (SMMUSD, SMC, Hospitals)• Sustainable food commitment	Fresh, Local, Organic Produce <ul style="list-style-type: none">• 15% of total• 15% of total• 100% of City food purchases comply with Santa Monica Sustainable Food Commitment
Farmers Markets <ul style="list-style-type: none">• Total sales• Percent organic• Percent low chemical• Percent conventional	Farmers Markets <ul style="list-style-type: none">• Annual increase• Annual increase• Annual increase• No target
Food Choices <ul style="list-style-type: none">• Residential reduction in meat and dairy consumption	Food Choices <ul style="list-style-type: none">• 15% reduction
Community Gardens <ul style="list-style-type: none">• Number of people participating• Average wait time for plot• Number of gardens connected	Community Gardens <ul style="list-style-type: none">• Tracking number of people• Annual decrease• Annual increase

Joined-up Urban Climate Governance Best Practices in Mediterranean Climate Cities



Sciences Po international university
Australian National University School of Regulation and Global
Governance

Case studies in LA - Barcelona -Cape Town

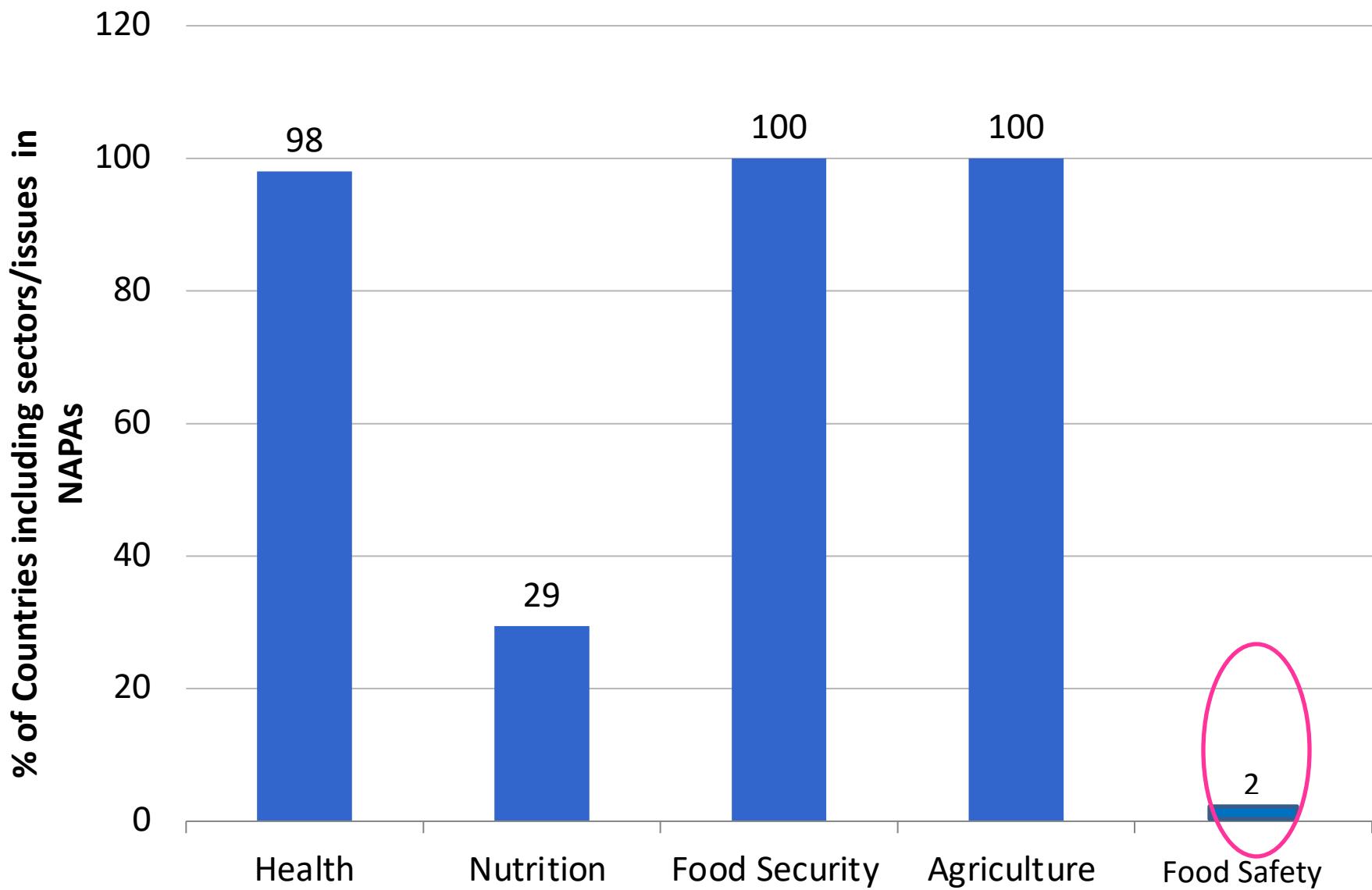
How CLEFSA has been useful to
your activities?

National Adaptation Programme of Action (NAP)



United Nations
Framework Convention
on Climate Change

Tirado, Dillon, Hart, 2019



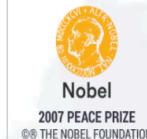


The Intergovernmental Panel on Climate Change

The Intergovernmental Panel on Climate Change (IPCC) is the United Nations body for assessing the science related to climate change.

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[SIXTH ASSESSMENT REPORT](#)



IPCC

(Intergovernmental Panel on Climate Change)



Working Group I
The Physical Science Basis
TSU

Working Group II
Climate Change Impacts, Adaptation and Vulnerability
TSU

Working Group III
Mitigation of Climate Change
TSU

Task Force on National Greenhouse Gas Inventories
TSU

Authors, Contributors, Reviewers

Potential Synergies with other initiatives

Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services



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A close-up, low-angle photograph of a zebra lionfish (Pterois volitans) against a dark, textured background. The lionfish's characteristic black and white stripes are clearly visible on its body and fins. The image serves as the main visual for the banner.

First external review of the IPBES assessment of invasive alien species now live!



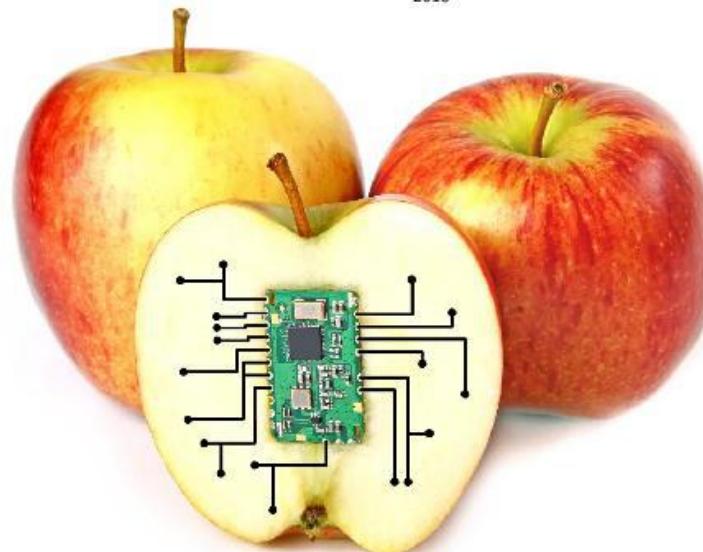


JRC SCIENCE FOR POLICY REPORT

Delivering on EU Food Safety and Nutrition in 2050 – Future challenges and policy preparedness

Kalliopi Mylona, Petros Maragkoudakis, Anne-Katrin Bock,
Jan Wollgast, Sandra Caldeira, Franz Ulberth

2016



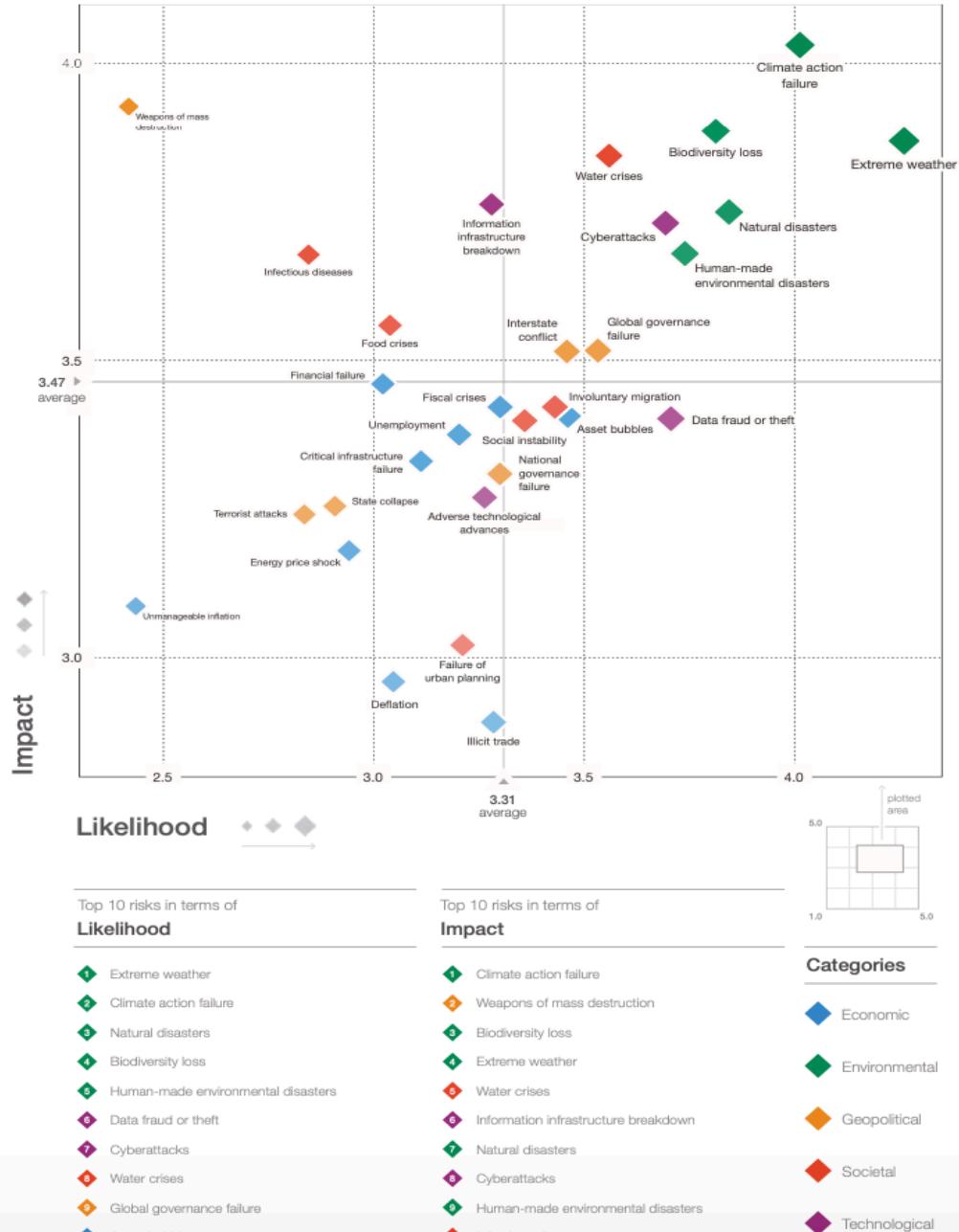
The Global Risks Report 2020

WORLD
ECONOMIC
FORUM

Insight Report | 15th Edition

In partnership with Marsh & McLennan and Zurich Insurance Group

Figure II: The Global Risks Landscape 2020



Opportunities to inform climate and food adaptation



**UN CLIMATE
CHANGE
CONFERENCE
UK 2021**

IN PARTNERSHIP WITH ITALY



UN Food Systems Summit 2021



@FoodSystems

Thank you!