Contents

PART 1 - INTRODUCTION.................................................................................................................................................. 2
  1.1 BACKGROUND AND RATIONALE ................................................................................................................................. 2
  1.2 KEY CONCEPTS .................................................................................................................................................................. 76

PART 2 – OBJECTIVES AND GUIDING PRINCIPLES .................................................................................................................. 87
  2.1 OBJECTIVES AND PURPOSE ............................................................................................................................................... 87
  2.2 NATURE OF THE VOLUNTARY GUIDELINES AND THEIR INTENDED USERS ................................................................. 98
  2.3 GUIDING PRINCIPLES FOR TRANSFORMING FOOD SYSTEMS OR PROMOTING SUSTAINABLE FOOD SYSTEMS ................. 109

PART 3 - THE VOLUNTARY GUIDELINES ON FOOD SYSTEMS FOR NUTRITION................................................................. 1140
  3.1 TRANSPARENT, DEMOCRATIC AND ACCOUNTABLE GOVERNANCE OF FOOD SYSTEMS...................................................... 1342
    3.1.1 Promoting policy coherence by integrating nutrition into national development ......................................................... 1342
    3.1.2 Strengthening multisectoral coordination and actions ................................................................................................ 1342
    3.1.3 Creating accountability mechanisms, monitoring and evaluation .............................................................................. 1444
  3.2 SUSTAINABLE FOOD SUPPLIES FOR IMPROVED DIETS AND NUTRITION IN THE CONTEXT OF CLIMATE CHANGE ............... 1544
    3.2.1 Prioritizing climate adaptation and mitigation across food supplies ............................................................................. 1544
    3.2.2 Ensuring sustainable use and management of natural resources in food production ...................................................... 1645
    3.2.3 Promoting nutrition within agriculture and food production ........................................................................................ 1745
    3.2.4 Improving food storage, processing, transformation and reformulation ....................................................................... 1846
    3.2.5 Improving nutrition and health of farm and food system workers ............................................................................... 1947
    3.2.6 Empowering youth across food systems ...................................................................................................................... 2047
  3.3 EQUITABLE ACCESS TO HEALTHY DIETS DELIVERED BY SUSTAINABLE FOOD SYSTEMS .................................................. 2047
    3.3.1 Improving access to food that contributes to healthy diets ............................................................................................. 2148
    3.3.2 Improving the availability and affordability of food that contributes to healthy diets ..................................................... 2148
    3.3.3 Monitoring new technologies and promoting trends for healthy diets ....................................................................... 2249
  3.4 FOOD SAFETY ACROSS SUSTAINABLE FOOD SYSTEMS .................................................................................................. 2249
    3.4.1 Adopting national and international cooperation on food safety ..................................................................................... 2249
    3.4.2 Ensuring food safety across food production systems .................................................................................................. 2340
    3.4.3 Protecting consumers from food safety risks in food supplies ........................................................................................ 2340
  3.5 SOCIAL RELATIONS, KNOWLEDGE AND CULTURE OF DIETS .......................................................................................... 2449
    3.5.1 Utilizing policies and tools to provide education and information on healthy diets .......................................................... 2449
    3.5.2 Encouraging local food knowledge and culture ............................................................................................................. 2642

Commented [A1]: The guidelines are primarily addressed to governmental actors as mentioned in the text (even though 9 actors are listed in para 30). I wonder why is this the case. What is the role of other stakeholders? I wonder why the role of all stakeholders in promoting nutrition is underplayed. Is this a CFS decision? Do we foresee to develop recommendations that will be more explicit for the private sector, the civil society and the others in the future? The impression that someone gets is that other stakeholders need only to monitor if governments are implementing the recommendations without themselves being accountable for much. The paradox is that many recommendations influence other stakeholders to change their practices etc. which is a clear disincentive to monitor (a classic moral hazard).

Just some numbers: 91 recommendations are counted. Most of them start by “Governments should do...”. Actually 3 start with private sector, 2 with research institutions, 2 with UN and 2 are undefined (i.e. recognize the role of women by everyone for example). The numbers are not very accurate since in some cases but very few, after government some other actors follow.

The 2020 edition of *The State of Food Security and Nutrition in the World (SOFI)* may add value in view of this year’s theme given the analysis taking place. SOFI 2020 will focus on the affordability of healthy diets, as this issue is of paramount importance in our efforts towards meeting the SDG 2 targets to end hunger and food insecurity (SDG Target 2.1) and all forms of malnutrition (SDG Target 2.2) by 2030. This theme is even more relevant today, given the necessity to ensure access to health food to all during the COVID-19 pandemic.

Meeting these targets will only be possible if we not only ensure that people have enough food to eat, but also that what they are eating is nutritious. What people eat must comprise not only sufficient calories, but also adequate levels of nutrients to meet dietary recommendations, with a diverse mix of foods from all food groups. The food system needs important transformations to ensure that healthy diets are affordable to a growing world population.

SOFI 2020 will present new evidence showing that healthy diets are unaffordable to many people in every region of the world, especially the poor and those who face challenging economic conditions. It will further show that the higher cost and unaffordability of healthy diets is strongly associated with increased food insecurity and different forms of malnutrition, including stunting and obesity. Furthermore, it unveils that, beyond cost and affordability of healthy diets, there are hidden costs and externalities that are currently not reflected in the costs of current...
PART 1 - INTRODUCTION

1.1 BACKGROUND AND RATIONALE

1. Malnutrition in all its forms – undernutrition, micronutrient deficiencies, overweight, and obesity – is one of the major challenges that countries face and is a potential result of food insecurity, along with many other factors and causes. Malnutrition, in at least one of its forms, affects every country in the world and most countries are affected by multiple forms, often characterized by the coexistence of undernutrition along with overweight and obesity. The impacts of malnutrition have profound consequences on people’s health and wellbeing, physical and cognitive development, and livelihoods throughout their lifetime and across generations. Malnutrition is a major impediment to the progressive realization of the right to adequate food in the context of national food security, a cornerstone in the combat against malnutrition in all its forms, and in the implementation context of national food security. Food security and nutrition are closely linked under Goal 2 of the 2030 Agenda for Sustainable Development “End hunger, achieve food security and improved nutrition and promote sustainable agriculture”.

2. Malnutrition in all its forms is associated with various forms of ill health and increased mortality. Undernutrition is a major cause of death among children under the age of five years, increases the susceptibility to infectious diseases and risk of non-communicable diseases (NCDs) in adulthood. Wasting, also known as acute malnutrition (moderate or severe), poses a significant risk of increased

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Commented [A2]: Malnutrition is not always the result of food insecurity (lack of access to food).

Commented [A3]: It is important to show that both forms of malnutrition (undernutrition, as well as overweight and obesity) exist at the same time.

Commented [A4]: I suggest rephrasing this sentence, because the way it is written seems like if the direction of the association is from malnutrition to the nonfulfillment to right to food, whereas it’s the other way around.

Commented [A5R4]: I furthermore edited the text to reflect this comment. I also excluded “in the context of national food security” because the link between the Right to Food and national food security did not make sense to me. The Right to Food refers to people’s food security, not the country’s food security. The USA, for example, is a food security country where many people’s right to food is violated.

1 “Food security exists when all people, at all times, have physical, economic and social access to sufficient, safe and nutritious food to meet their dietary needs and food preferences for an active and healthy life”. FAO, 1996. Rome Declaration on World Food Security and World Food Summit Plan of Action.
morbidly and mortality in children. Stunting, also known as chronic malnutrition, is associated with delays in both physical growth, devastating health outcomes, and cognitive development.

3. **Micronutrient deficiencies** related to the inadequate intake of foods rich in iron, vitamin A, iodine, folate, vitamin D, and zinc, among others, affect a large proportion of the global population with serious consequences on health, well-being, and development. Children under the age of five years, adolescent girls, women of childbearing age, and pregnant and lactating women have specific nutritional requirements across their lifecycle and are susceptible to a higher risk of anemia, in particular iron deficiency anemia, which is one of the most prevalent micronutrient deficiencies in the world. Also referred to as “hidden hunger,” micronutrient deficiencies increase a person’s vulnerability to infection, birth defects, impaired development, and lower life expectancy.

4. **Overweight and obesity** represent major risk factors globally for diet-related NCDs such as some forms of cancer, cardiovascular disease, and diabetes. While undernutrition and micronutrient deficiencies are still the main forms of malnutrition among children under the age of five years globally, overweight and obesity are increasingly prevalent among young and school-aged children, adolescents and adults.

5. The heavy health, social and economic impacts of malnutrition in all its forms are transmitted across generations. Undernourished mothers are more likely to have low-birth-weight babies putting them at an increased risk of becoming undernourished as children, into adulthood as well, which in turn puts them at higher risk of being overweight and obese as adults. Maternal obesity poses short- and long-term risks for maternal and child health including poor cognition and increased risk of neurodevelopment disorders early in life, as well as an increased susceptibility to overweight in school-age children and obesity and NCDs in adult life. Malnutrition in children results in reduced stature, diminished physical and mental health, poor school performance, reduced economic productivity and opportunities, and increased vulnerability to NCDs and other chronic diseases. These diseases lead to early death and increased morbidity and disability and require higher spending on health care, placing significant burdens on national health care systems and economies.

6. Malnutrition in all its forms has many interrelated and underlying causes that need to be addressed simultaneously. Among them, the lack of stable access to safe, sufficient and nutritious foods and healthy diets, inadequate infant and young child-caring and feeding practices, poor sanitation, hygiene and safe drinking water, insufficient access to quality education and health services, low socioeconomic status, and marginalization. Basic causes of poor nutrition encompass the economic and societal structures and processes that slow down the realization of human rights, and perpetuate poverty/inequalities, and fail to make healthy diets readily accessible, limiting or denying the access of vulnerable populations all to essential resources for achieving optimal nutrition and health.

7. **Poverty and inequality** are important underlying causes of hunger and malnutrition in all its forms. Low employment rates, wages, incomes, and purchasing power have negative consequences on nutrition and health outcomes. Negative economic trends limit the capacity of national governments to deliver essential social services and health care to their citizens. In this context, inequality in income and
asset distribution as well as in access to nutrition-relevant services contributes to marginalization and social exclusion, and further increases vulnerability to malnutrition.

8. Those most affected by malnutrition in all its forms typically include people with increased nutrient requirements and those who have less control over their dietary choices. This, including young and school-aged children, adolescents, pregnant and lactating women, the elderly, and people with disabilities. In addition, Indigenous Peoples, peasants, urban and rural poor, agriculture workers, upland and remote communities, migrants, refugees and displaced people are particularly vulnerable to malnutrition because of their persistent or temporary poverty.

9. Complex and protracted crises also have short, medium and long-term adverse consequences on the nutritional status of impacted populations, particularly pregnant and lactating women and children under five. Conflicts, fragility, and susceptibility to climate-related disasters pose a major threat to the ability of food systems to deliver healthy diets and to the implementation of the 2030 Agenda for Sustainable Development as a whole.

9-10. No healthy balanced and sustainable diets because of dependence on few crops as of 2014, fewer than 200 species had significant production levels globally, with only 8 crop species (barley, beans, groundnut, maize, potatoes, rice, sorghum and wheat) providing 53 percent of average daily calories consumed, and 5 animal species (cattle, sheep, goats, pigs and chickens) providing 31 percent of average daily protein consumed, and 3 crop species (wheat, rice and maize) representing 48 percent of average daily calories consumed.\(^4\)

10. Climate change, agriculture, and nutrition are interconnected. Climate change affects temperature and precipitation, as well as the frequency and severity of extreme weather events. Increases in temperature, heat waves, and droughts impact agriculture, with the largest effects being decreased crop yields and livestock productivity as well as declines in aquaculture, fisheries and agroforestry in areas already vulnerable to food insecurity. Climate change also impacts all the dimensions of food security, as well as food quantity, quality, safety and ultimately food prices, with significant implications for the availability of healthy diets. At the same time, agriculture and food production for a growing global population are major contributors to greenhouse gas emissions and account for large portions of the planet’s soil, land and fresh-water use and environmental degradation.

11. Unhealthy diets have become a major risk factor of multiple forms of malnutrition and health outcomes globally. Global dietary patterns have been changing, affecting people across all parts of the

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\(^1\) Protracted crisis situations are “characterized by recurrent natural disasters and/or conflict, longevity of food crises, breakdown of livelihoods and insufficient institutional capacity to react to crises”. \(2010\) State of Food Insecurity in the World Report. FAO. 2010


\(^4\) Agriculture includes crops, forestry, fisheries, livestock and aquaculture. UNGA Resolution A/RES/74/242. Paragraph 20
world. In many regions of the world, dietary changes are shifting towards the consumption of convenient processed or highly processed foods and beverages with high content in sugar and/or in saturated fat, salt which are associated with an increased prevalence of overweight, obesity and NCDs. Profound dietary changes are occurring for several reasons, including the movement of people to urban places, the influence of globalization and trade within the food system, the continued loss of access to traditional diets, and changing lifestyles.

12.13. Food systems are complex webs of activities and actors involving the production, processing, handling, preparation, storage, distribution, access, purchase, consumption and ultimately, even waste of food. They are constantly being shaped by different forces, drivers and decisions by many different individuals, stakeholders and actors. Every food system has the capacity to be equitable and to produce healthy diets needed for food security and optimal nutrition. But, they can also be shaped by power concentration and imbalances, which may not be inclusive and equitable. Some food systems are sustainable while others show their limits in terms of sustainability and inefficiency in natural resource utilization, and in the use of labour and energy, leading to environmental and natural resources degradation, soil degradation, water scarcity, water and soil pollution, and loss of biodiversity as well as to excessive food consumption and food waste patterns.

12.14. The functionality of food systems and their ability to deliver healthy diets is influenced by a number of drivers which indicate that, in order to improve nutrition, context specific changes are needed not only in agriculture and food policies, but also across multiple sectors and policy areas that address, for example, national development priorities, economic policies, natural resource management, and social norms.

14.15. Transforming food systems and promoting sustainable food systems that meet the dietary needs of populations require institutional and behavioural changes among all food system actors. Food system-related policies need to focus on their economic, social, environmental, cultural, nutritional, and health consequences, paying special attention to the poorest and most vulnerable to malnutrition and addressing barriers they face in producing and accessing safe, diverse and nutritious foods that contribute to food healthy diets.

15.16. Changes in governance are needed within and across food systems, and its constituent elements, namely food supply chains, food environments, and consumer behaviour and governance.

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Commented [A23]: Along with all food system elements, aggressive promotion and advertising of unhealthy diets are modelling current food patterns. As well as the lack of information on highly processed products and sugar drinks to be used by consumers to make informed purchases.

Commented [A24]: Another reference suggested to be included http://www.fao.org/3/ca2079en/CA2079EN.pdf

Commented [A25]: According to FAO, the four pillars of food security are availability, access, utilization, and stability – there should be a link between the food systems and FSN (food security and Nutrition)

Commented [A26]: “Ultimately waste” sounds like it is the inevitable final step.

Commented [A27]: I edited to lesson the emphasis on decisions by individuals, as decision-making is more diffuse, often somehow collective or serving the collective or corporate interests.

Commented [A28]: And while preserving natural resources, to cover the three dimensions of sustainability

Commented [A29]: But also, importantly, based on its internal structure (elements and linkages).

Commented [A30]: This should also include the sustainable governance of the natural resources, including land and water and land tenure (VGGT)

Commented [A31]: A4: This is a logistics term. Food value chains incorporate the notions of governance, value added, behavioral change by all actors (not just consumers), the enabling environment, etc. for a definition see http://www.fao.org/3/a-i3953e.pdf

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9 “Food systems gather all the elements (environment, people, inputs, processes, infrastructures, institutions, etc.) and activities that relate to the production, processing, distribution, preparation and consumption of food, and the output of these activities, including socio-economic and environmental outcomes”. HLPE. 2014. Food Losses and Waste in the context of Sustainable Food Systems. A report by the High-Level Panel of Experts on Food Security and Nutrition of the Committee on World Food Security, Rome.


8 “Sustainable food systems are food systems that ensure food security and nutrition for all in such a way that the economic, social and environmental bases to generate food security and nutrition of future generations are not compromised”. HLPE 2014a

9 Food supply chains “consist of the activities and actors that take food from production to consumption and to the disposal of its waste, including production, storage, distribution, processing, packaging, retailing and marketing.” HLPE 2017b
of land and natural resources to generate positive outcomes along the three dimensions of sustainability – social, economic, and environmental.

Coordination processes are required to address policy fragmentation across sectors such as health, agriculture, education, environment, water, sanitation, gender, social protection, trade, employment, and finance – all of which impact nutrition outcomes.

The Committee on World Food Security (CFS) has undertaken a policy process to produce Voluntary Guidelines on Food Systems for Nutrition (VGFSyN). The preparation of the VGFSyN is informed by the findings and scientific evidence provided in the High Level Panel of Experts on Food Security and Nutrition’s (HLPE) Report on Nutrition and Food Systems, additional literature as well as a consultation process that took place between May and November 2019 which involved the participation of CFS stakeholders in meetings in Italy, Ethiopia, Thailand, Hungary, Egypt, Panama, and the United States of America, as well as through an electronic consultation.

This policy process is taking place at the same time as a variety of organizations from different sectors are addressing malnutrition. Food systems and nutrition have received increased attention from the global community, including the United Nations (UN) and its Member States, and are recognized as essential co-determinants for achieving the goals of the 2030 Agenda for Sustainable Development. In 2014, at the Second International Conference on Nutrition (ICN2), members of the Food and Agriculture Organization (FAO) and the World Health Organization (WHO) committed to ending hunger and malnutrition in all its forms. In 2016, the General Assembly of the UN (UNGA) proclaimed the UN Decade of Action on Nutrition (2016-2025) and called upon FAO and WHO to lead its implementation, in collaboration with the World Food Programme (WFP), the International Fund for Agricultural Development (IFAD), and the United Nations Children’s Fund (UNICEF), using multistakeholder platforms such as the CFS. In 2017, the UNGA proclaimed the United Nations Decade of Family Farming (2019-2028). Specific attention to nutrition has been given by a number of UNGA

Resolutions\(^{27}\), the UN Economic and Social Council (ECOSOC)\(^{28}\), the UN Environment Assembly\(^{19}\), the World Health Assembly (WHA)\(^{20}\) and the UN Special Rapporteur on the Right to Food\(^{21}\).

19. 20. The VGFSyN are expected to contribute to and complement these international initiatives with a view to promoting policy coherence. They provide evidence-based guidance to help countries operationalize ICN2’s Framework for Action\(^{22}\) recommendations in support of the progressive realization of the right to adequate food in the context of national food security and of the right to health, and of the achievement of Sustainable Development Goal (SDG) 2\(^{23}\), with particular attention to targets 2.1\(^{24}\), 2.2\(^{25}\) and 2.4\(^{26}\). In addition, the VGFSyN should play an essential role in assisting countries to achieve other related SDGs (SDG 1, 3, 4, 5, 6, 8, 10, 12).

1. 2. KEY CONCEPTS

20. 21. Healthy diets are those diets that are of adequate quantity and quality to achieve optimal growth and development of all individuals and support functioning and physical, mental and social wellbeing at all life stages. They help to protect against malnutrition in all its forms, including undernutrition, micronutrient deficiency, overweight and obesity, as well as against noncommunicable diseases (NCDs), such as diabetes, heart disease, stroke and cancer. The exact make-up of healthy diets varies depending on individual characteristics (e.g. age, gender, lifestyle and degree of physical activity), cultural context, local availability of foods and dietary customs. They are diversified, balanced, and safe and should limit the intake of saturated and trans fats, added sugars, and sodium. Healthy dietary practices start early in life – breastfeeding fosters healthy growth and improves cognitive development and may have long-term health benefits\(^{27}\). Safe and clean drinking water is an important component of a healthy diet.

21. 22. Sustainable balanced and sustainable healthy diets are healthy diets that combine all the dimensions of sustainability (i.e. economic, social, and environmental) to avoid unintended consequences and undermine healthy diets of future generations. They hinge on biodiversity for food and agriculture, contribute to its conservation and sustainable use, and have a low environmental impact.

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\(^{27}\) UNGA Resolutions A/RES/73/2, A/RES/73/132, and A/RES/73/253.

\(^{28}\) Ministerial Declaration of the 2018 High-Level Political Forum on Sustainable Development

\(^{19}\) Ministerial Declaration of the 2019 United Nations Environment Assembly

\(^{20}\) The World Health Assembly has endorsed the Comprehensive implementation plan for maternal, infant and young child nutrition, and the WHO Global action plan for the prevention and control of noncommunicable diseases 2013-2020, which delineate policy options for the prevention of malnutrition in all its forms and the promotion of healthy diets.

\(^{21}\) A/71/382 “Innovim report of the Special Rapporteur on the right to food”


\(^{23}\) SDG 2, “End hunger, achieve food security and improved nutrition and promote sustainable agriculture”.

\(^{24}\) Target 2.1, “By 2030 end hunger and ensure access by all people, in particular the poor and people in vulnerable situations including infants, to safe, nutritious and sufficient food all year round”.

\(^{25}\) Target 2.2, “By 2030, end all forms of malnutrition, including achieving, by 2025, the internationally agreed targets on stunting and wasting in children under 5 years of age, and address the nutritional needs of adolescent girls, pregnant and lactating women and older persons”.

\(^{26}\) Target 2.4, “By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation for climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality”.

\(^{27}\) Adapted from WHO healthy diet: [www.who.int/news-room/fact-sheets/detail/healthy-diet](http://www.who.int/news-room/fact-sheets/detail/healthy-diet)
PART 2 – OBJECTIVES AND GUIDING PRINCIPLES

2.1 OBJECTIVES AND PURPOSE

24.25 The **objective of the VGFSyN** is to contribute to transforming food systems and promoting sustainable food systems to ensure that the foods and beverages that contribute to **healthy balanced and sustainable healthy diets** is available, affordable, accessible, safe, and of adequate quantity and quality while conforming "with beliefs, culture and traditions, dietary habits, and preferences of individuals, in accordance with national and international laws and obligations".

24.26 The VGFSyN follow a **comprehensive, systemic, and science- and evidence-based approach** to addressing policy fragmentation with a special emphasis on the food, agriculture, and health sectors, while also addressing social, environmental and economic sustainability issues. The VGFSyN provide guidance on effective policies, investments and institutional arrangements. The VGFSyN are expected to address the diversity and complexity of food systems with the intention of promoting policy coherence, considering benefits and trade-offs, and fostering and guiding dialogue among different institutions and sectors.

24.27 The VGFSyN are intended to be global in scope and to provide **guidance to policy-makers and relevant stakeholders** when designing context-specific policies, laws, regulatory frameworks, strategies, plans and programmes. They take into consideration different national realities, capacities, and levels of development, as well as different types of food systems and the many drivers impacting them.

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28 Adapted from FAO and WHO, 2019, Sustainable healthy diets – Guiding principles. Rome

29 The definition of the right to adequate food is given by the Committee on Economic Social and Cultural Rights (CESCR) which, through the general comment 12, is interpreting Article 11 of the International Covenant on Economic, Social and Cultural Rights (ICESCR).

30 UNGA Resolution A/RES/74/242, Paragraph 40.

27.28. These VGFSyN take evidence from a range of rigorous studies, best practices, and world experience - at municipal, at sub-national, and at national levels - and apply the evidence through a broad lens. Much of the evidence in the VGFSyN comes from the HLPE 2017 report, various UN technical documents, and peer-reviewed scientific literature.

2.2 NATURE OF THE VOLUNTARY GUIDELINES AND THEIR INTENDED USERS

28.29. The VGFSyN are non-binding and should be interpreted and applied consistently with existing obligations under relevant national and international law, including the Universal Declaration of Human Rights (1948) and other agreed international human rights instruments, and with due regard to voluntary commitments under applicable international and regional instruments. CFS guidance should build upon and integrate existing instruments and frameworks for action adopted in the context of the UN system, guidance, and recommendations endorsed by Member States.

29.30. The VGFSyN are intended to avoid duplication of the work and mandate of other international bodies, and build upon and complement related guidance contained in other CFS products with specific attention paid to:

- Voluntary Guidelines to support the progressive realization of the right to adequate food in the context of the national food security (2004),
- CFS Voluntary Guidelines on the responsible governance of tenure of land, fisheries and forests in the context of national food security – VGGT (2012),
- CFS Principles for responsible investment in agriculture and food systems – RAI (2014),
- CFS Policy Recommendations on Food losses and waste in the context of sustainable food systems (2014),
- CFS Framework for Action for food security and nutrition in protracted crises – FFA (2015),
- CFS Policy Recommendations on Water for food security and nutrition (2015),
- CFS Policy Recommendations on Connecting smallholders to markets (2016), and

30.31. The VGFSyN are primarily targeted at governmental actors to help them develop holistic and inclusive public policies. They are also to be used in policy discussions and implementation processes by relevant stakeholders such as:

32. Because situations can vary widely, the generalizability of evidence to other situations is absolutely crucial, but not always available, for food system actions that address diets and nutrition. Additional research designs are needed to contribute to the evidence-base of policymaking. The VGFSyN bring together evidence from different methodologies: some of which is experiential that holds promise for real-world relevance, some comes from the evaluation of programmes and policies that provide guidance on implementation in specific settings and contexts.

2.3 GUIDING PRINCIPLES FOR TRANSFORMING FOOD SYSTEMS OR PROMOTING SUSTAINABLE FOOD SYSTEMS

The VGFSyN include five guiding principles that emerged from the consultation process as foundational when considering the different actions that should be followed to contribute to transforming food systems and promoting sustainable food systems that enable healthy diets.

22.33. These principles draw on the need to ensure participation, accountability, non-discrimination, transparency, human dignity, empowerment and equality, and the rule of law in order to contribute to the progressive realization of the right to adequate food in the context of national food security.

a) Systemic, multisectoral, science- and evidence-based approach. Promote a systemic, multisectoral, and science and evidence-based approach that considers food systems in their totality, integrates indigenous and traditional forms of knowledge, seeks to simultaneously maximize outcomes across all sustainability dimensions, and looks at the multidimensional causes of malnutrition in all its forms.

b) Coherent and context-specific policies. Contribute to the formulation and implementation of coherent and context-specific policies and related investment through coordinated actions.

PROMOTING SUSTAINABLE FOOD SYSTEMS

The private sector is made up of many different types of companies with a wide range of sizes, scales, human and financial resources, as well as varying reach into local, domestic and international markets.

These guiding principles are consistent with already agreed international documents and tools, such as the Rome Declaration on Nutrition and the Framework for Action of ICN2.

The Global Hub on Indigenous food systems, which will be officially launched at the 27th Session of the Committee on Agriculture, will be an important contributor to provide scientific and evidence-based inputs to approaches aiming at transforming food systems and promoting sustainable food systems, in particular when targeting the food systems of indigenous peoples and pastoralists.

Commented [A48]: To separate indigenous peoples from civil society.
Rationale: Indigenous peoples have their own governance systems and their own organizations. It is important to not invisibilize them while mixing them with civil society.
Some indigenous societies are called nations; others are kingdoms, bands, pueblos, or tribes. Indigenous peoples have mobilized to represent themselves before the international community to participate in international decision-making processes and raise awareness on their particular issues. The civil society agenda is not related to indigenous peoples challenges and contributions to SDGs.

Commented [A49]: These actors are likely to use it only if the relevant government policies are in place.

Commented [A50]: Rationale for inclusion of this footnote:
The Global Hub on Indigenous food systems is the main output of the High-Level Expert Seminar on Indigenous Food Systems, which took place at FAO HQ in November 2018. The Expert Seminar gathered 200 participants, out of which 23 country delegates, 70 speakers, 22 indigenous communities and 20 research centres. The Global Hub will be officially launched at the 27th Session of the Committee on Agriculture, and will aim to provide technical inputs to ongoing policy discussions and processes, such as the VGFSyN, UN Decade of Action on Nutrition, UN Decade on family farming, etc.)
among different actors and across all relevant sectors at international, regional, national, subnational, and local levels.

c) **Accountability, inclusiveness, transparency, and participation and resilience.** Support efforts in strengthening governance and accountability mechanisms that contribute to fostering citizen participation in national debates on food security and nutrition and on food systems, and transparent and inclusive decision-making processes, based on transparent rules of engagement including safeguards against potential conflicts of interest. **Promote and build upon practices that encourage inclusiveness in food systems, ensuring no one is left behind in terms of economic development and food security and good nutrition. Finally, efforts should be made to improve resilient food systems that protect and reinforce ecosystem services.**

d) **Healthy people, healthy planet.** Promote policies and actions that enhance the livelihoods, health, and well-being of the population, as well as sustainable food production and sustainable consumption to protect natural resources, ecosystems and biodiversity, and ensure mitigation of and adaptation to climate change. **-and gender-sensitive services (extension services, nutrition services).**

e) **Gender equality and women’s empowerment.** Promote gender equality and women’s and girls’ empowerment, and respect, protect and fulfill their rights, creating the conditions for women’s involvement in decision-making and strong engagement in shaping food systems that improve nutrition, recognizing their key role in care, education, agriculture, health promotion and food preparation, processing and consumption, while promoting gender-equitable practices.

**PART 3 - THE VOLUNTARY GUIDELINES ON FOOD SYSTEMS FOR NUTRITION**

**33.34.** With the aim of ensuring the progressive realization of the right to adequate food in the context of national food security, the VGFSyN provide a framework to promote policy coherence and to bring various stakeholders who are involved in food systems to work together to ensure healthy diets for everyone.

**34-35.** To achieve the WHA and 2030 Agenda targets and national commitments to end malnutrition in all its forms, a **food system approach is needed** that recognizes that the various parts that make up food systems are interconnected; that any action or decision to address one aspect of a food system will likely impact other aspects, and that food systems respond and are impacted by other systems, situations, and contexts. **Thinking systematically and interdisciplinary, policy systems thinking toward food system transformation can ensure that challenges are tackled from multiple perspectives.** Thus, the VGFSyN provide guidance on a mix of regulatory, fiscal, and other policy actions spanning the diversity of food supply chains, food environment and consumer behavior, as well as the drivers and people that shape those actions.

**Commented [A51]:** I believe it could be beneficial to include the importance of a territorial approach/landscape oriented approach. Implementing a territorial approach (integrated w/landscape management) allows for a better identification of the social and ecological factors, opportunities, and gaps that present themselves in a given spatial setting.

**Commented [A52]:** http://www.fao.org/3/a-i6627e.pdf

**Commented [A53]:** I would go as far as to say that Food Systems for Nutrition must be resilient, and that perhaps resilience should be its own point.

See also ICN2 recommended action 12: “Recommendation 12: Establish and strengthens institutions, policies, programmes and services to enhance the resilience of the food supply in crisis-prone areas, including areas affected by climate change.”

**Commented [A54]:** and fisheries – women make up 50% of the workforce in fisheries, although they are often underrecognized

**Commented [A55]:** Justification- Women are the main actors in processing SMEs both as managers and as workers worldwide.

**Commented [A56]:** I believe thinking systematically is different from systems thinking, and systems thinking already implies interdisciplinary.

**Commented [A57]:** Ok, good. So what are the elements that need to be worked through systematically to make sure we have taken a food systems approach? Where is the analytical framework? Add a reference.

**Commented [A58]:** Food value chains
35.36. These guidelines are structured around seven focus areas: i) transparent, democratic and accountable governance of food systems; ii) sustainable food supplies for improved diets and nutrition in the context of climate change; iii) equitable access to healthy diets delivered by sustainable food systems; iv) food safety across sustainable food systems; v) social relations, knowledge and culture of diets; vi) gender equality and women’s empowerment across food systems; and vii) resilient food systems in humanitarian contexts.

36.37. The HLPE report was structured around three main constituent elements of food systems\textsuperscript{36} and proposed a wide number of policy areas and drivers of change (See Figure 1). During the consultation process, CFS stakeholders identified a number of cross-cutting factors that are relevant for improving diets and nutrition and hence the origin of these seven focus areas. The first area, the governance of food systems, establishes the foundation of the remaining policy recommendations of the VGFSyN. Governance, as a major driver in shaping food systems, is interwoven across the six other areas. Three areas cover the main components of food systems while an additional area is based on the recognition of the increased importance of collective action in addressing food safety. Special attention is focused on women because of the vital role they play in food systems. The humanitarian context serves as a standalone area because it will continue to be a significant global issue in the context of climate change, protracted crises, conflict and migration.

Figure 1: HLPE Food Systems Framework\textsuperscript{37}

\textsuperscript{36} Food supply chains, food environments and consumer behaviours

\textsuperscript{37} HLPE 2017b
3.1 TRANSPARENT, DEMOCRATIC AND ACCOUNTABLE GOVERNANCE OF FOOD SYSTEMS

This section lays out the criticality of governance mechanisms, leadership and accountability across the range of actors, from global to local levels, within food systems. Governments are responsible for developing sound public policies, and regulatory and legislative frameworks that govern food systems, promote awareness, and set priorities for impactful action. Governments also need to manage conflicts of interests, power imbalances, and other safeguards to put public interests before other interests.

3.1.1 Promoting policy coherence by integrating nutrition into national development

a) Functional actors should foster policy coherence across sectors to reduce all forms of malnutrition from a food system perspective. Governmental actors should prioritize sustainable food systems in order to effectively align relevant sectors around a common set of goals.

b) Governmental actors should integrate sustainable food systems actions, policies and incentives that promote sustainable food systems for healthy diets and improved nutrition into national and local development, health, economic, agricultural, climate/environment, and disaster risk reduction plans. This integration should be complemented with increased and improved budgetary allocations to actions and policies across the food system activities with that have clear objectives of improving diets and nutrition and associated with indicators to track and assess the full cost accounting of addressing malnutrition in all its forms.

c) Governmental actors should ensure that international and bilateral trade and investment agreements are consistent with nutrition, food and agriculture national policies, and international food safety standards (e.g. Codex Alimentarius and World Organization for Animal Health standards).

d) Governmental actors and intergovernmental organizations should identify opportunities within food systems to achieve national and global food security and nutrition goals, targets, and indicators set out by the WHA and the 2030 Agenda for Sustainable Development.

3.1.2 Strengthening multisectoral and multistakeholder coordination and actions

a) Governmental actors, intergovernmental organizations and development partners should work to improve diets and nutrition across sectors, ministries, and agencies at all levels through strengthened legal frameworks and institutional capacities that address the multiple causes and impacts of malnutrition, including dietary patterns, as well as environmental, economic, and socio-cultural conditions and objectives. This would entail understanding the types of food systems that exist, the make-up and complexity of their food systems, and the major trigger points for change, disruption, exclusion/inclusion and growth. Governmental actors are encouraged to systemically analyze the potential transition costs, benefits, trade-offs, and impacts of their actions, considering their effects across sectors and actors within their own context of environmental, economic and socio-cultural conditions and objectives.

Commented [A65]: Either "apply a diagnostic lens to" or "undertake a diagnosis of"
3.1.3 Creating accountability mechanisms, monitoring and evaluation

a) Governmental actors should establish or strengthen regulatory and legislative frameworks to govern private and public sector activities related to food systems. They should **institute robust, transparent accountability mechanisms** that promote good governance, public deliberation, and independent bodies that monitor compliance and performance, individual complaint procedures, remedial actions to improve accountability, systematic management of conflicts of interest and vested interests, power imbalances, and capacity to settle disputes that may undermine public health. Governmental actors should ensure that dialogue with the private sector is transparent and follows clear roles and responsibilities for engagement to safeguard the public interest.

b) Governmental actors, in partnership with research organizations and intergovernmental organizations, should improve the availability and quality of **multisectoral information systems and national surveillance systems** that capture, harmonize and disaggregate data and indicators across all aspects of food systems and outcomes related to food security (particularly food production and processing, impacts on climate change), diets (particularly dietary intake and dietary quality, and access to safe and clean drinking water), food composition, and nutritional status (including the measurement of micronutrient deficiencies and anthropometry) for improved policy development and accountability, and better targeting of public programmes.

c) Governmental actors, with the support of intergovernmental organizations, should **promote investment in human, system, and institutional capacity** to analyze food system information in

\[\text{Commented [A70]: Farmer & fisher or "food producer organizations"?}\]

\[\text{Commented [A71]: Points b) and c) could also be done at a landscape/territorial level}\]

\[\text{Commented [A72]: This should also include access to safe water}\]

\[\text{Commented [A73]: I think food security should include information systems on food production and processing and even data on their impacts on climate change to make the whole picture}\]

\[\text{Commented [A74]: Edited to clarify that it refers to the nutritional status of individuals rather than micronutrient content of food}\]

\[\text{Commented [A71]: Points b) and c) could also be done at a landscape/territorial level}\]

\[\text{Commented [A72]: This should also include access to safe water}\]

\[\text{Commented [A74]: Edited to clarify that it refers to the nutritional status of individuals rather than micronutrient content of food}\]

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\[\text{Commented [A74]: Edited to clarify that it refers to the nutritional status of individuals rather than micronutrient content of food}\]
3.2 SUSTAINABLE FOOD PRODUCTION AND SUPPLIES FOR IMPROVED DIETS AND NUTRITION IN THE CONTEXT OF CLIMATE CHANGE and natural resources degradation

Food supply patterns play an important role in health and environmental sustainability. Food supplies - from production, storage, processing and packaging, and markets - operate at assorted scales, structures, and levels, from simple to highly complex and globalized supply chains involving many food system actors. This section complements the goals outlined in the UN Decade of Family Farming and highlights the importance of improving nutrition as food moves through the system, indicates which food system actors should be given special attention, and suggests ways to create resilient food supplies in the midst of climate change and natural resource degradation.

3.2.1 Prioritizing climate adaptation and mitigation across food supply systems

a) Governmental actors (including national extension systems), development partners, NGOs, and private sector actors should assist farmers and other food producers to adapt to, and ensure food supply chains are resilient to, climatic shocks by managing risk and building preparedness and resilience. Assistance can include facilitating access to finance, insurance, forecasting data and methods, promotion of local community saving and insurance schemes and immediate help through service apps (e.g. to identify plant diseases and parasites). Assistance could also include access to services for protecting crops, livestock, and fisheries and overall production systems from the anticipated impacts of climate change in the form of pests, diseases, weather-related shocks, and developing and adopting drought resistant varieties that are also adapted to social and economic conditions, as well as productive-asset creation initiatives (e.g. rehabilitating degraded land and infrastructure development, irrigation).

b) Governmental actors, intergovernmental organizations, NGOs, and private sector actors should support and assist farmers and other food producers to reduce the negative environmental impacts of food systems. This could be done by fostering the adoption of appropriate technology and on-farm management practices to improve crop yields, and reduce crop vulnerability, agrochemicals and antimicrobial pesticide usage, and prevent inappropriate use and overuse of fertilizers. Governmental actors should promote optimization of agricultural outputs per unit of water, energy, soil, and land, and reduce greenhouse gas emissions, biodiversity loss, and natural resource degradation of agriculture activities. This should be planned by applying land resources planning approaches within a landscape and involving all stakeholders.

c) Governmental actors should institute surveillance systems (including early warning systems), quality indices (e.g. integrated diversification and agro-biodiversity targets) and other food system and dietary metrics to monitor changing conditions and the effectiveness of policy responses.

d) Research organizations, academic institutions, and universities should promote the generation and use of rigorous science and evidence that demonstrate robust mitigation and resilience strategies to climate change for sustainable food systems and sustainable healthy diets.

Commented [A75]: This seems more inclusive – maybe this is what the above mentions of “farmers” or “farmer association” should be in 3.1.2.b?

Commented [A76]: Include also facilitation access in the cases where the private sector is the provider

Commented [A77]: For example Fondos Mutuos de Contingencia in Central America

Commented [A78]: Assistance could also include access to services for protecting crops, etc. when private sector is the provider

Commented [A79]: Farmers can also participate in breeding – see article 6 of the International Treaty on Plant Genetic Resources for Food and Agriculture.

Commented [A80]: Socio-economic factors are essential to sustainable crop production.

Commented [A81]: Edited to clarify that it is the negative impacts that should be reduced.

Commented [A82]: Perhaps instead of ‘reduce’ it would be more appropriate to say responsible use of, i.e. when adequate pest control techniques are used in combination with a range of other agricultural practices to control pests

Commented [A83]: On-farm management contributes to reducing vulnerability, including by broadening the genetic base of crops.

Commented [A84]: And feed if we are including animals in "agricultural outputs"

Commented [A85]: This should happen involving all stakeholders and applying a landscape approach and based on land resource planning
Research should focus on potential interventions and policy entry points to ensure agricultural and food production, processing and packaging, retail and markets, and consumer demand contribute to support food producers in their efforts to adapt to climate change, mitigate its impact, and reduce natural resource degradation. In particular, special attention should be paid to efforts to reduce and eliminate the use of plastics within the food system.

3.2.2 Ensuring sustainable use and management of natural resources and biodiversity in food production

a) Natural resources and biodiversity for food and agriculture play an essential role in ensuring resilient food systems, as well as diverse and adequate nutrition for all. It is therefore crucial that food systems guarantee the sustainable use and conservation of natural resources and biodiversity.

b) Governmental actors and farmers, agricultural producers and their organizations should address soil health as central to agricultural production systems. Governmental actors should encourage the use of integrated soil fertility management practices to maintain and increase crop sustainable soil management practices, and implement the soil fertility management recommendations in the Voluntary Guidelines for Sustainable Soil Management (VGSSM) to maintain and increase crop plant productivity in a sustainable way, and provide appropriate incentives for the use of sustainable land-soil management services and agricultural practices to maintain soil biodiversity and nutrient balance and promote carbon storage within a landscape approach and nutrient cycling and prevent soil pollution.

c) Governmental actors should establish systems for monitoring the production, distribution (including sale), quality, management and use of fertilizers following the principles of the International Code of Conduct for the sustainable use and management of fertilizers (The Fertilizer Code), to ensure sustainable food production, end malnutrition, enhance food security and nutrition, reduce pollution and improve food safety by promoting integrated, efficient and effective use of quality fertilizers.

d) Governmental actors should improve the integrated management and control of water resources for agriculture and food production – especially considering freshwater fisheries and aquaculture – through improved regulation, community participatory approaches, and water stewardship approaches that involve civil society organizations, private sector actors, and other stakeholders.

e) Governmental actors should mainstream biodiversity into all policies and programmes across agricultural sectors, and foster healthy ecosystems through the protection, conservation, and sustainable use of biodiversity of relevance to food and agriculture at ecosystem, species and genetic levels, productive systems that including diverse crops and livestock biodiversity (including that of, neglected and underutilized species), forest-tree biodiversity, the biodiversity of fished and farmed aquatic organisms, and the biodiversity that underpins food and agricultural production (including, forestry, fisheries and aquaculture) by providing services such

Commented [A86]: This is unclear. Mitigation in the context of agriculture and climate change relates to the reduction of the contributions of production systems to climate change, e.g. through the emission of GHGs.

Commented [A87]: We cannot be silent on the use of plastic which is destroying the environment and fish are consuming plastics and making its way into the food chain.

Commented [A88]: Natural resources are referring to land and water. It is important to also include biodiversity.

Commented [A89]: Included this excerpt to make link between biodiversity, resilient food systems, and nutrition clearer in the text.

Of note, FAO will be publishing later this year a Policy Guidance Note on the nexus between biodiversity and nutrition, in partnership with Bioversity International.

Commented [A90]: The term farmers refers only to a part of agricultural producers and excludes fisherfolk, foresters and pastoralists to mention a view all of which produce food.

Commented [A91]: http://www.fao.org/3/a-b813e.pdf

Commented [A92]: Term crops is limiting and does not include plantation and fruit trees, tea, coffee etc. The statements refers to all plants that are being cultivated.

Commented [A93]: I input “especially including fisheries” as freshwater management for agriculture and food production needs to consider if diversion of water will impact fisheries

Commented [A94]: Mainstreaming is crucial in ensuring the sustainable use and management of natural resources in food production, and an important work stream of FAO.

The concept (which was also added in a footnote) is in line with the recently approved FAQ Strategy on Mainstreaming Biodiversity across Agricultural Sectors (please see CL 163/11 Rev.1: http://www.fao.org/3/ca7175en/ca7175en.pdf).


Commented [A95]: Healthy ecosystems are the basis for the protection, conservation and sustainable use of biodiverse, productive systems.
3.2.3 Promoting nutrition within agriculture and food production

a) Governmental actors should integrate nutrition objectives into their national agriculture and fisheries policies.

b) Indigenous peoples and local communities, and other communities exercising customary tenure systems, benefit from and bear the responsibilities linked to sustainable food production systems.

c) Governmental actors should protect the rights of Indigenous Peoples, small-scale producers, pastoralists, peasants, and other communities with customary tenure systems that exercise self-governance of land, fisheries and forests, to land, territories, and resources they have traditionally owned, occupied or otherwise used or acquired. Their livelihoods should be maintained, their traditional, collective knowledge and practices should be valued, their access to traditional food should be protected, and their diets, nutrition, and wellbeing should be prioritized.

d) Governmental actors should learn and protect indigenous peoples’ food systems. Their ways of generating food by combining a deep understanding of the environment and its relations has enabled them to fine tune Indigenous peoples’ traditional knowledge that ensures food, while protecting biodiversity through sustainable territorial management systems that combine hunting, harvesting, fishing, shifting cultivation and nomadism. The adaptability of indigenous food systems over the past centuries to climate variations, disease outbreaks and displacements is not sufficiently understood by science and thus more research is needed to provide evidence from existing sustainable indigenous food systems.

Commented [A96]: Applies to all not just aquaculture.

Commented [A97]: This edit is intended to fill some gaps and provide a more easily understandable structure. It starts by listing components of biodiversity (the main categories directly used in production followed by “associated biodiversity”) and then moves on to landscape features.

Commented [A98]: This edit is made because the adoption of these practices would presumably be part of rather than complementary to the activities mentioned in the preceding sentences.

Commented [A99]: This is an attempt to address the confusing sentence structure. I guess something like this is what is meant.

Commented [A100]: This may need a footnote or a reference, to ensure the term “legitimate” is understood in context. Are there any illegitimate tenure rights holders?

Commented [A101]: The Commission on Genetic Resources for Food and Agriculture has endorsed voluntary guidelines on this (see footnote).

Commented [A102]: Particularly given the heading of Section 3.2, this is also relevant. The Commission has again endorsed voluntary guidelines (see footnote).

Commented [A103]: Rationale for inserting this footnote: Initial article 28. of the VGFsYN states that the VGFsYN should be interpreted and applied consistently with existing obligations under relevant national and international law and other agreed international human rights instruments. In part Part 3.2, this paragraph develops on the specific issues faced by indigenous peoples. Hence, we think relevant to specify on the rights of indigenous peoples.

Commented [A104]: This is an optional extra given the catch-all “other communities”, but it seems at least as relevant and logical as listing both “peasants” and “small-scale producers”.

Commented [A105]: I know edits rather than comments are requested, but there seems to be problem with the structure and logic of this list. I have no specific editorial suggestions.

Commented [A106]: Rationale for adding this paragraph.

Rationale:
The 2019 IPBES Global Assessment Report on Biodiversity and Ecosystem Services and many other scientific publications highlight that ecosystems and biodiversity are better preserved in indigenous territories and they are generally declining less rapidly in indigenous peoples’ land than in other lands.

This is strongly related to their ancestral food systems. It is important that States take measures to preserve and protect their ancestral food and knowledge systems, in
b) Governmental actors, private sector actors, development partners and donors should diversify agricultural investment and incentivize all types and sizes of producers to adopt sustainable production practices and to produce diverse, nutritious crops, plants and animal-source foods that contribute to healthy diets, while ensuring a decent income, livelihoods and resilience for farmers, particularly smallholders and/or family farmers, and farm workers. This should include supporting and encouraging sustainable crop, livestock, forestry, aquaculture, and fishery systems (including artisanal fisheries and aquaculture).

c) Governmental actors should integrate urban and peri-urban agriculture and urban land use into national and local agricultural development strategies, food and nutrition programmes, and urban and territorial planning, as a viable input into healthy diets for growing urban populations and social cohesion of communities.

d) Governmental and private sector actors should ensure enabling environments to assist and ensure farmers and other food producers have access to modern and sustainable technologies, technical assistance, and nutrition information within agriculture and other extension technical packages, and provide skill training and capacity development to be able to use those technologies/assistance/information that could improve the production, safety, and nutritional quality of crops, plants and animal-source foods for markets. Additionally access to other productive services as, finance, markets and infrastructure (water harvesting, terraces, irrigation) needs to be facilitated.

e) To reduce excessive food price volatility, governmental actors should promote market information systems that provide timely, transparent information about food-related market transactions, with more emphasis on nutritious commodities and orphan crops, including enhanced tracking of current and future food supply stock and price data.

f) Governmental actors, private sector actors, donors and other relevant stakeholders should invest in systemic multi-disciplinary research, development, and innovation for producing nutritious crops, such as fruit, vegetables, nuts and seeds, legumes, biofortified crops (developed through conventional on-farm breeding), and diverse animal-source foods and breeding (e.g. dairy products, fish, eggs, and meat), which are developed in a participatory manner closely with keeping smallholder and/or family farmers/farmers to improve their family’s livelihoods in mind.

3.2.4 Improving food storage, processing, transformation and reformulation

a) Governmental actors, private sector actors, and donors should invest in infrastructure (e.g. storage facilities, roads and bridges, cold chain, physical markets, electricity, market information systems) to prevent postharvest loss and ensure smallholder farmers and fishers and small and medium-size enterprises (SMEs) are able to deliver diverse, perishable, safe foods to markets in sustainable ways.

b) Governmental actors, private sector actors, and farmers, food producers and their associations should facilitate minimizing food and nutrient loss during post-harvest storage, and throughout processing, transportation, and retail (particularly perishable foods...
such as fruits, vegetables, dairy, eggs, fish and meat). Facilitation includes training and capacity on improved management practices and fostering the adoption of appropriate technologies as well as the planning of production according to demand and the promotion of local markets to shorten circuits.

c) Governmental actors should establish guidance on the use of processing technologies\(^\text{46}\) and access to processing technologies\(^{47}\) that can improve the nutrient content of food, minimize post-harvest nutrient losses, and promote longer-term storage of food, particularly during periods of drought, flooding, and insufficient production.

d) Governmental actors should promote regulatory instruments and incentives to promote reformulation, complemented with appropriate measures such as front-of-pack labels (FOPL) and taxes to minimize the promotion of foods of high energy density with minimal nutritional value, (such as foods high in sodium, sugar, and trans and/or saturated fats), in accordance with World Trade Organization (WTO) rules.

e) Private sector actors should strive to meet public health goals aligned with national food-based dietary guidelines\(^{48}\) by further producing and promoting nutritious foods— including fresh and minimally processed foods—and food products that contribute to a healthy diet, such as increasing and preserving nutrient content and making efforts to reformulate foods, when necessary, by reducing the excessive content of sodium, sugar, and saturated fats, and eliminating trans fats in foods.

### 2.2.5 Improving nutrition and health of farm and food system workers

a) Governmental actors should ensure that the right to decent work is respected, protected and fulfilled for farmers and other food producers and workers in food processing (including migrants and undocumented workers), that these populations are protected and safe, and that there is no unnecessary burden or undue labour (including child slavery) which could negatively impact their health status, and that there is no hazardous conditions, inappropriate division of tasks, including involvement of children in harmful tasks (e.g. child labour).

b) Governmental actors and private sector actors should provide social protection when necessary to food producers and workers to ensure they are food secure, have living wages and sufficient livelihoods, and can access healthy diets and adequate health services.

c) Private sector actors should strive to improve the nutritional status of workers, increase their access to nutritious foods associated with healthy diets in or through the workplace, and encourage the establishment of facilities for breastfeeding.

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\(^46\) Technologies include cold chambers storage units, solar walk-ins, refrigerators, dry storage, storage drums and drying facilities.

\(^47\) Technologies include flash and solar drying, converting food to pastes and spreads, appropriate packaging to preserve nutrient content, and post-harvest fortification of food vehicles with micronutrients that are beneficial to health. Food fortification should be guided by national standards, with quality assurance and quality control systems to ensure quality fortification.

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Commented [A127]: Facilitate the access to processing technologies via easing import of processed technologies with low tariffs or financing R&D for its domestic production.

Commented [A128]: I think fresh and minimally processed foods should be mentioned in this item about FBDGs. Otherwise it seems totally oriented toward processed foods (food reformulation, etc.)

Commented [A129]: increasing nutrient content through food fortification or through improved methods to retain nutrients/reduce excessive content of harmful ingredients?

Commented [A130]: This seems totally out of place here (at least b and c), but I presume it cannot be changed. It fits better under item 3.3.

Commented [A131]: Something to consider is that many people in food systems related work, especially in urban areas in HICs but also migrant workers, farmers, etc., do not have a living salary and rely on food banks. I wonder if we should say anything in regard to food banks, such as framing their relevance and how to ensure they are not structural (necessary due to bad practices) but rather transitory/for situations of acute need. Perhaps that can be integrated here? That reinforces what we say later, that these food assistance programmes should be nutritious, and support smallholders through public procurement, this type of thing (highlighting the rural-urban linkages).

Commented [A132]: There is a lot of occupational health and safety issues in the food processing industries (e.g. slaughter)

Commented [A133]: The use of this wording is incorrect. Slavery is only one of the four worst forms of child labour. What you describe, in loose terms, is child labour. However, to be fully correct and comply with internationally recognized conventions, you should consider re-wording as suggested to be technically correct.

Commented [A134]: Should this include nutrition education/awareness raising? Access to nutritious foods should be accompanied by awareness raising/knowledge about the benefits?
3.2.6 Empowering youth across food systems

a) Governmental actors, intergovernmental organizations, and private sector actors should engage and empower youth by removing obstacles and enhancing their access to land, natural resources, inputs, tools, information, extension and advisory services, financial services, education, training, markets, and inclusion in decision-making processes in accordance with national legislation and regulations.

b) Governmental actors, private sector actors, non-governmental organizations, and communities should invest in appropriate vocational training, education, and mentorship programmes for youth to increase their capacity and access to decent work and entrepreneurship opportunities to stimulate the transition toward sustainable food systems for the next generation.

c) Governmental actors and private sector actors should promote development and access to sustainable innovation, resource hubs, and new technologies for youth along food supply chains that enhance nutrition and support social enterprises (particularly in countries experiencing high rates of youth internal and external migration).

d) Government actors, private sector actors, non-governmental organizations, and communities should take relevant measures to ensure due diligence in food systems and protect children and youth from hazardous work and inappropriate work burden many children and under-age youth shoulder in rural areas because of food insecurity, which leads to undernutrition and wasting.

e) Governmental actors, intergovernmental organizations, and private sector should support indigenous peoples youth organizations, in particular by providing them with intercultural programmes that enable them to protect the transmission of their traditional knowledge in relation to food systems and climate change; intercultural education; and job opportunities.

3.3 EQUITABLE ACCESS TO HEALTHY DIETS DELIVERED BY SUSTAINABLE FOOD SYSTEMS

Food environments comprise foods available and accessible to people in their surroundings and the nutritional quality, safety, price, convenience, labelling and promotion of these foods. These environments should ensure that people have equitable access to sufficient, safe and nutritious foods that meet dietary needs and food preferences for an active and healthy life, considering the various physical, social, economic, cultural, and political factors that influence that access. For many people, access to healthy diets can be problematic as they may not be available, accessible, or affordable for a variety of reasons. This section outlines the potential policy entry points to improve physical and economic access, and availability of healthy diets within sustainable food systems in the places where people shop, choose, and eat food.

Commented [A135]: This addition complements well the previous points which respectively focus on the issues of access (a. to assets, c. to technology), and education/skills development/human capital (b.). Here, it adds the dimension of protection (from harm) and legal accountability of food systems vis-à-vis youth protection, ultimately contributing to empower youth across food systems.

Commented [A136]: Rationale for adding a paragraph on indigenous youth.

Rational
Indigenous youth have a key role in preserving the indigenous peoples’ knowledge, food and territorial management systems that have allowed them to inhabit the same territories for thousands of years, without depleting the natural resources base.

FAO. 2004. Voluntary Guidelines to support the progressive realization of the right to adequate food in the context of national food security. Paragraph 15.
3.3.1 Improving access to foods that contribute to healthy diets

a) Governmental actors should improve the availability and access of nutritious foods that contribute to healthy diets through trade and investment agreements and policies, in accordance with WTO and multilaterally agreed rules, and use such agreements to ensure the progressive realization of the right to adequate food in other countries.

b) Governmental actors should take into consideration an equity lens when investing in actions to address food environments and ensure members of historically marginalized and vulnerable communities, residents of low-income communities, Indigenous Peoples, peasants, pastoralists, small-scale fisherfolk, people facing physical constraints due to age, illness, or disability, women, and people living in rural areas have sufficient access to and ownership of diverse food markets in accordance with the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP).

c) Governmental actors should minimize physical barriers so that people can grow, purchase, order or eat diverse types of foods that contribute to healthy diets in a given food environment. This can be done by instituting urban planning policies that encourage retail outlets to sell affordable nutritious foods that contribute to healthy diets, and that restrict the growth of retail outlets which sell an overabundance of foods of high energy density with minimal nutritional value, and promote homes food production and gardens, where appropriate.

d) Governmental actors should encourage zoning laws, certifications and tax incentives for farmers markets, mobile food retailers, street food vendors and other alternative retailers that sell nutritious foods that contribute to healthy diets in low-income areas, and reduce the concentration of vendors that sell foods of high energy density with minimal nutritional value, in all areas, and low-income areas in particular.

e) Governmental actors, in collaboration with consumer associations, can regulate and incentivize local food retailers to increase the number, variety, and sale of nutritious foods that contribute to healthy diets. This can be done by creating local food policy councils to give residents a voice in how best to improve availability, access and affordability of healthy diets in their communities.

3.3.2 Improving the availability and affordability of foods that contribute to healthy diets

a) Governmental actors should consider fiscal policies to promote the affordability of healthy diets. This includes subsidies to promote nutritious food options to ensure they are affordable and competitive compared with foods and beverages of high energy density with minimal nutritional value for which industry tax benefits, or their development and marketing should be removed.

b) Governmental actors should strengthen public procurement systems and orient them toward ensuring healthy diets are available and convenient in public settings and institutions such as kindergartens and other childcare facilities, schools, hospitals, foodbanks, workplaces, government offices and prisons in line with national food-based dietary guidelines.

c) Governmental actors should link the provision of healthy school meals with clear nutritional objectives, aligned with national food-based dietary guidelines and adapted to the needs of different age-groups, with special attention to the needs of adolescent girls. Policymakers and...
UN agencies should consider promoting home grown school meals, where foods served in schools are procured from local smallholder and/or family farmers, and fisherfolk.

d) Governmental actors and intergovernmental organizations should facilitate the affordability of healthy diets for poor households through social protection programmes such as vouchers, cash, school feeding, or food supplement programmes.

e) Governmental actors, consumers, and farmer organizations should promote the availability of nutritious foods that contribute to healthy diets through local farmers markets, home gardens (including urban agriculture), community cooperatives and other community-building efforts that engage people around local food cultures.

3.3.3 Monitoring new technologies and promoting trends for healthy diets

a) Governmental actors should understand and acknowledge the influential roles of the internet, social media, and online marketing of foods, and should work toward monitoring and encouraging media companies to promote nutritious foods that contribute to healthy diets on social media spheres, including information on how to prepare healthy meals.

b) Governmental actors should recognize the growing trend of foods purchased online and consumed away from home (including street foods) and should promote policy and/or incentivize restaurants/online outlets to offer prepared dishes made from nutritious foods that contribute to healthy diets, display information about individual food items and meals on menus (i.e. calories, product composition, and other nutritional content), avoid food waste, and adhere to food safety regulations.

3.4 FOOD SAFETY ACROSS SUSTAINABLE FOOD SYSTEMS

41.42. Food safety touches upon all parts of the food system and is critical to prevent food-borne pathogens, hazards and illness, as well as transmission or contamination of naturally occurring toxins, pesticides, antibiotics, and heavy metals. Food safety cannot be considered nutritious if it is not safe, and poor food safety hinders the adoption of healthy diets. There is an increased urgency to improve the ability to track food safety to help monitor the food supply flow, better connect producers to consumers, and facilitate food recalling and withdrawal across coordinated networks. This section highlights the need for global and national cooperation on food safety and for every stakeholder to be responsible and accountable for the sourcing, handling, and quality control of foods because of the potential spread of food-borne-related illness.

3.4.1 Adopting national and international cooperation on food safety

a) Governmental actors should promote food safety within their food systems policies or develop food safety policies that consider actions across the entire food systems, including production, processing, handling, preparation, storage, and distribution of food.

b) Governmental actors should develop, establish, strengthen and enforce, as appropriate, food control systems, including reviewing, adopting, modernizing and enforcing national food safety legislation and regulations to ensure that food producers and suppliers throughout the food supply.
chain operate safely. Considering the centrality of the Codex Alimentarius Commission on nutrition and food safety and quality, Governmental actors should implement, as appropriate, internationally adopted Codex standards at the national and sub-national levels.

c) Governmental actors and the FAO/WHO International Food Safety Authorities Network (INFOSAN) should participate in, share and contribute data and evidence to international networks that exchange food safety information, including the surveillance of foodborne hazards and disease outbreaks and management of emergencies to improve food safety across a range of issues such as water quality, pesticide residues, fertilizer residues, antimicrobial residues, endocrine disrupters, chemical and unsafe food additives, pathogenic bacterial, viruses, toxins, parasites, and fraud/adulteration of food products.

3.4.2 Ensuring food safety across food production systems
a) Governmental actors and private sector actors should consider a One Health Approach⁴⁹ to food safety along the entire food and feed chain, recognizing the interconnection between food safety and human, plant, animal and environmental health.

b) Governmental actors, in collaboration with intergovernmental organizations, should develop and implement national guidelines on the prudent use of antimicrobials in food-producing animals according to internationally adopted standards, relevant to World Trade Organization/Sanitary and Phytosanitary (WTO/SPS) agreements and Codex ad hoc Intergovernmental Task Force on Antimicrobial Resistance, to reduce the non-therapeutic use of antimicrobials and to phase out the use of antimicrobials as growth promoters.

3.4.3 Protecting consumers from food safety risks in food supplies
a) Governmental actors, private sector actors, and development partners should promote and enhance traceability in food supply chains, early contamination detection, and leverage the opportunities that new technologies offer for traceability solutions.

b) Investment by private sector actors and donors should be made to train food producers, handlers and preparers and adopt scientifically, risk-based practices that can provide safe food while retaining their nutrient content.

c) Governmental actors should understand and evaluate risks and unintended consequences and manage new food products created by emerging technologies (e.g. lab grown meats, and gene edited products, etc.) as appropriate depending on scientific risk assessments and Codex standards, where available, as with any new food product in international regulatory frameworks.

⁴⁹ One Health is an approach to designing and implementing programmes, policies, legislation and research in which multiple sectors (such as public health, animal health, plant health and the environment) communicate and work together to achieve better public health outcomes. Reference: https://www.who.int/features/qa/one-health/en/
3.5 PROTECTION OF FOOD CULTURE AND ENABLING PEOPLE TO IMPROVE THEIR FOOD PRACTICES FOR HEALTHY DIETS

3.5.1 Utilizing environment and consumer-centred policies and tools to provide education and information on promote healthy diets

a) Governmental actors, supported by partners, should develop and implement evidence-based national food-based dietary guidelines that respond to a country’s public health, nutrition and related sustainability priorities and that use a multisectoral process and food systems approach for different age groups that define context-specific, diverse, healthy diets by taking into account social, cultural, scientific, economic, ecological and environmental drivers to promote policy coherence (e.g. food and nutrition education, health, food and agriculture, social protection, fiscal, etc.) for healthy diets

b) Governmental actors, together with partners (including civil society organizations, NGOs and UN agencies) should promote, design, implement and evaluate contexts community-based food and nutrition education programmes to improve, change and/or consolidate priority food and nutrition behaviours. These programmes should follow international best practice (needs and evidence-based, behavior-focused, context-specific, hands-on, owned by people, inclusive of influencers of changes, adequate dose and duration, and supported by food environment policy and system changes), use evidence-based as well as cognitive, cultural, and plural knowledge resources to promote education and knowledge of healthy diets, physical activity, food waste prevention, intrahousehold food distribution, food safety, optimal breastfeeding and complementary feeding, taking into consideration cultural and social norms and adapting to different audiences and contexts.

c) Governmental actors should adopt and implement comprehensive school food and nutrition policies and programmes, which feature, review, high-quality hands-on education curricula that incorporates competence-based food and nutrition principles, education, involve communities involvement, promoting and creating healthy food environments (e.g. setting school meal nutrition standards, regulating the sale and marketing of foods in and around

Commented [A159]: That was an odd title for this section. Most of the other section titles emphasize an important aspect to be promoted or preserved, but this title is confusing.


Commented [A160]: This title is not at all adequate for the recommendations below.

Commented [A161]: The terminology used was not aligned with the evidence. There is overemphasis on information and knowledge, when key evidence has shown that information is not automatically translated into improved knowledge, and that knowledge is not automatically translated into improved food behaviours and practices, e.g. [https://www.ncbi.nlm.nih.gov/pubmed/18296331

http://www.fao.org/nutrition/education-nutritionnelle/professional-training/enact/fr/

Terms such as “education”, “information”, “SBCC”, “counseling”, “knowledge” and “awareness” are used almost interchangeably when these are not. [https://www.sneb.org/past-webinars/free-whats-in-a-name/Throw-Past-Webinar]

Commented [A162]: Consumers are also key actors across food systems

Commented [A163]: The title was changed to fit the content and use terminology aligned with the FS framework, and to showcase the need for complementarity.

Commented [A164]: Should be combined with use of safe and clean drinking water


Commented [A166]: This has been moved as the nature of the recommendation was not well fitting in the original section. The following references justify the best practices addition: [http://www.fao.org/nutrition/education-nutritionnelle/professional-training/enact/fr/]

Commented [A167]: See: [http://www.fao.org/nutrition/education/professional-training/en/]

Commented [A168]: As suggested by FAO. See [http://www.fao.org/nutrition/education]

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Footnote: Food and nutrition education is designed to improve/change/consolidate a wide range of behaviours or practices according to the main identified needs, including food selection, homestead production, preparation and food safety, intrahousehold food distribution, breastfeeding and complementary feeding, disposing of food, etc.

schools, information environment, provision of safe drinking water, etc.) and healthy diets in schools, and support school health and nutrition services, including physical education.

**d)** Governmental actors should **develop nutrition standards** as a basis to and **restrict the promotion and marketing** (including digital marketing, sponsorship, advertising) of foods of high energy density with minimal nutritional value (including sugar-sweetened beverages), promotion and sponsorships exposure, especially of, to children aged 18 or younger, to foods high in energy density with minimal nutritional value and sugar-sweetened beverages, in accordance with multilaterally agreed rules and national legislation, where applicable.

**e)** Governmental actors should **regulate the marketing of commercial infant formula** and other breast-milk substitutes and implement the International Code of Marketing of Breast-Milk Substitutes\(^\text{[31]}\) and subsequent WHA resolutions.

**f)** Governmental actors should **regulate nutritional labelling and consider front-of-pack labelling (FOPL) combined with nutrition[education]** to promote healthy diets. The FOPL system should be aligned with national public health and nutrition policies and food regulations, as well as relevant WHO guidance and Codex guidelines. The FOPL system should comprise an underpinning nutrient profile model that considers the overall nutrition quality of the product or the nutrients of concern for NCD **prevention** (or both). Complementary policies could be considered for foods of high energy density with minimal nutritional value to not be sold or marketed in public places or near schools, including kindergartens and child care facilities.

**g)** Governmental actors should provide incentives to private sector actors to **design food outlets including markets, restaurants, and other places** where foods are sold or served that encourage options (e.g. by encouraging the placement and promotion of foods that contribute to healthy diets in retail spaces.

**h)** Governmental actors, UN agencies, NGOs, and **medical and health practitioners/services** should **consider coupling-integrate nutrition education and counselling to populations participating within maternal and child nutrition programmes, and also as core element of school curricula.**

**i)** Governmental actors, **supported by UN agencies, NGOs, and medical and health practitioners should promote a range of behavior change interventions such as social and behavior change communication (SBCC), food and nutrition education and social marketing and social-support interventions** as a way to positively influence knowledge, attitudes, behaviors, and social norms, and coordinate messaging on nutrition across a variety of communication channels to reach multiple levels of society (e.g. mass media campaigns).

**j)** Governmental actors, intergovernmental organizations including UN agencies, preparers of food, and private sector actors should educate all food system actors to **prioritize the reduction of food waste.** Actions could include awareness campaigns at national, regional and global levels, labelling schemes, and updating Food-Based Dietary Guidelines to align recommendations with policies and programmes to tackle food waste.

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3.5.2 Promoting positive local food knowledge and culture

a) Governmental actors, civil society organizations, and UN agencies should use evidence-based as well as cognitive, cultural, and plural knowledge resources to promote education and knowledge of healthy diets, physical activity, food waste prevention, intra-household food distribution, food safety, optimal breastfeeding and complementary feeding, taking into consideration cultural and social norms and adapting to different audiences and contexts.

b) Governmental actors, civil society organizations, community leaders, social workers, and health professionals should encourage food culture, acknowledge and the importance of sociocultural norms, relations and structures in influencing diets, and the role of food in shaping society and culture. This can be done through interventions that support anthropological research, revalorize traditional and underutilized nutritious foods, apply territorial approaches, promote awareness around food sustainability in all its dimensions, and safeguard food culture as heritage, community and consumer associations and educational institutions, targeting men and women.

c) Governmental actors should protect and promote the good knowledge that Indigenous Peoples have with regard to local traditions and methods of producing, preparing, and preserving food; that imparts nutritional and environmental benefits.

d) Governmental actors, intergovernmental organizations, NGOs, and civil society organizations should engage in nutrition dialogues with communities by drawing on the knowledge, experience and insights of individuals who are not usually regarded as members of the nutrition community (e.g. community and religious leaders, chefs and food service staff, supermarket buyers, influencers on social media, youth leaders, farmers and food producers, young entrepreneurs, mayors and local communities).

3.5.3 Promoting “hubs” for food and nutrition learning knowledge, education and information

a) Universities and technical schools should institute nutrition and a tailored nutrition education curriculum for all medical, nursing, health, teaching, and agriculture, and food technology and extension students during training.

b) Governmental actors, civil society organizations and UN agencies should promote culinary food skills among school-age children, adolescents and adults (including promoting communal mealtimes, socializing around food, consuming healthy diets, and reducing food waste) in schools, workplaces and community centres.

b1) Governmental actors, universities, research centres and intergovernmental organizations should join the Global Hub on Indigenous Peoples Food systems launched in 2020 as part of the UN Decade of Action on Nutrition, where indigenous representatives, their UN mechanisms and indigenous peoples organizations will share some of their knowledge about sustainable food systems and nutritious edibles that are not part of the mainstream food supply.

c1) Environmental actors should adopt and implement comprehensive school food and nutrition policies, review education curricula to incorporate nutrition principles, involve communities in promoting and creating healthy food environments and healthy diets in schools, and support school health and nutrition services.
d) Governmental actors, intergovernmental organizations, NGOs, and civil society organizations should engage in nutrition dialogues with communities by drawing on the knowledge, experience, and insights of individuals who are not usually regarded as members of the nutrition community (e.g., community and religious leaders, chefs, supermarket buyers, influencers on social media, youth leaders, farmers, and food producers, young entrepreneurs, mayors, and local communities).

3.6 GENDER EQUALITY AND WOMEN’S EMPOWERMENT ACROSS FOOD SYSTEMS

Gender relations and cultural norms are among the most significant drivers of healthy diets and nutrition outcomes. In many countries, women produce food, make decisions about the household’s diet and, as primary caregivers, influence the family’s nutritional status. Women are important agents of change for sustainable development, not only as food system actors, but also as actors in their households, communities, and overall society. At the same time, women have an unequal household labour burden that should be addressed: and often face higher levels of food insecurity and worse nutrition outcomes than men. Therefore, women’s and girl’s empowerment through education, collective action, information and access to resources and services is key to improving nutrition. This section highlights the importance of improving women’s wellbeing, ensuring access to financial, technical and biophysical resources, improving agency, voice and status, and challenging the power relationships and legal impediments that limit equality and choices.

3.6.1 Empowering women

a) Governmental actors should pass laws that promote equal participation between women and men in political decision-making, supporting women with specific attention to rural women, holding leadership roles in decision making bodies – parliaments, ministries and local authorities at district and community levels – so that they can be part of the process of devising solutions to the malnutrition challenges they face.

b) Governmental actors should promote an enabling environment to generate cultural changes towards gender equality with specific policies, programmes, institutions and advocacy campaigns to deal with the various forms of discrimination and violence women face.

c) Governmental actors and intergovernmental organizations should increase adolescent girls’ and women’s human capital by ensuring they have access to education, literacy programmes, health care, and other social services as a way to increase household nutritional status.

3.6.2 Promoting and acknowledging women as food system entrepreneurs

a) Governmental actors should ensure women’s equal tenure rights and promote their equal access to and control over productive land, natural resources, inputs, productive tools, and access to education, training, markets, and information in line with the CFS VGGT.

b) Governmental actors, private sector actors, and intergovernmental organizations should enhance women’s roles in agriculture by giving women decision-making power over what they choose to produce, and how they choose to produce those crops/food. Women should be offered equal levels of access to extension and advisory services for crops and animal products.
that they produce or process, capacity-building to engage with traders, financial services (credit and savings mechanisms), and entrepreneurial opportunities across food systems.

c) Governmental actors, NGOs and private sector actors should **promote and increase access to labour and time saving technologies**\(^{32}\) including access to **adequate tools** that **could help improve the livelihoods of women**.

d) Governmental actors and private sector actors should **facilitate women’s equal access to entrepreneurship and employment opportunities** across food systems and related activities to generate income and increase their participation in decisions on the use of household income and build and manage savings without reinforcing unequal gender roles. This would include household and business **budget-management** training, decision-making skill development, scaling of financial services and products both accessible and relevant to women’s needs, and tools to help men and women strengthen their intra-household communication.

### 3.6.3 Recognizing women’s nutritional status and deprivation

a) Governmental actors, intergovernmental organizations, NGOs, and development partners should **pay specific attention to the nutritional well-being of adolescent girls and women** and provide health and nutritional care and services through various sectors. This can be done by ensuring that national development strategies are driven by gender analyses, and that those women and adolescent girls with compromised nutritional status and higher levels of deprivation, are the recipients of social protection policies and benefits.

b) Acknowledging the significant time and work burden of women in the preparation of nutritious meals, and their roles in agriculture and food production, governmental actors should **recognize and value the importance of unpaid care work** at the household level through the effective implementation of protective laws, social protection programmes, and other benefits, and should enable gender-equitable distribution of care work. The equal participation of men in unpaid work should be promoted, especially where women are also active in productive labour.

c) Governmental actors should create an enabling legal framework and supportive practices to **protect and support breastfeeding**, ensuring that decisions to breastfeed do not result in women losing their economic security or any of their rights. This should include implementing maternity protection legislation, including entitlement to publicly-funded paid maternity leave (or paternity leave), and removing workplace-related barriers to breastfeeding (lack of breaks, facilities, and services).

### 3.7 RESILIENT FOOD SYSTEMS IN HUMANITARIAN CONTEXTS

**Linking food security and nutrition interventions during humanitarian crises (man-made and climate-related disasters) with longer-term strategies to strengthen the resilience of food systems is key.** Short or protracted crises are often cause by conflict and climate change, displacing millions which millions which increases their risk of food insecurity and malnutrition. Considering the importance

- **Commented [A190]:** Often tools are too big or heavy for women as they were designed for men or tools for women specific work do not exist e.g. tool to crash cashew nuts decreases labour and time and increases price

- **Commented [A191]:** The term business management is broader than business budget as it encompasses also knowledge on entrepreneurship and market linkages.

- **Commented [A192]:** Why is the negative part in the header needed?

- **Commented [A193]:** This section is mostly focused on EW, DRR and safety nets for vulnerable and crisis affected populations. There should be some guidance for strengthening food systems, particularly food supply function of food systems in the face of shocks, e.g. options for local food producers, traders and other actors as well as government responses, e.g. food stocks, trade agreements, ...

- **Commented [A194]:** A critical element of resilience is strong institutional and human capacities. These are what set apart the countries whose food systems collapse with every shock from those that withstand crises. This has not been treated under this section.
of resilient food systems, this section highlights the importance of strengthening the nexus between humanitarian and development programming and builds upon the 11 principles in the CFS Framework for Action for Food Security and Nutrition in Protracted Crises (FFA)\(^3\).

### 3.7.1 Protecting the most vulnerable to malnutrition in humanitarian contexts

a) Governmental actors and humanitarian organizations should pay particular attention, protection, and facilitate access to nutritious food and nutritional support to most vulnerable and marginalized groups.

b) Governmental actors and parties involved in conflicts should respect and protect the equal and unhindered access of all members of affected and at-risk populations to food security and nutrition assistance, in both acute and protracted crises, in accordance with internationally recognized humanitarian principles, as anchored in Geneva Convention of 1949 and other UNGA Resolutions after 1949.

c) Governmental actors, with the support of the UN system and international assistance and cooperation where appropriate, should ensure access to nutritious food and nutritional support for refugees and asylum seekers in their territory, in accordance with their obligations under relevant international legal instruments.

### 3.7.2 Improving the quality of food and nutrition assistance

a) Governmental actors, all parties involved in conflicts, climate-related disasters and food assistance, including humanitarian organizations, should ensure that food security and nutrition assessments and analyses (such as the Integrated Phase Classification System) are undertaken throughout a crisis to inform the food and nutrition response as well as any components of the local food system requiring rehabilitation.

b) Governmental actors should recognize nutrition as an essential need and humanitarian assistance should aim to meet nutritional requirements of the affected population, particularly the most vulnerable to malnutrition. Any food items provided should be of appropriate nutritional quality and quantity, be safe and socially/culturally acceptable, and not harm local markets. Food must conform to the food standards of the host country’s government in line with the Codex Alimentarius standards about food safety, quality, and labelling.

c) Governmental actors and humanitarian assistance organizations should be encouraged to purchase locally produced, fortified food (including Ready to Use Supplementary and Therapeutic foods in some contexts) and ensure they are available through social protection mechanisms and acute malnutrition management programmes, with improved coverage during times of crisis. Fortification should be used only in limited times and places and should not disrupt local market and accessibility of nutritious foods in the longer term.

d) Governmental actors should have an explicit policy on infant and young child feeding (IYCF) in emergencies, and governmental actors, UN agencies and NGOs should ensure that such policies

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\(^3\) CFS Framework for Action for Food Security and Nutrition in Protracted Crises

on IYCF practices are implemented, coordinated, promoted, and improved upon during humanitarian crises.

e) UN agencies and humanitarian assistance organizations should ensure that when implementing cash and voucher assistance, the minimum expenditure basket and transfer value is promoting nutritious foods that are locally available and sufficient to provide a healthy diet for all stages of the lifecycle.

3.7.3 Ensuring food systems are resilient in humanitarian contexts

a) Governmental actors in partnership with relevant organizations should develop and use early warning systems, climate information services, and food and agriculture information systems that detect and monitor threats to food production, availability and access as well as food safety and tampering. These early warning systems should be integrated into broader food analysis systems including the monitoring of the availability and affordability of nutritious foods that contribute to healthy diets at the local level.

b) Governmental actors, development partners and donors should invest in disaster risk reduction measures that benefit those most at risk/need. In particular, productive assets should be protected from severe weather and climate impacts in a way that strengthens the resilience of affected populations and their ability to cope with shocks due to conflicts and climate-related disasters. Ecosystems that provide disaster risk reduction services should be conserved or restored. Where appropriate, diversified production strategies (e.g. mixed systems and/or use of multiple species, varieties, etc.) should be utilized to hedge against climate-related and other risks. Governmental actors should aim to restore local seed systems, including through the implementation of Farmers’ Rights as set out in the International Treaty on Plant genetic Resources for Food and Agriculture, food production and market accessibility as rapidly as possible. Resilience should be strengthened through sustainable land management practices, rainwater harvesting, local saving and credit schemes.

c) Intergovernmental organizations particularly the UN agencies and development partners should use local organizations in the implementation of humanitarian food assistance and livelihood programmes to support economic recovery and development, strengthen sustainable local food systems and foster the ability of smallholders and/or family farmers to access resources to bolster production and markets.

PART 4 - IMPLEMENTATION AND MONITORING OF THE USE AND APPLICATION OF THE VOLUNTARY GUIDELINES ON FOOD SYSTEMS FOR NUTRITION

4.1 POLICY FORMULATION AND IMPLEMENTATION OF THE VGFSyN

49. All CFS stakeholders are encouraged to promote at all levels within their constituencies, and in collaboration with other relevant initiatives and platforms, the dissemination, use and application of
the VGFSyN to support the development and implementation of coordinated and multisectoral national policies, laws, programmes and investment plans.

50. The VGFSyN are intended to support the implementation of the UN Decade of Action on Nutrition 2016-2025 with the objective of increasing the visibility, coordination and effectiveness of nutrition actions at all levels, as key aspects toward the realization of the 2030 Agenda for Sustainable Development.

51. Governmental actors are invited to use the VGFSyN as a tool to undertake new initiatives toward the transformation of food systems to make them more sustainable and capable of delivering healthy diets. These include identifying policy opportunities, fostering a transparent and open dialogue, promoting coordination mechanisms, and establishing or strengthening existing, multistakeholder platforms, partnerships, processes and frameworks in line with relevant recommendations and best Multi-Stakeholder Partnerships practices44, such as the Scaling Up Nutrition (SUN) Movement.

52. Parliamentarians and their regional and sub-regional alliances have a key role in promoting the adoption of policies, establishing appropriate legislative and regulatory frameworks, raising awareness and promoting dialogue among relevant stakeholders, and allocating resources for the implementation of laws and programmes dealing with food systems and nutrition.

### 4.2 BUILDING AND STRENGTHENING CAPACITY FOR IMPLEMENTATION

53. To achieve sustainable results at scale particularly at country level, a system-wide capacity development approach needs to be applied that empowers people, strengthens organizations, institutions, networks, multistakeholder platforms and processes as well as a more conducive policy environment55, particularly among nutrition and food system actors, to reshape food systems in a country-driven matter to deliver balanced healthy and sustainable diets, and to promote adequate food habits.

54. Governmental actors, supported by donors and financing institutions, need to mobilize adequate financial, technical and human resources to increase the human and institutional capacity of countries to implement the VGFSyN and to identify priorities toward their operationalization and monitoring at the national and local levels. Technical agencies of the UN, bilateral cooperation and other financing mechanisms can assist in this regard. The organization of multistakeholder workshops and training, as well as the development of user-friendly and technical guides, deployed via extension services and digital means, are important to contextualize and adapt to local contexts.

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54.55. Donors, financing institutions and other funding entities are encouraged to apply the VGFSyN when formulating their policies for loans, grants and programmes to support both rights holders’ and duty bearers’ endeavours. The VGFSyN should contribute to the design of investments that aim to increase the production, affordability, and access to diverse and nutritious food, as well as to promote the integration of nutrition and health dimensions into agriculture and food sector investment plans, as well as to promote the integration of sustainable agriculture and food system dimensions into nutrition and health investment plans.

55.56. Development partners, technical agencies of the UN, including the Rome-based Agencies, and regional organizations are encouraged to support efforts by Governmental actors to implement the VGFSyN. Such support could include research and technical cooperation, financial assistance, the provision of evidence-based policy advice, institutional capacity development, support to develop monitoring frameworks, knowledge sharing and exchange of experiences, and assistance in developing national and regional policies. Actions should be taken to improve partners’ capacity to design, manage and participate in multistakeholder partnerships, to ensure transparency and accountability and promote good governance for effective results. Moreover, UN interagency coordination mechanisms for nutrition could be leveraged to support the uptake of the VGFSyN at country level.

56.57. National and international research organizations, academic institutions, and universities should provide the knowledge, innovation, science, and evidence on all dimensions of food systems (including citizen/consumer demand and behaviour change) to enable governmental actors and other food system stakeholders to develop monitoring frameworks, examine the evidence, prioritize issues to be considered, evaluate impacts, and address potential trade-offs.

57.58. The dissemination and uptake of the VGFSyN can be facilitated through the identification of “champions” and “change agents”, especially among civil society, who could raise awareness across sectors and different governmental levels, and the organization of advocacy campaigns at different levels.

4.3 MONITORING OF THE USE AND APPLICATION OF THE VGFSyN

58.59. Governmental actors, in consultation with relevant stakeholders, should define national policy priorities and related indicators and establish or strengthen existing monitoring and reporting systems in order to assess the efficiency of laws, policies and regulations, and implement appropriate remedial actions in case of negative impacts or gaps.

59.60. By implementing the VGFSyN, governmental actors are expected to contribute to the achievement of the six Global Nutrition Targets (2025) endorsed by the WHA in 2012\(^\text{56}\) and its diet related NCD targets\(^\text{57}\). The VGFSyN should support countries in defining priority actions and formulating

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\(^{56}\) https://www.who.int/nutrition/global-target-2025/en/

\(^{57}\) https://www.who.int/beat-ncds/take-action/targets/en/
“SMART” commitments\(^8^\) in order to achieve nutrition objectives as well as to promote the creation of informal coalitions of countries to accelerate and align efforts around specific topics linked to one or more action areas of the Nutrition Decade and the 2030 Agenda. This can be done through advocating for policies and legislation, allowing the exchange of practices and experiences, highlighting successes and lessons learned, and providing mutual support to accelerate implementation.

**GO.61.** CFS should include the VGFSyN in its ongoing work on monitoring, relying as much as possible on existing mechanisms, CFS should organize a Global Thematic Event where all relevant stakeholders can learn from the experiences of others in applying them and assess their continued relevance, effectiveness and impact on food security and nutrition. CFS member should report every two year how the VGFSyN is being implemented in their countries at a special side event that would showcase a few countries for lessons learning.

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\(^8^\) In the context of the UN Decade of Action on Nutrition and ICN2 follow-up process, country commitments for action should be specific, measurable, achievable, relevant and time-bound. [https://www.who.int/nutrition/decade-of-action/smart_commitments/en/](https://www.who.int/nutrition/decade-of-action/smart_commitments/en/)