1. Record Nr. UNINA9910637710703321 Titolo Science and Innovations for Food Systems Transformation / / edited by Joachim von Braun, Kaosar Afsana, Louise O. Fresco, Mohamed Hag Ali Hassan Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa **ISBN** 3-031-15703-6 Edizione [1st ed. 2023.] Descrizione fisica 1 electronic resource (948 p.) Disciplina 630 Soggetti Agriculture Earth sciences Geography Food science Sociology Nutrition Food Earth and Environmental Sciences Food Science Food Studies Sociology of Food and Nutrition Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Part I: FOOD SYSTEM CONCEPT AND SUMMARIZED RECOMMENDATIONS

Nota di contenuto

-- Chapter 1: Food systems: seven priorities to end hunger and protect the planet -- Chapter 2: Food system concepts and definitions for science and political action -- Part II: ACTIONS ON HUNGER AND HEALTHY DIETS -- Chapter 3: Healthy diet - A Definition for the United Nations Food Systems Summit 2021 -- Chapter 4: Ensuring Access to Safe and Nutritious Food for All Through Transformation of Food Systems -- Chapter 5: Shift to Healthy and Sustainable Consumption Patterns -- Chapter 6: Fruits and Vegetables for Healthy Diets: Priorities for Food System Research and Action -- Chapter 7: Modelling Actions for Transforming Agrifood Systems -- Part IV: ACTIONS FOR

EQUITY AND RESILIENCE IN FOOD SYSTEMS -- Chapter 8: Advance Equitable Livelihoods -- Chapter 9: A Review of Evidence on Gender Equality, Women's Empowerment and Food Systems -- Chapter 10: The Future of Small Farms: Innovations for Inclusive Transformation --Chapter 11: Diversification for enhanced food systems resilience --Chapter 12: Addressing Food Crises in Violent Conflicts -- Chapter 13: In brief: The White/Wiphala Paper on Indigenous Peoples' food systems -- Chapter 14: Marginal areas and indigenous people - Priorities for research and action -- Chapter 15: Priorities for inclusive urban food system transformations in the Global South -- Chapter 16: Secondary Cities as Catalysts for Nutritious Diets in Low- And Middle-Income Countries -- Part V: ACTIONS FOR SUSTAINABLE FOOD PRODUCTION AND RESOURCE MANAGEMENT -- Chapter 17: Boost Nature Positive Production. Chapter 18: Pathways to Advance Agroecology for a Successful Transformation to Sustainable Food Systems -- Chapter 19: A New Paradigm for Plant Nutrition -- Chapter 20: Livestock and sustainable food systems: status, trends, and priority actions --Chapter 21: The Vital Roles of Blue Foods in the Global Food System --Chapter 22: Food System Innovations and Digital Technologies to Foster Productivity Growth and Rural Transformation -- Chapter 23: Leveraging data, models & farming innovation to prevent, prepare for & manage pest incursions: Delivering a pest risk service for low-income countries -- Chapter 24: Food Systems Innovation Hubs in Low-and-Middle-Income Countries -- Chapter 25: A Whole Earth Approach to Nature Positive Food: Biodiversity and Agriculture -- Chapter 26: Water for Food Systems and Nutrition -- Chapter 27: Climate Change and Food Systems -- Chapter 28: Delivering climate change outcomes with agroecology in low- and middle-income countries: evidence and actions needed -- Chapter 29: Crop Diversity, its Conservation and Use for Better Food Systems -- Chapter 30: Safeguarding and using Fruit and Vegetable Biodiversity -- Chapter 31: Reduction of Food Loss and Waste - The Challenges and Conclusions for Actions -- Part V: COSTS, INVESTMENT, FINANCE, AND TRADE ACTIONS -- Chapter 32: The True Cost of Food – a preliminary assessment -- Chapter 33: Cost and Affordability of Preparing a Basic Meal around the World -- Chapter 34: The global cost of reaching a world without hunger: Investment costs and policy action opportunities -- Chapter 35: Financing SGD2 and Ending Hunger -- Chapter 36: Trade and Sustainable Food Systems --Part VI: Regional Perspectives -- Chapter 37: Policy Options for food system transformation in Africa and the role of science, technology and innovation -- Chapter 38: The Role of Science, Technology and Innovation for Transforming Food Systems in Latin America and the Caribbean -- Chapter 39: The Role of Science, Technology, and Innovation for Transforming Food Systems in Asia -- Chapter 40: The Role of Science, Technology, and Innovation for Transforming Food Systems in Europe -- Chapter 41: Transforming Chinese Food Systems for both Human and Planetary Health -- Chapter 42: Key Areas of the Agricultural Science Development in Russia in the Context of Global Trends and Challenges -- Chapter 43: Food System in India. Challenges, Performance and Promise -- Part VII: STRATEGIC PERSPECTIVES AND GOVERNANCE -- Chapter 44: The Role of Science, Technology and Innovation for Transforming Food Systems Globally --Chapter 45: The Bioeconomy and Food Systems Transformation --Chapter 46: In the Age of Pandemics, connecting Food Systems and Health: a Global One Health Approach -- Chapter 47: How could science—policy interfaces boost food system transformation? -- Chapter 48: The Transition Steps Needed to Transform Our Food Systems --Chapter 49: Engaging Science in Food Systems Transformation: Toward

Sommario/riassunto

Implementation of the Action Agenda of the United Nations Food Systems Summit -- Chapter 50: Science for Transformation of Food Systems: Opportunities for the UN Food Systems Summit.

This Open Access book compiles the findings of the Scientific Group of the United Nations Food Systems Summit 2021 and its research partners. The Scientific Group was an independent group of 28 food systems scientists from all over the world with a mandate from the Deputy Secretary-General of the United Nations. The chapters provide science- and research-based, state-of-the-art, solution-oriented knowledge and evidence to inform the transformation of contemporary food systems in order to achieve more sustainable, equitable and resilient systems.