EU-China FAB Task Force
26/03/2019

Healthier and Sustainable Food

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Three questions...

1. Common challenges (EU-China)
2. How R&I can address them
3. Expected impact
Common challenges for the EU and China

- Reducing food loss and waste (FLW)
- Preserving food safety and quality* throughout postharvest storage
- Reducing the use of chemicals throughout the food supply chain
- Reducing plastic packaging
- Ensuring safety of food contact materials, including packaging

*considering industry standards, and not only aesthetic attributes but flavour life, nutritional content and other aspects
Common challenges for the EU and China

• Harmonising food quality systems to avoid trade barriers
• Establishing nutrition sensitive agriculture and food systems
• Enhancing biodiversity for improved nutritional value of foodstuff
• Improving consumer awareness and changing behaviours towards healthier and sustainable diets
• Considering a systemic approach of food systems: production, storage, processing, consumers
• Encouraging multi-stakeholder cooperation
R&I needed to address these challenges

- Food loss and waste calculation methods to improve data accuracy and resolution
- Determine the drivers for FLW
- Improved methods to forecast food consumption and aligned production
- Technology to monitor and assess food quality and safety during long and short term storage, including rapid and easy to use detection tools
R&I needed to address these challenges

• Alternatives to currently used chemicals in both food production and postharvest storage stages
• Trade-off analysis of the use and non-use of chemicals
• Migration evaluation models and methods for chemical mixtures: additive effect on human health and ecosystems (including food contact materials)
• Improved risk assessment for food contact materials
• Innovative intelligent packaging that is safe and environmentally friendly
• Study impact of diverse packaging on FLW
R&I needed to address these challenges

- Improved nutrition strategies; nutrition standards for agricultural products; harmonised data bases
- Understand the market mechanisms to support nutritious high-quality food production and consumption
- New two-way communication tools on sustainable and healthy diet considering consumer and supplier perspective
- Modelling and evaluation of performance in food systems: e.g. short vs. long food supply chains
- Further support multi-actor approach
Expected impact

• Impact on the wider society which will benefit from a healthier and more sustainable diet, and a reduction in FLW

• Impact on the environment
  - Less pressure of natural resources when food is better preserved and there is less focus on increasing production
  - More resilient and nutritious new cultivars will increase the genetic resources, with its positive impact on environment but also on consumer health

• Economic benefit particularly to farmers and growers>
  - local communities by
    - Achieving storage with minimal waste
    - Delivering high-quality food product
Thanks!
谢谢！