

# Monitoring and Reporting

FAO Workshop on: Monitoring SDG 12.3.1 Global Food Loss Index  
April 26-27 2018



Food and Agriculture  
Organization of the  
United Nations



**Presenters:**

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## Outline

- Data management at country level
- FAO data collection from the countries
- Monitoring losses through the SDG framework
- Status of the SDG process



# Current State of Data and Knowledge



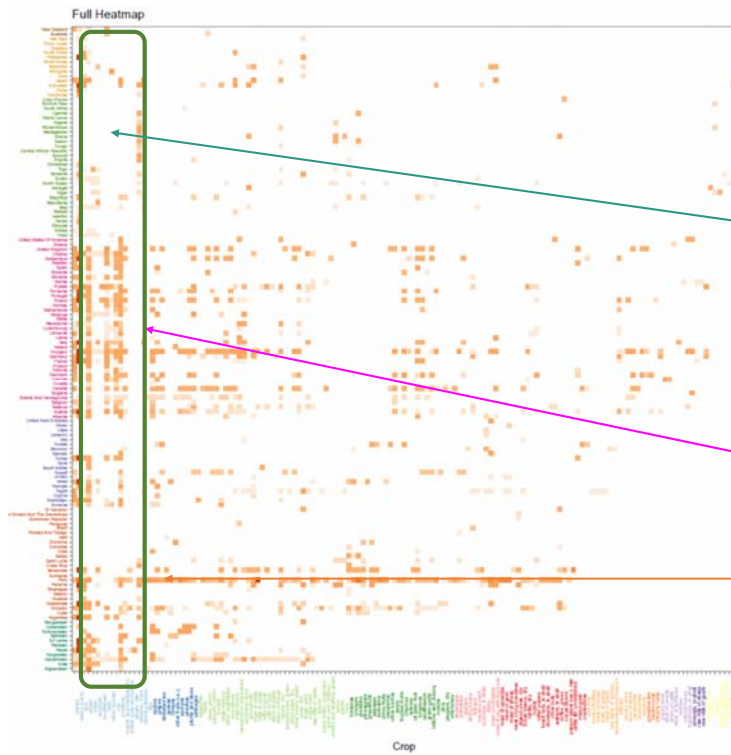
## Current status of data

4

- Loss data are collected by FAO through its agricultural production questionnaire.
- Total quantities by main products, from farm up to but excluding retail
- Provide a mechanism for aggregating subnational data to a national estimate for each country/commodity/year
  - Most data available is studies from sub-national stages
  - Comparison to the FBS/SUA National level data
  - Improve variability of data
    - Necessary in modeling estimates – difficulty modeling flat lines



# FAO's FBS data and literature review



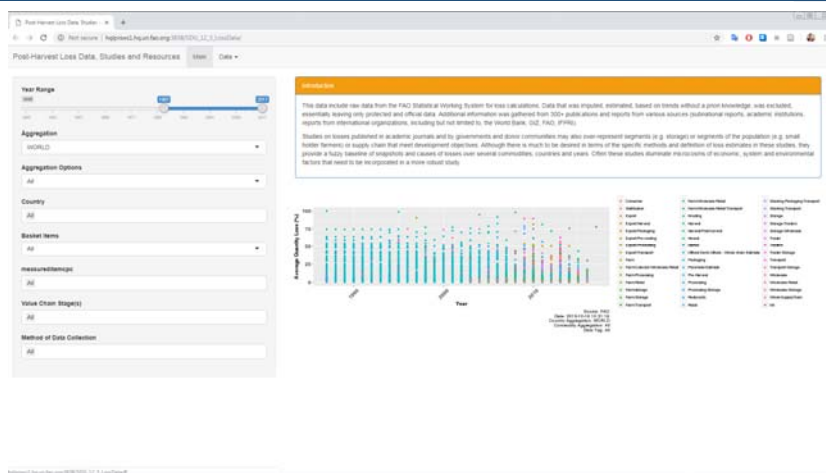
Cereals 4.4% of observations and 95.6% of estimates in the final dataset

Europe

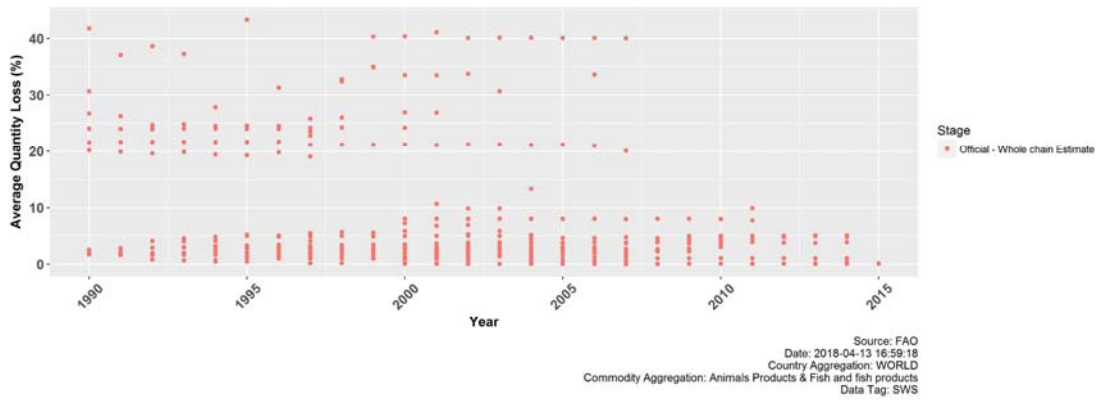
Latin America

# Database of Loss Factors

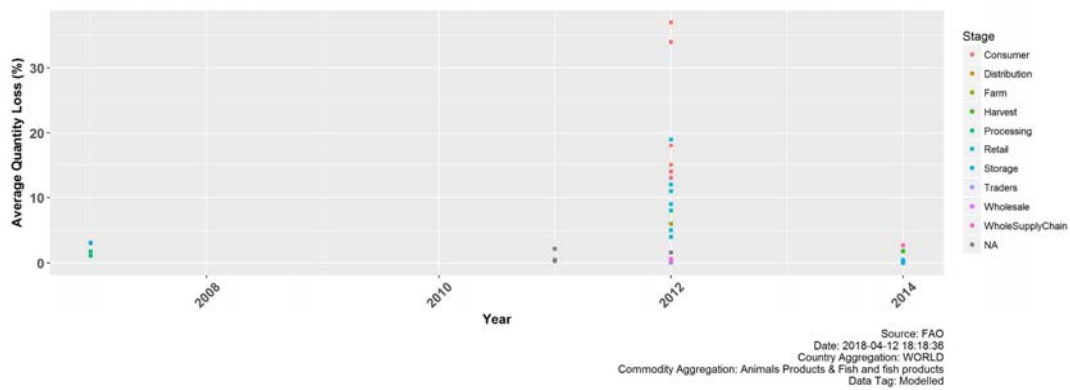
Downloadable, Searchable and sortable by stage of the value chain, year, country, commodity group, Method of data collection, etc. Includes links to original documents, where available



# Data – Official and Semi Official



# Data – Literature Review



# Summary

9

- Not all the information has been tapped yet
  - Limited access to National reports
  - Language barrier
  - Up-coming case studies and partnerships with international organizations
- Importance of increasing the evidence base
- The international model is a forced solution for the moment



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## Data Management at country level



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## Who Uses the Data?

11

- **Data producers/providers**
- **Data users** – including officials from federal and state government, politicians, researchers, NGOs working on agricultural and rural issues, the media and representatives of international agencies and development partners.
  - **Firms of all sizes and Producer Organizations** –
  - **Financing agencies**
  - **Policy Makers**
  - **International organizations, FAO, SDG**
- **Coordinating Body?**



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## Potential Activities of the Coordinating Body

12

- Data management including data collection, storage, cleaning, quality control, analysis and presentation
- Preparation/update if a medium-term strategic plan
- Design of the information system
- Review of roles and responsibilities to collect/obtain the indicators.
- Coordination of proposal for information output
- Final validation



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# FAO data collection from the countries



## FAO Data Collection for Reporting

- Regular annual Agricultural Production Questionnaires
  - Section on Utilizations of main commodities
  - Asking for loss quantities
  - Technical assistance to countries to strengthen national statistics
- New data collection effort on losses
  - All available sources and information
  - Including metadata
  - FAO is working to provide reporting avenues and to engage with private sector entities
- SDG reporting
  - Countries drive many of the FLI decisions: basket of goods, loss percentages, validating estimates



# FAO data collection - Agricultural Production Questionnaires

Example: Afghanistan, 2016

COMMODITY		ELEMENT		2014	2015	2016
0111	Wheat	Food	t	4,461,000	4,570,000	4,721,000
		Seed	t	349,000	298,000	371,000
		Feed	t			
		Loss	t	803,000	701,000	684,000
		Industrial Utilization	t			



# FAO data collection - Additional data collection

- Each country has a Excel file of the existing loss factors that were available in their packet of supplemental materials for the training
- The new data collection tool follows this structure and is available for discussion
- Metadata will also be collected

COMMODITY	ELEMENT	Region	Year	Percentage Loss	Loss Quantity	Loss Qualitative	Loss Monetary	Activity	Food Supply Chain Location	Period of Storage	Treatment	Cause of Loss





# SDG Reporting

- Will start when the indicator will be up-graded to Tier II
- As a custodian agency, FAO will report
  - The annual calculation of the FLI by country
  - The regional aggregates based on the SDG Groupings
  - The Global Food Loss Index
- FAO objectives are to work with countries to make sure that the baskets are set, the loss percentages are best available (with the expectation that country data collection moves to sample surveys)



## Status of the SDG process



# Current Status and Goal

- Goal : Upgrade SDG 12.3 indicators to Tier II
  - **By November 2018**: Joint proposal for a Food Loss Index and Food Waste Index at next Inter-Agency Expert Group meeting on SDG's
- Current Status is Tier III
  - Global Food Loss Index: request for more pilot tests by the IAEG-SDG
  - Food Waste Index: not available yet



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## SDG Progress on 12.3

20

- FAO put the Food Loss Index/Global Food Loss Index for consideration to the IAEG-SDG in November 2017
- The main areas that still needed work in order to upgrade the indicator:
  - The Food Waste Index is still under development (UN Environment) but the methodology needs to be presented, along with a strategy to aggregate the GFLI & GFWI
  - More pilots in country
    - Calculation of the FLI by countries with data
    - Feasibility of measurement guidelines on non-grain commodities
- Re-submission will be in 2018



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# FAO Technical Support to Countries

21

- Regional workshops and e-learning course to transfer knowledge to regional and national partners on the recommended methods, as well as on SDG 12.3 reporting and monitoring
- Support countries in the implementation of the recommended PHL survey guidelines and estimation methods through capacity development projects
- Strengthen the data-driven component of other FAO or international partners projects



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## Resources

22

- The following resources of specific interest to this indicator are available:
- FAOSTAT, food and agriculture related data:
  - <http://www.fao.org/faostat/en/#data>
- Global Strategy for Agriculture and Rural Statistics (GSARS):
  - <http://gsars.org/en/>
- Food Loss Analysis E-learning course
  - <http://www.fao.org/food-loss-reduction/news/detail/en/c/1111076/>
- Guidelines on the measurement of harvest and post-harvest losses
  - <http://gsars.org/wp-content/uploads/2018/04/GS-PHL-GUIDELINES-completo-03-002.pdf>
- Training Course on Post-Harvest Losses
  - In English <http://gsars.org/en/training-course-on-post-harvest-losses-english/>
  - In French <http://gsars.org/en/training-course-on-post-harvest-losses-french/#more-3949>
- Additional links
- FAO – SDG portal
  - <http://www.fao.org/sustainable-development-goals/indicators/1231/en/>
- Community of practice (CoP)
  - <http://www.fao.org/food-loss-reduction/en/>
  - <http://www.fao.org/platform-food-loss-waste/food-loss/definition/en/>
- Malabo Declaration
  - <http://www.fao.org/food-loss-reduction/news/detail/en/c/250883/>
- Champions 12.3 - a group of leaders dedicated to inspiring ambition among peers, mobilizing action, and accelerating progress toward achieving SDG Target 12.3
  - <https://champions123.org/>
- FUSIONS (EU) on food waste
  - <https://www.eu-fusions.org/>



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CONSUMPTION  
AND PRODUCTION



# Questions?



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12 RESPONSIBLE  
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For more information on the SDG indicator and all things presented in this workshop, please contact the following people:

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