

Activities deduced from MACS-G20 Collaboration Initiative on Food Losses & Waste

Stefan Lange, Felicitas Schneider

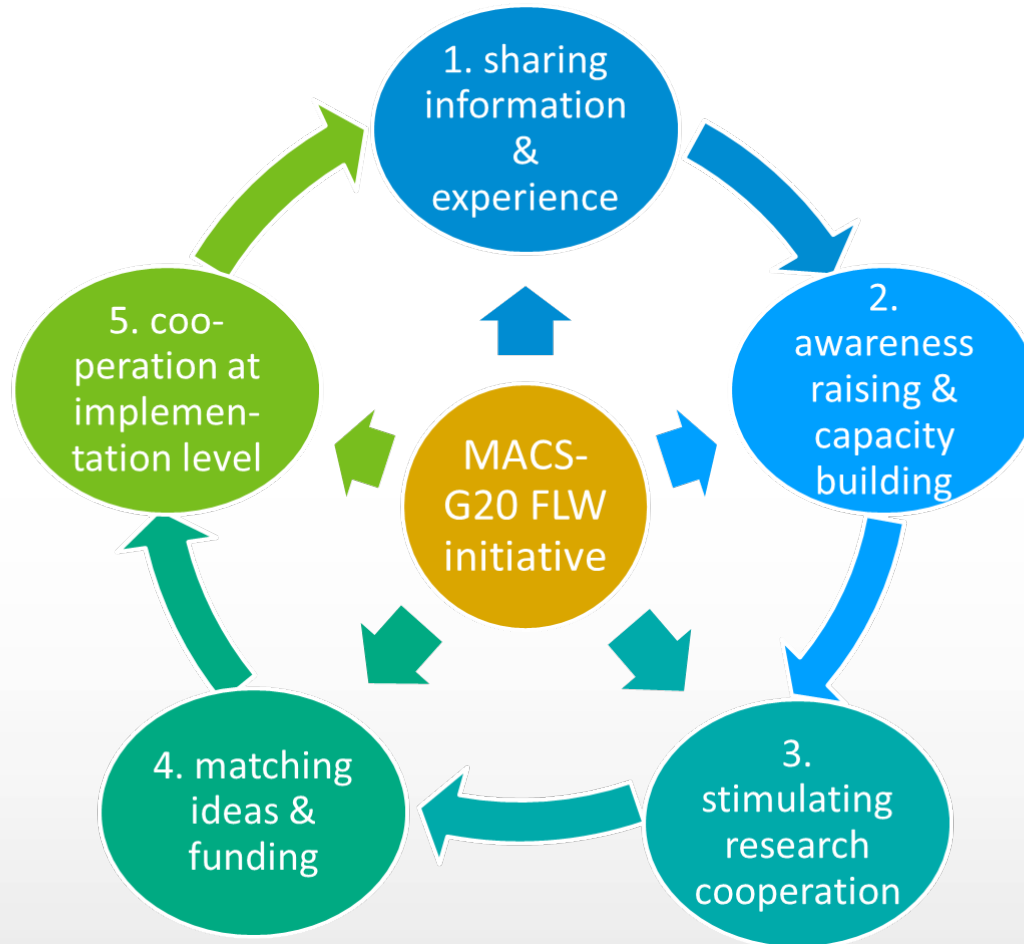
Thünen Institute, Braunschweig, Germany



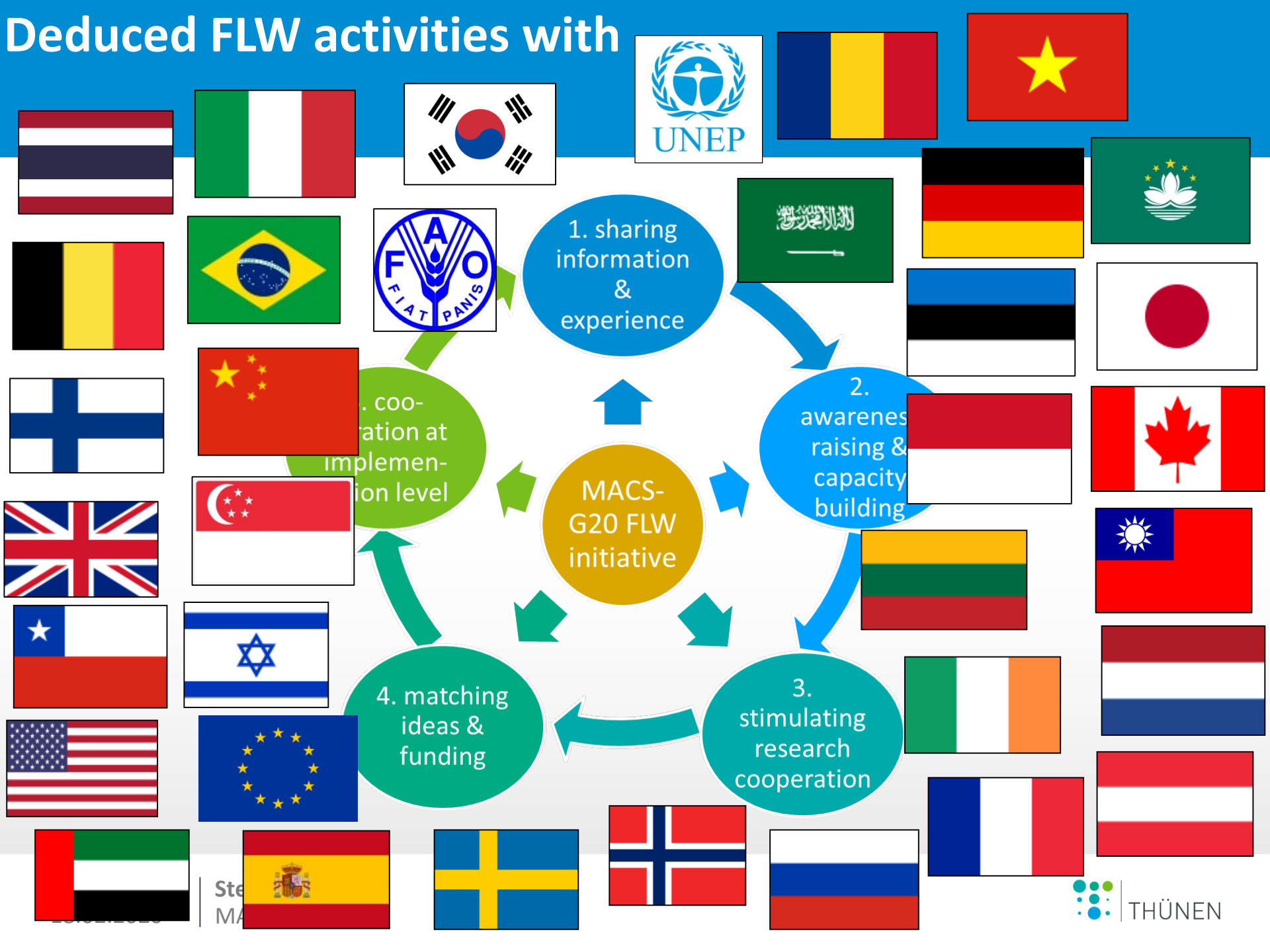
Photo: Tania Runge

MACS-G20 2020, Khobar, Saudi Arabia
February 18th, 2020

Deduced FLW activities



Deduced FLW activities with



Global Food Loss & Waste Research Platform (www.global-flw-research.org)

FOOD LOSSES & FOOD WASTE

A global platform for experts and research



An initiative of the Meeting of Agricultural Chief Scientists of G20 States (MACS-G20) - in 2017 under presidency of the Federal Republic of Germany



FIND EXPERTS

FIND PROJECTS

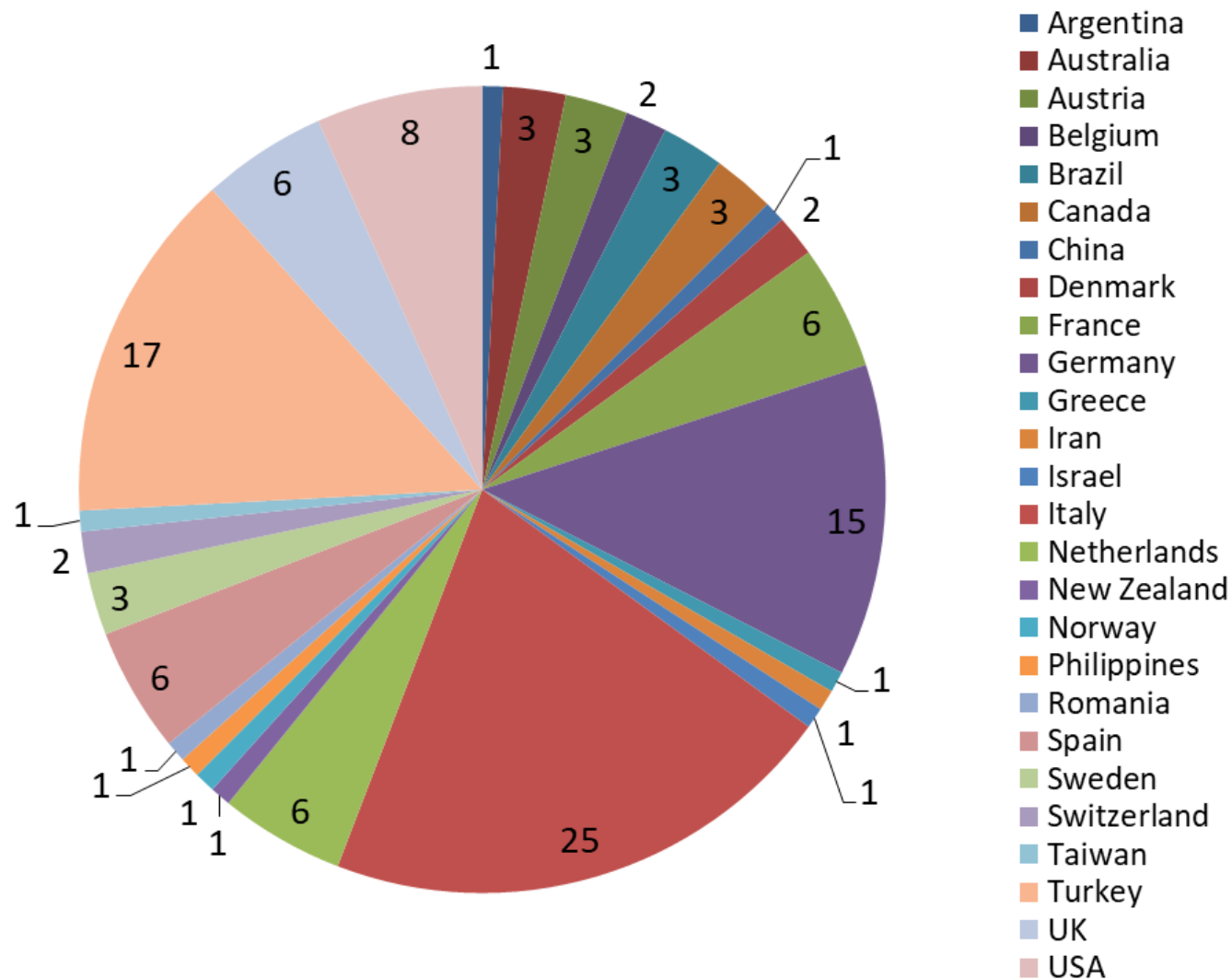
EXPERT & PROJECT ENTRY

IMPRINT

Take part in the global research network on reduction of food losses & food waste –
be part of the solution!

1. sharing
information
&
experience

120 experts coming from 26 countries



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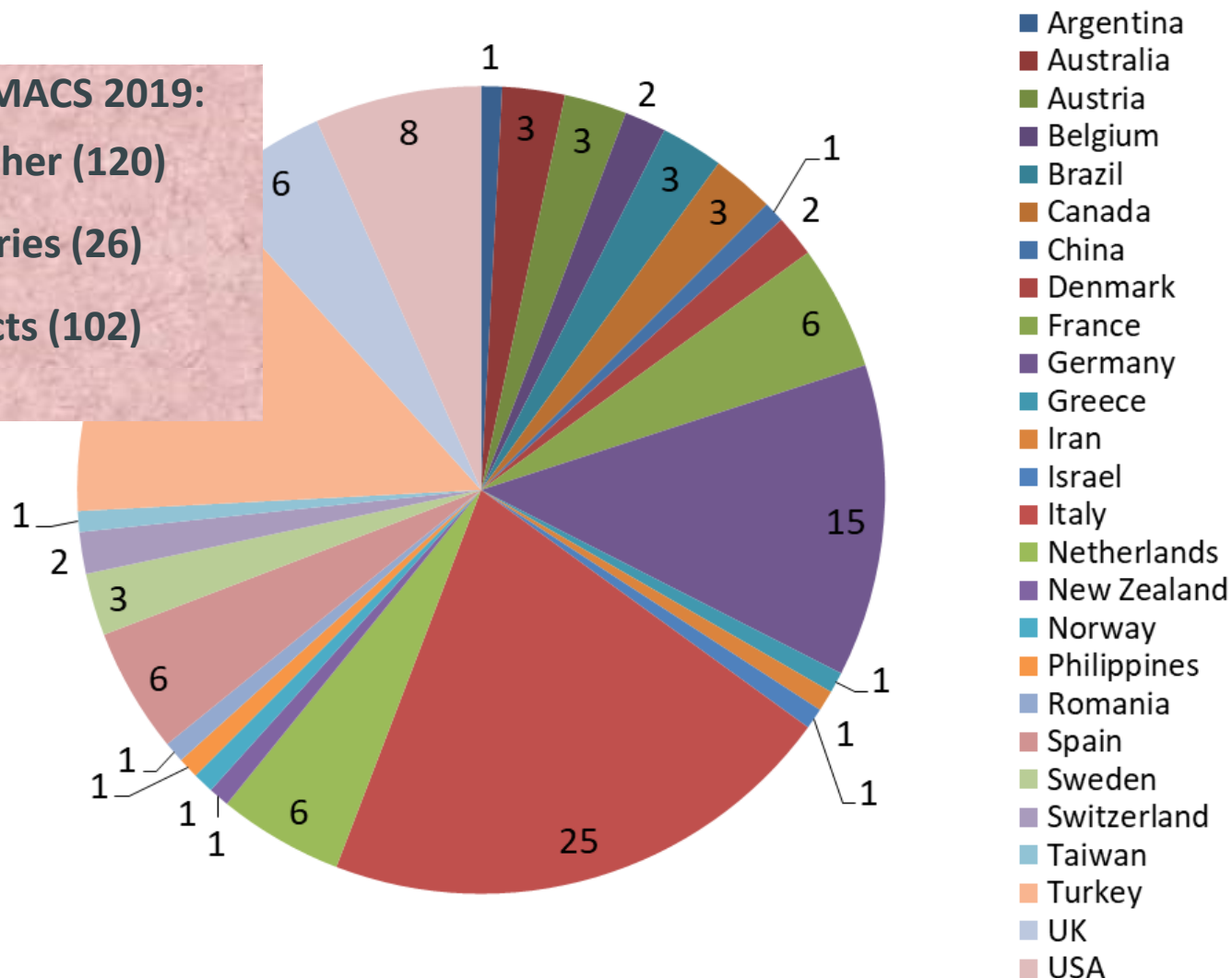
120 experts coming from 26 countries

Increase since MACS 2019:

+ 8 % researcher (120)

+ 18 % countries (26)

+ 12 % projects (102)



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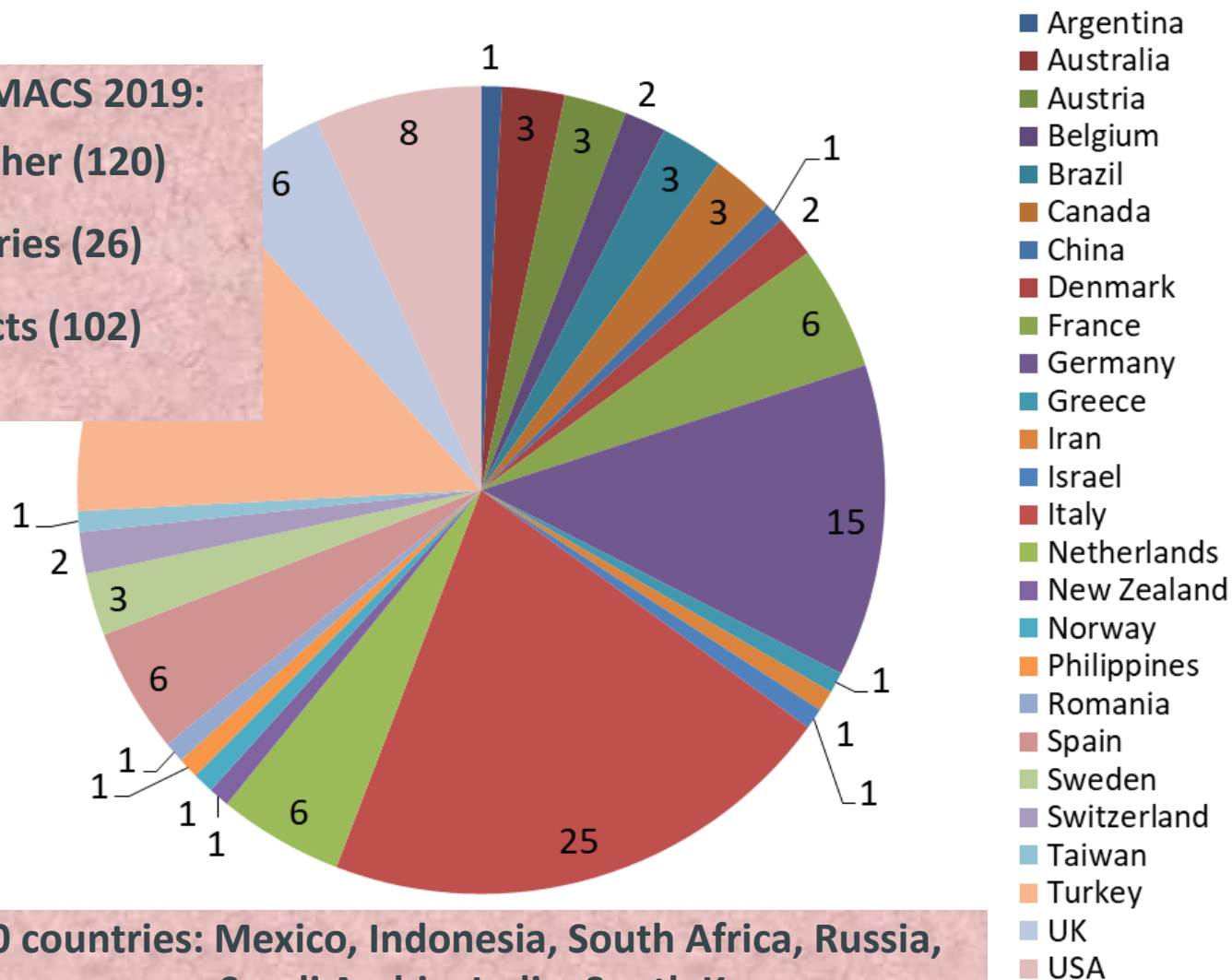
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Still missing G20 countries: Mexico, Indonesia, South Africa, Russia, Saudi Arabia, India, South Korea

Series of FLW related workshops

- 3rd workshop October 16th-18th 2019 in Japan with target group Southeast and East Asian countries
- in cooperation of Ministry of Agriculture, Forestry and Fisheries of Japan, FAO Liaison Office Japan, UNEP and Thünen Institute
- 78 participants from 10 Southeast and East Asian countries



Photo: F. Schneider



Photo: F. Schneider



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Photo: MAFF

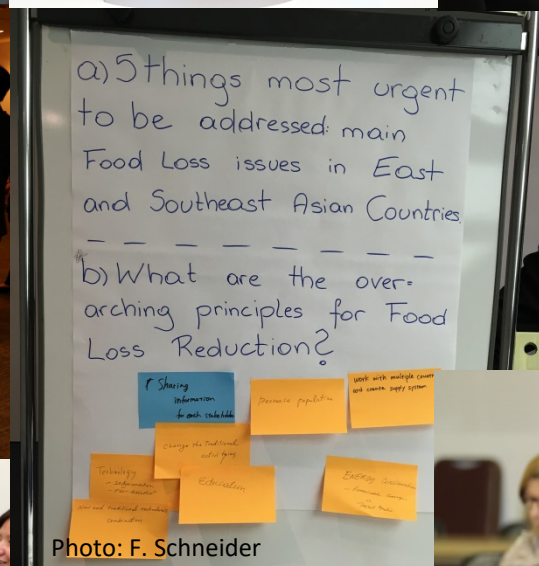


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- **4th workshop scheduled for September/October 2020 in Saudi Arabia with target region “Gulf council countries & Yemen”**

International Day of Awareness of FLW

- Argentina submitted proposal towards UN in 2018
- on December 19th, 2019 UN General Assembly designated

**September 29th as International Day of
Awareness of Food Loss and Waste**

Cooperation with Brazil



- exchange of research results between Embrapa and Thünen Institute
- organisation of joint mini-symposium “Food losses and waste mitigation: a Latin American perspective” at Global Food Security Conference in June 2020 in Montpellier/France
- preparation of MoU between Embrapa and Thünen Institute for in-depth FLW-related cooperation in the future

Cooperation with Russia



- utilisation of shared FLW knowledge by hosted fellow Mr. Rykalin from Lomonosov Moscow State University in Russian language for further facilitation of FLW prevention research in Russia
- second capacity building with Ms. Kosterina in July 2019 with focus on FLW accounting on national level and sector-related
- German Chancellor Fellowship for Prospective Leaders („Zero Food Waste Lab“) finished – results published soon

Cooperation with Canada



- “Implementation of a technology platform to develop sustainable strategies in order to reduce Food Loss and Waste across the continuum of food distribution in Canada”
- core project activities will be achieved by Saint-Hyacinthe Research and Development Centre (part of AAFC)
- “Circular Agri-Food Systems” concept will be developed and implemented, achieving reduction of FLW & pollution & environmental footprint while optimizing value-addition to Canadian grown commodities
- Thünen Institute acts as facilitator for results transfer

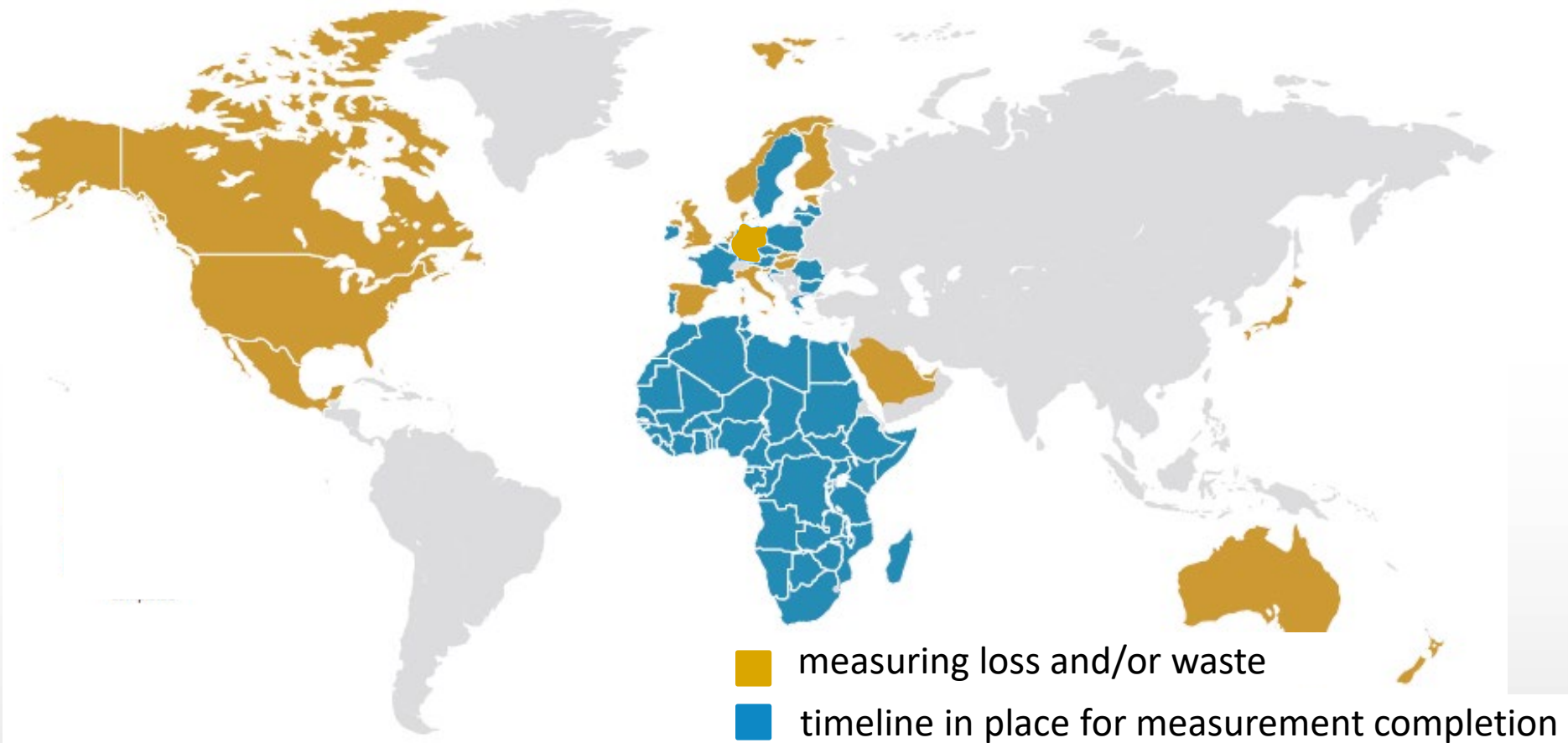
EIP-AGRI focus group „Reducing food loss on the farm“ (target region Europe)



- five mini-papers expected targeting best practice towards
 1. implementation of optimized pre- and post-harvest handling
 2. design of new business models and relationships to market misshaped and surplus food
 3. to develop non-food products from by-products
 4. to enhance knowledge and information for European farmers
 5. Potential of ICT for reducing on-farm food loss
- practical outcomes for European farmers, recommendation towards operational groups expected for early 2020 available at EIP-AGRI website

Countries and Regions measuring FLW

as of September 2019



How we as MACS-G20 can support FLW reduction

1. Support / push national efforts to establish national FLW measurement & monitoring
2. partnerships among advanced and less advanced G20 members and non-members in terms of setting up baselines, monitoring, measurement and reduction procedures (MACS-G20 Initiative on FLW as broker)
3. Suggestion to mention FLW topic in G20 leaders declaration (after 5 years of mentioning in G20 Ag Ministers communiqué)
4. please use and spread information related to Global Food Loss and Waste research Platform (www.global-flw-research.org)

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Photo: Felicitas Schneider



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