Global FLW Research Platform – lessons learned & how to shape MACS collaboration beyond 2017
Outline

- Global FLW Research Platform: Context – Objectives - Implementation
- Outlook I: Completion of Global FLW Research Platform by MACS
- Outlook II: MACS Consolidation
- Outlook III: Preparation of German G20 presidency 2017
Context: task referring to MACS Communiqué 2015:

- Preliminary mapping of existing science & technology activities related to FLW (managed by Germany plus several G20 countries)
- Coordination of MACS mapping with “Technical Platform on the Measurement and Reduction of Food Loss & Waste” (FAO)

Primary objective of MACS mapping on FLW:

- Providing a survey on existing FLW research activities as contribution to
  - enhanced information sharing
  - coherent coordination of potential joint MACS/G20 activities in the future
Global FLW Research Platform – Features

- Usable in the long term
- Online-tool with versatile functions
- Recording FLW projects + experts
- Global approach
Global FLW Research Platform – Implementation

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 2016 under presidency of the People’s Republic of China

Take part in the global research network on reduction of food losses & food waste – be part of the solution!
Global FLW Research Platform – Implementation

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Global FLW Research Platform – „FIND EXPERTS“

- FLW monitoring approaches
- FLW avoiding technologies
- Governance approaches / policy instruments
- Prevention / reduction approaches in the economy sectors
Global FLW Research Platform – „FIND EXPERTS“

- **Research area**: all
- **Sector focus**: all
- **Product focus**: all
- **Free text search**: 

50 experts found

**Primary production**
- Crop production
- Post harvest / storage
- Processing, packaging
- Retail and markets
- ...

**Consumption**
- Private household
- Canteen kitchen, schools
- Restaurants, catering
- ...

Federal Ministry of Food and Agriculture
Global FLW Research Platform – „FIND EXPERTS“

- Meat
- Milk, dairy products
- Cereal products
- Vegetables
- Processed / compound products
- ...

Research area: all
Sector focus: all
Product focus: all
Free text search

50 experts found
Global FLW Research Platform – „FIND PROJECTS“

Possible search criteria:
- regional focus (e.g. Asia, Europe, Oceania …)
- individual countries (from Afghanistan to Zimbabwe)

identical to „FIND EXPERTS“
Global FLW Research Platform – present entries

Expert profiles:

50 Experts from 12 countries: Australia, Austria, Canada, China, France, Germany, Italy, Netherlands, Spain, Turkey, UK, USA

Research activities / Projects:

50 research approaches
- global scale
- regional scale (Europe, Oceania and Africa)
- individual countries (Argentina, Australia, Austria, France, Germany, Italy, Ireland, Spain, Turkey, UK, USA)
Existing linkage to:

„Technical Platform on the Measurement and Reduction of Food Loss and Waste“ of FAO

Further linkages scheduled
Outlook I: Completion of www.global-flw-research.org

Challenge: A single country can’t complete FLW platform globally & keep it up-to-date!

Conclusion: We need interaction & collaboration across countries & regions!

Solution:

- **Germany** guides voluntary group of “FLW focus countries“ which mobilise countries/partners in their respective region to feed into www-global-flw-research.org

- **Regions:**
  - Europe (volunteer: Germany)
  - Volunteers needed for:
  
  South America, Northern & Central America,
  Middle East / South-Eastern Asia,
  Far East, Africa, Oceania
Outlook I: Utilization of www.global-flw-research.org in the future

Key objectives of www.global-flw-research.org:

- Provide global information on FLW experts and up-to-date FLW research activities
- Facilitate a reliable coordination mechanism for joint MACS activities in the future

German contribution on the way forward (proposal):

1. Comprehensive analysis of registered research data (*first half 2017*)
2. Workshop of MACS partners interested in joint FLW action (identifying research & implementation needs, debate on joint action etc., *prior to MACS 2017*)
3. Secretariat function for administrative management
Outlook II: MACS consolidation

Global FLW Research Platform

= only one example for a promising collaboration approach under the auspices of MACS

Since 2012 MACS has processed further key activities ("work packages"):

• agricultural productivity and sustainability
• sharing research priorities and prioritisation models
• working group on animal diseases and high priority vaccines

Challenge:

Need to consolidate MACS format itself (including existing work packages)
Entry point:

- Pre-condition for successful MACS activities – joint vision & strategic approach (feeding into overall G20 process & linking agricultural science policy and practice)

MACS should strive for 3 primary goals related to agricultural research, science & innovation under G20:

1. Being a key “katalyst” & “facilitator “of decisions made by G20 Agricultural Ministers, together with international organizations

2. Providing an enabling framework & suitable mechanisms for mutually agreed joint activities (“work packages”)

3. Building on existing successful initiatives to establish “Global Research Collaboration Platform” (GRCP) models over time
Outlook III: Preparation of German G20 presidency

Key Topic for MACS/G20 & GFFA 2017 in GER: „Agriculture & Water“

Linkages with previous & current MACS topics:

• Efficient water use - crucial for “Transformational productivity & sustainability lift” (2014)
• Loss of 300 km3 irrigation water per annum due to “Food Losses & Waste“ (2015)
• Dealing with water scarcities and contaminations requires “Technology, Innovation & Knowledge Sharing” (2016)

Upcoming „water“ initiatives could build on existing MACS activities
Outlook III: German G20 presidency 2017 – ideas for MACS

MACS related activities planned for 2017:

• Continued maintenance and completion of Global FLW Research Platform; using FLW platform as a building block („pilot“) for broader GRCP approach

• Workshop on joint FLW action & way forward – see above (prior to MACS 2017)

• Workshop „Open Data for Agriculture and Nutrition“ – conducted by Association for Technology and Structures in Agriculture (KTBL) in collaboration with GODAN (March/April 2017); consideration of potential linkages with other G20 initiatives

• MACS 2017 (dates tbc): progress made & way forward
Welcome to MACS 2017 in Germany!

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