

# 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**



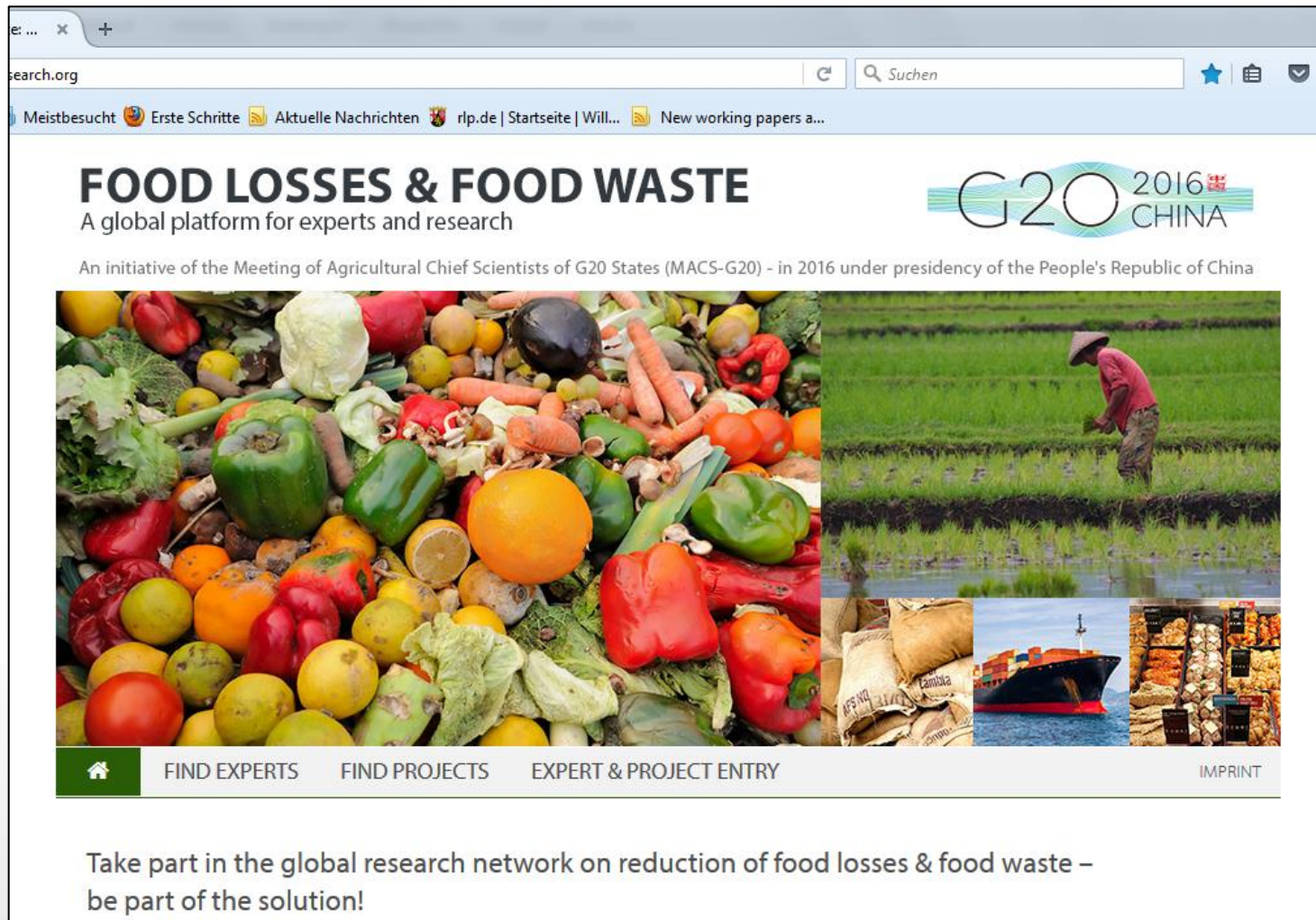
**Recording FLW  
projects + experts**



**Global approach**



# Global FLW Research Platform – Implementation



The screenshot shows a web browser displaying the homepage of the Global Food Losses & Food Waste (FLW) Research Platform. The browser's address bar shows 'search.org'. The page features a search bar with the text 'Suchen' and a navigation menu with links: 'Meistbesucht', 'Erste Schritte', 'Aktuelle Nachrichten', 'rlp.de | Startseite | Will...', and 'New working papers a...'. The main heading is 'FOOD LOSSES & FOOD WASTE' with the subtitle 'A global platform for experts and research'. Below this, it states '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'. The G20 2016 CHINA logo is visible. The central image is a collage: the left side shows a pile of fresh produce (peppers, tomatoes, oranges, etc.), and the right side shows a person working in a rice field. Below the collage are four smaller images: a sack of rice, a cargo ship, and a stack of food products. The navigation bar at the bottom includes a home icon, 'FIND EXPERTS', 'FIND PROJECTS', 'EXPERT & PROJECT ENTRY', and 'IMPRINT'. A call to action at the bottom reads: 'Take part in the global research network on reduction of food losses & food waste – be part of the solution!'.

**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

G20 2016 CHINA

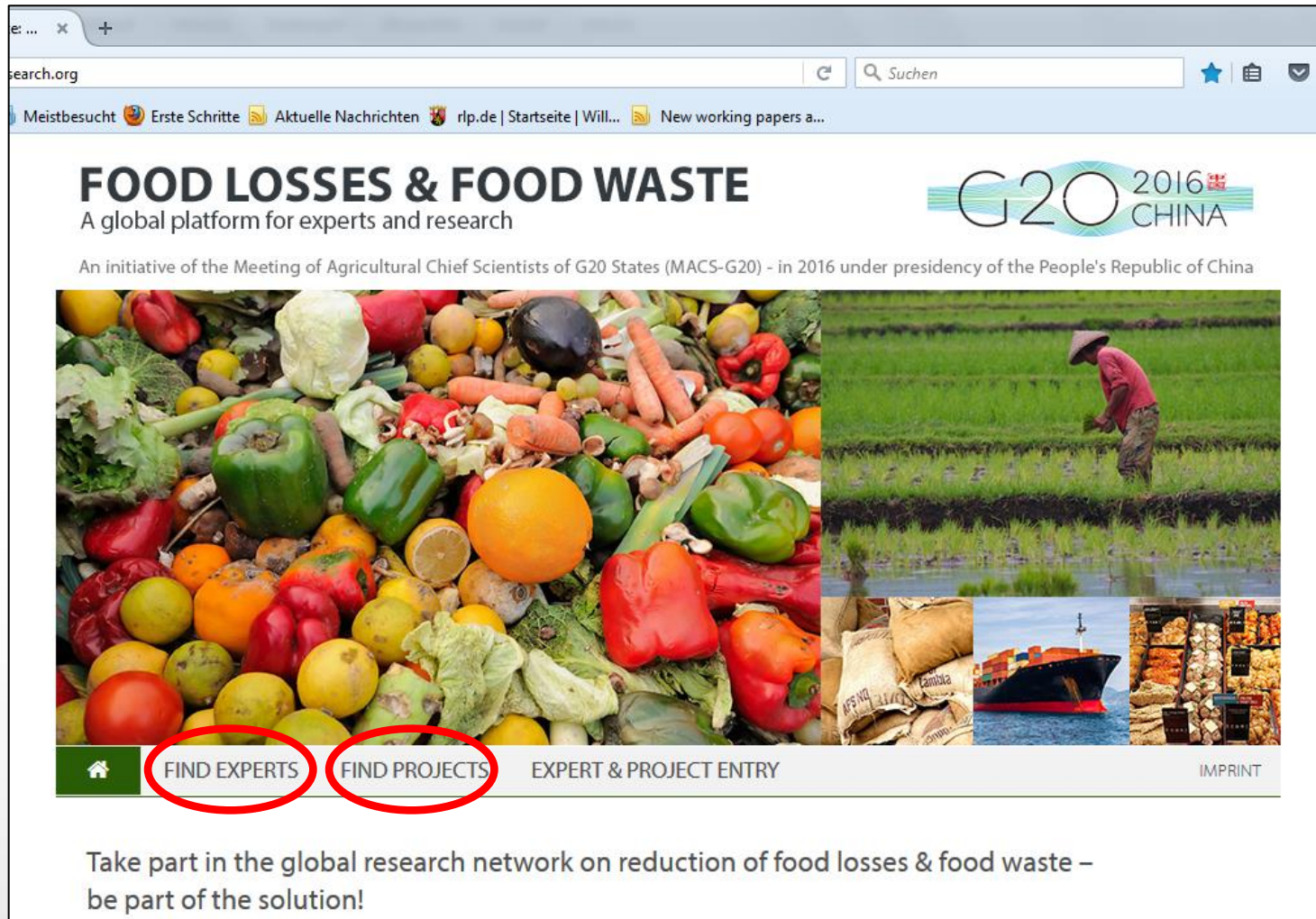
Meistbesucht Erste Schritte Aktuelle Nachrichten rlp.de | Startseite | Will... New working papers a...

Home 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!



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**FOOD LOSSES & FOOD WASTE**  
A global platform for experts and research

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G20 2016 CHINA

HOME 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!

# Global FLW Research Platform – „FIND EXPERTS“

Research area

Sector focus

Product focus

Free text search

50 experts found

- **FLW monitoring approaches**
- **FLW avoiding technologies**
- **Governance approaches / policy instruments**
- **Prevention / reduction approaches in the economy sectors**

# Global FLW Research Platform – „FIND EXPERTS“

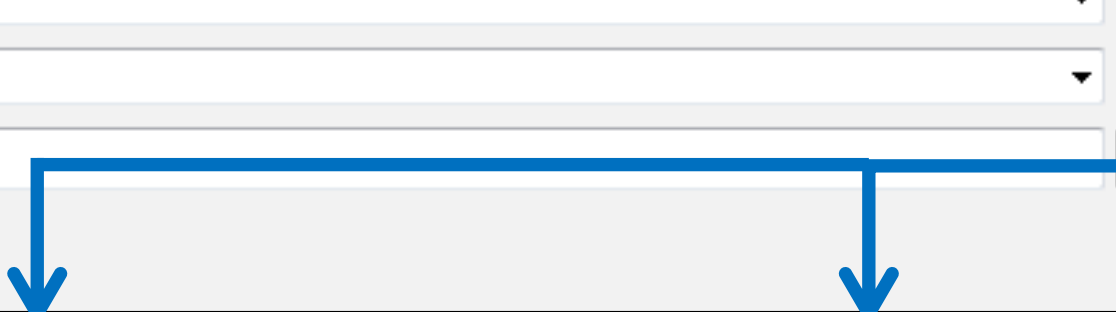
Research area

**Sector focus**

Product focus

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
- ...



# Global FLW Research Platform – „FIND EXPERTS“

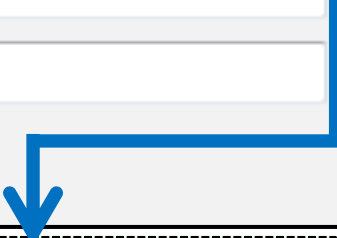
Research area

Sector focus

**Product focus**

Free text search

50 experts found

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

# Global FLW Research Platform – „FIND PROJECTS“

The screenshot shows a search interface with four dropdown menus, each with 'all' selected. The first three dropdowns are labeled 'Research area', 'Sector focus', and 'Product focus' and are highlighted with green boxes. The fourth dropdown is labeled 'Regional focus' and is highlighted with a red box. Below these is a 'Free text search' input field and a 'Search' button. Three green arrows point from the first three dropdowns to a box on the left, and two red arrows point from the 'Regional focus' dropdown and the 'Search' button to a box on the right. The text '50 projects found' is visible at the bottom left of the interface.

Research area all

Sector focus all

Product focus all

Regional focus all

Free text search

Search

50 projects found

identical to „FIND EXPERTS“

Possible search criteria:

- regional focus (e.g. Asia, Europe, Oceania ...)
- individual countries (from **A**fghanistan to **Z**imbabwe)

# Global FLW Research Platform – present entries

## Expert profiles:

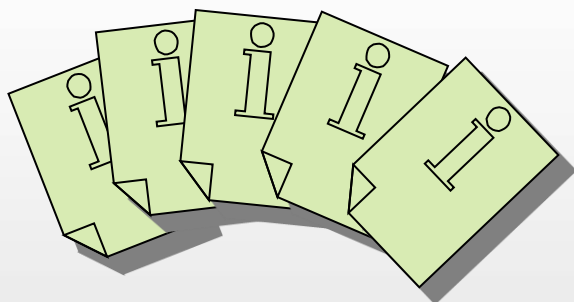
**50 Experts from 12 countries:** Australia, Austria, Canada, China, France, Germany, Italy, Netherlands, Spain, Turkey, UK, USA



## 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)



# Linkages of [www.global-flw-research.org](http://www.global-flw-research.org)

**Food and Agriculture Organization of the United Nations**

Google Custom Search

About FAO | In Action | Countries | Themes | Media | Publications | Statistics | Partnerships

English Français Español العربيةРусский 中文

## Technical Platform on the Measurement and Reduction of Food Loss and Waste

Home Background Food loss **Food waste** News and events Governance

### Food waste

Food loss is defined as "the decrease in quantity or quality of food". Food waste is part of food loss and refers to discarding or alternative (non-food) use of food that is safe and nutritious for human consumption along the entire food supply chain, from primary production to end household consumer level. Food waste is recognized as a distinct part of food loss because the drivers that generate it and the solutions to it are different from those of food losses. (FAO, 2014)

Each year, an estimated one-third of all food produced for human consumption is lost or wasted world-wide. FAO estimates indicate that the per capita food waste at consumer level in Europe and North-America is 95-115 kg/year while in sub-Saharan Africa and South/Southeast Asia is 6-11 kg/year. (FAO, 2011)

**FOOD WASTE**

**CFS** Committee on World Food Security (CFS)  
COMMITTEE ON WORLD FOOD SECURITY  
CFS called on all public, private and civil society actors to create an enabling environment based on the **hierarchy of "food use-not-loss-or-waste"** especially for monitoring and measurement targets.

**initiative SAVE FOOD** Solutions for a world aware of its resources  
Global Initiative on Food Loss and Waste Reduction

The **Global Initiative on FLW Reduction** collaborates with the public sector, private sector and civil society for concrete solutions through: i) Advocacy and awareness raising; ii) Collaboration and coordination of world-wide initiatives on food loss and waste reduction; iii) Research to evidence for policy, strategy, legislation and standards development; iv) Support to investment programmes

**FLW Research Platform of MACS-G20**

- **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](http://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](http://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](http://www.global-flw-research.org) in the future

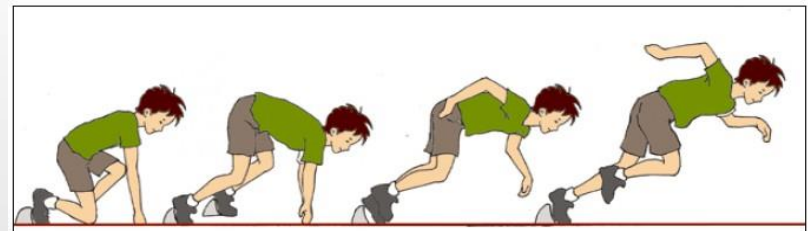
### Key objectives of [www.global-flw-research.org](http://www.global-flw-research.org):

- 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)

# Outlook II: MACS consolidation

## 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 km<sup>3</sup> 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

# Contact:

## Welcome to MACS 2017 in Germany!

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