AFRICA FOOD SYSTEMS FORUM

Digital Agri Hub

Cultivating Tomorrow's Agriculture:

Your Ultimate Digital Solutions Reference Hub

Hosted and maintained by Wageningen University and Research
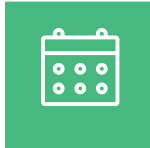
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Agenda

- Current challenges for D4Ag adoption

- Who we are

- Why Digital Agri hub?

- Our offerings

- Our alliances & partners

- Digital innovation ecosystem in Africa – open innovation platforms

- Join the Digital Agri hub community

- Call to action: Climate Smart Agriculture (CSA)

Challenges for D4Ag mainstreaming / adoption.

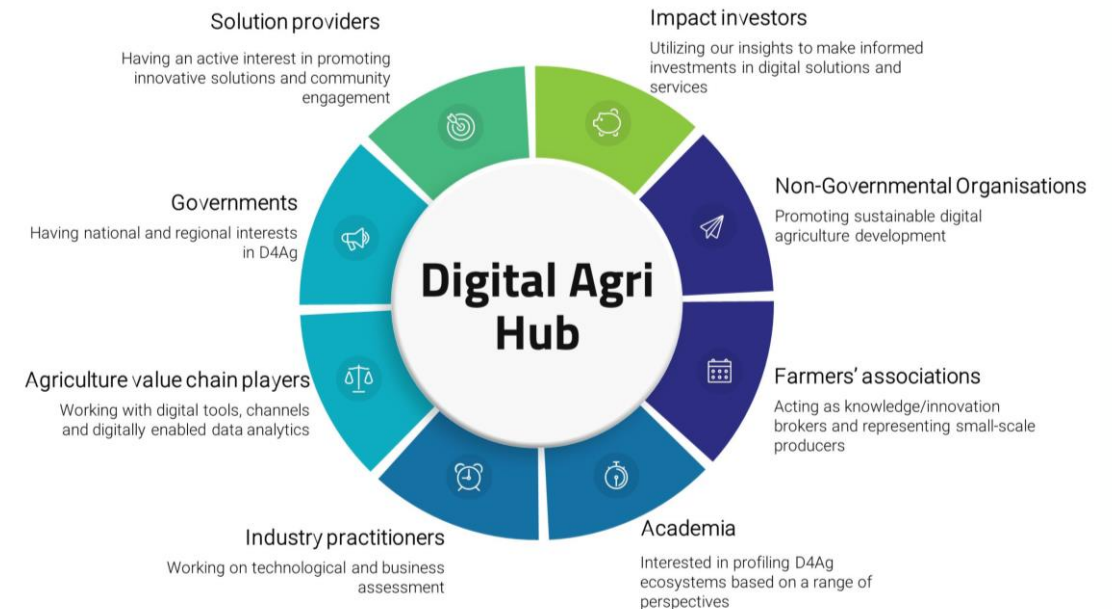- Fragmentation
- Lack of impact metrics
- Technology push
- Rapid developments

Who we are

Digital Agri Hub tracks the evolution of the digital agriculture (D4Ag) ecosystem in low- and middle-income countries.

- ❖ Regularly publishes curated information on digital solutions to generate new insights

- ❖ Acts as a multi-actor data and knowledge broker,

- ❖ Focuses on leveraging inclusive digital solutions for development and provides unique perspectives for adopting or investing in digital agricultural innovations.

- ❖ Nurtures and animates a network of people dealing or interested in digitalization for agriculture

Solution providers
Having an active interest in promoting innovative solutions and community engagement

Impact investors
Utilizing our insights to make informed investments in digital solutions and services

Governments
Having national and regional interests in D4Ag

Non-Governmental Organisations
Promoting sustainable digital agriculture development

Digital Agri Hub

Agriculture value chain players
Working with digital tools, channels and digitally enabled data analytics

Farmers' associations
Acting as knowledge/innovation brokers and representing small-scale producers

Industry practitioners
Working on technological and business assessment

Academia
Interested in profiling D4Ag ecosystems based on a range of perspectives

Digital Agri Hub

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Why the Digital Agri Hub?

- We provide a reliable source of emerging, innovative **D4Ag technologies and solutions** across the entire agrifood system

- We offer evidence- and impact-based information and **insights for decision-makers** and potential investors that support small-scale producers

- We support the existing D4Ag ecosystem through **knowledge brokering, stakeholder engagement and advisory**.
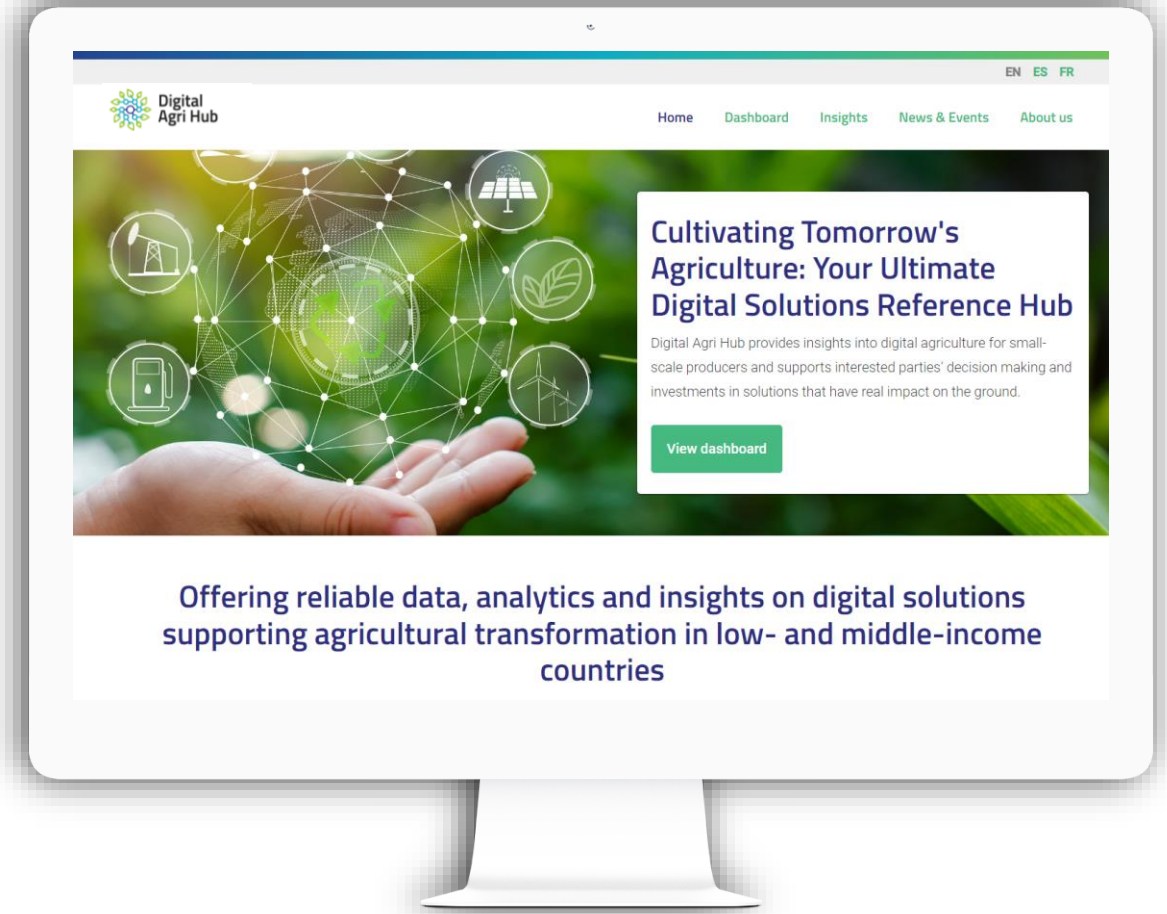
Our offerings

Crowdsourced and curated 1200+D4Ag solutions database and dashboard

A repository of verified digital agriculture services in LMICs

Knowledge products on an inclusive, climate-resilient agri-food system through sustainable D4Ag innovations
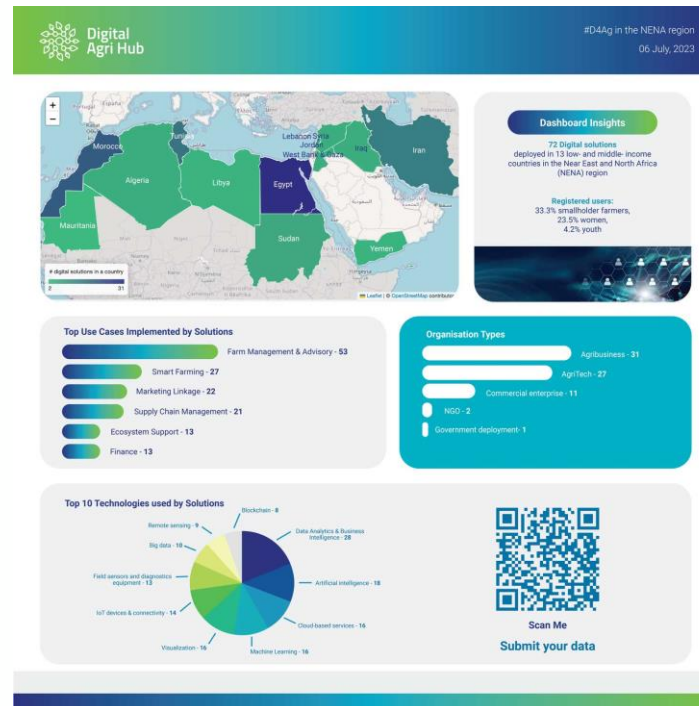
Data and insights – global coverage

Global landscape

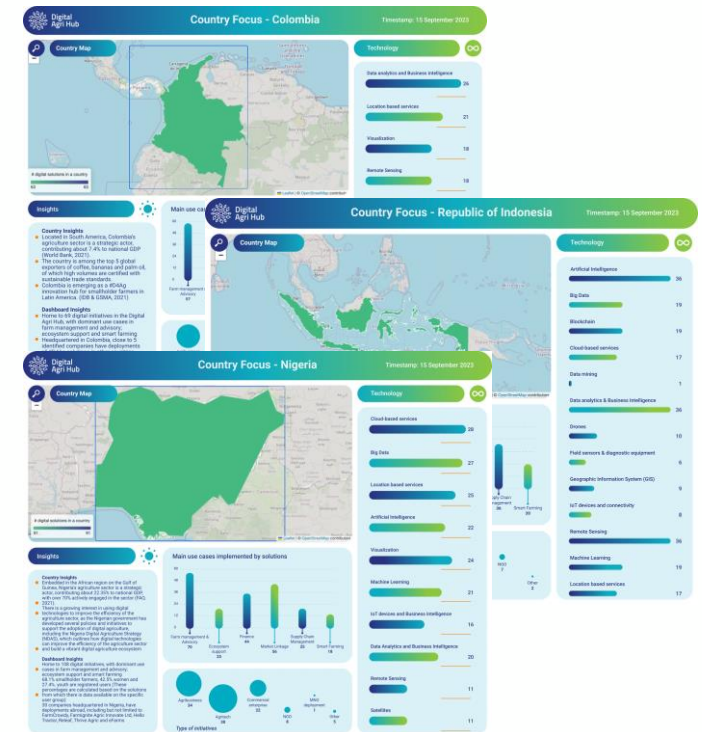For Islamic Development Bank; 50 out of 57 member states that are LMICs
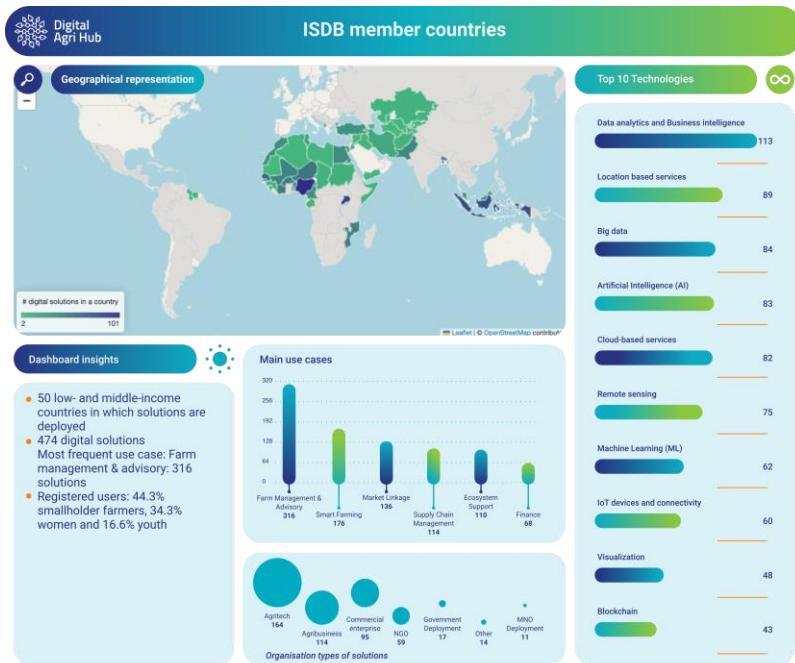
Region analysis

For FAO SOFA regions; D4Ag solutions deployed in the Near East and North Africa (NENA) region
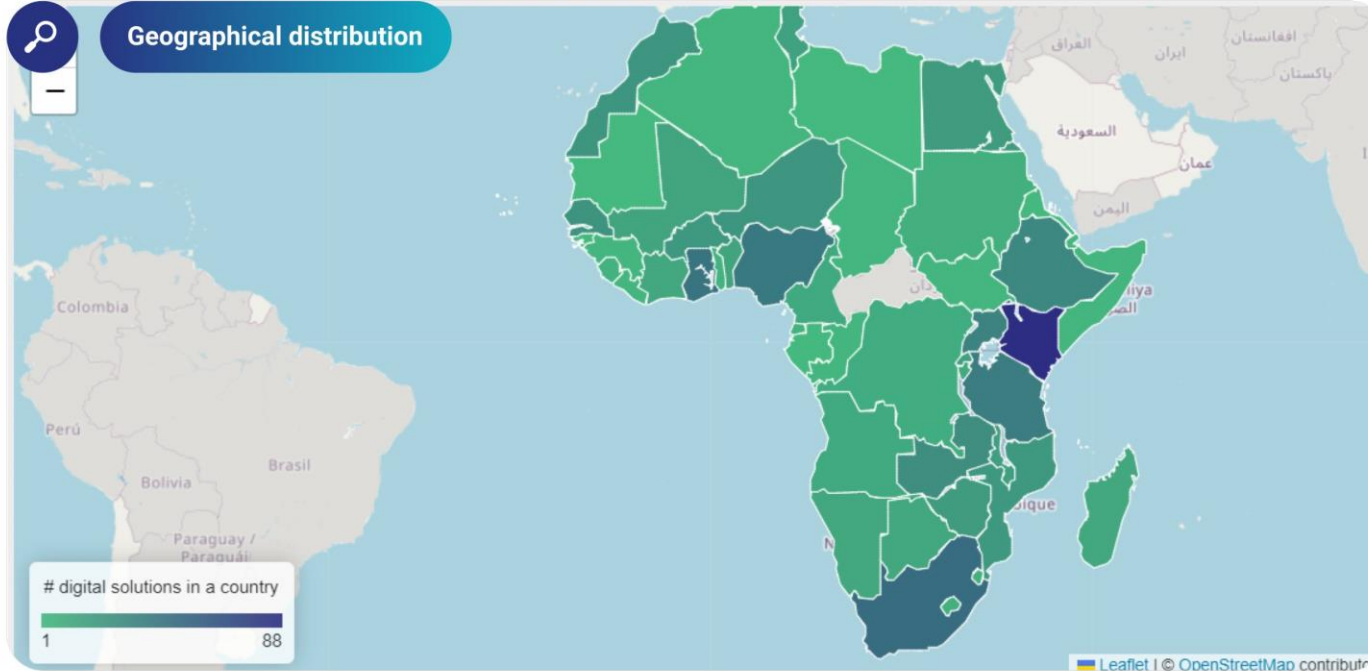
Country focus

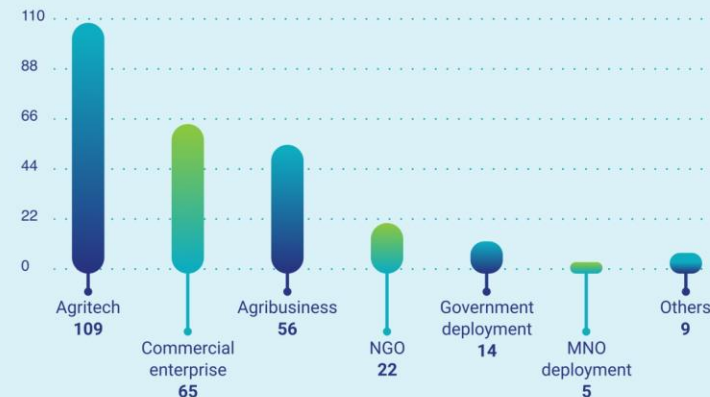Country-specific D4Ag statistics and outreach e.g., Colombia, Nigeria and Indonesia

Climate Smart Agriculture

Digital Agri Hub

Geographical distribution

digital solutions in a country

1 — 88

Leaflet | © OpenStreetMap contributor

Dashboard insights

- 280 digital solutions
- 13 solutions are verified and have received a badge of approval
- Deployed in 51 Low- and Middle-income countries
- **Most frequent use case is "Farm management and Advisory" with 222**
- **Top 5 countries:** Kenya, Nigeria, Ghana, South Africa and Ethiopia

Number of solutions per organisation

Organisation	Value
Agritech	109
Commercial enterprise	65
Agribusiness	56
NGO	22
Government deployment	14
MNO deployment	5
Others	9

2024 DCAS trends in Africa

1. In 2024, over **15 African governments** have integrated DCAS into their national climate action plans, with Kenya and Ghana leading in policy-driven deployments that have reached over 2 million farmers.

2. Investment: Africa's DCAS sector attracted over **$250 million in investment** by 2024, with Nigeria and South Africa seeing the highest inflows aimed at expanding digital climate services.

3. Donor Contributions: International donors like the World Bank and USAID have committed more than **$150 million to DCAS** initiatives across Africa, focusing on high-impact countries such as Ethiopia and Ghana.

4. Role of Entrepreneurs: Entrepreneurs in Kenya, Nigeria, and Ghana have **launched over 50 new DCAS startups** since 2022, leveraging mobile and AI technologies to reach millions of farmers.

5. Women-led DCAS projects in Ethiopia and Ghana now account for **30% of all initiatives**, reflecting a growing focus on gender-sensitive climate services.

Our alliance (MOU)

Food and Agriculture Organization of the United Nations

AGRA
Sustainably Growing Africa's Food Systems

Dgroups
FOUNDATION
Development through dialogue

CTA

Partner projects in Africa – by WUR

SMART AGRI HUBS

INCITIS FOOD

FoodSafety for Africa

Digital Agri Hub

#Alliance Agreement
Creating Sustainable Partnerships

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Partner projects

- We connect the dots between farmers, researchers and innovators.
- We connect EU & AU projects on the Innovation Portal to offer them a thriving digital ecosystem.
- We provide support to businesses to network and grow their sustainable digital innovations
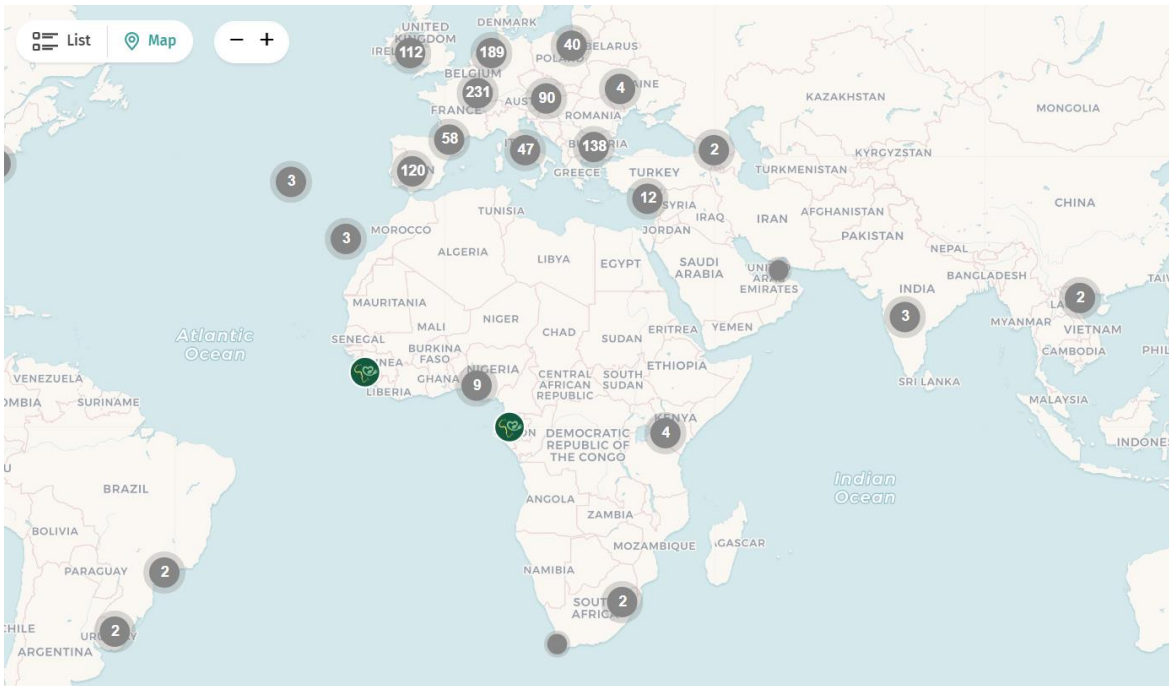
Horizon 2020 project (2019-2022)
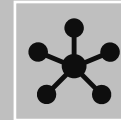
Creation of a European network of Digital Innovation Hubs

Supporting digitalisation of Agriculture

Largest open innovation network for smart agriculture in Europe

Partner projects

Thriving Digital Ecosystems in Africa

INtegrated and Circular Technologies for Sustainable city region FOOD systems in Africa (INCiTiS-FOOD)
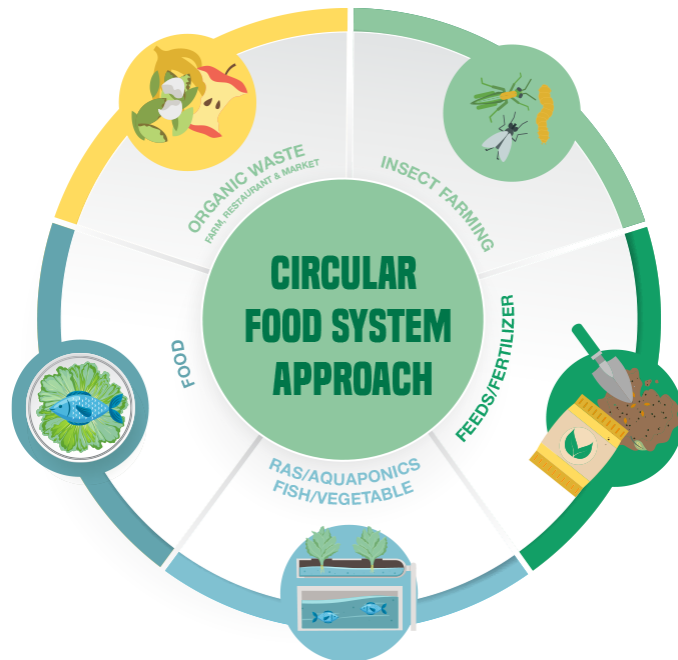
Funded by the European Union

Co-funded by the European Union

Join the Digital Agri Hub community

Data entry tool for digital solution providers.

- Request for an account if you are new

- Take ownership of existing digital solutions on our dashboard

- Receive a badge of approval for curated and maintained solutions on the dashboard

Network with your peers

- Connect with a diverse community of 1700+ stakeholders in D4Ag, technology experts, value-chain actors and knowledge providers

Call to action: Climate Smart Agriculture (CSA)

e-Conversations on D4Ag interest topics, series 2

- How to assess the "**fit-for-purpose**" of digital CSA solutions?

- How to **raise awareness** towards an **observed growing adoption gap** for CSA digital solutions between providers and users (farmers)?

- What are the main factors that determine the **adoption or rejection** of digital CSA solutions including **aquaculture and livestock production**?

- What actions are needed for **further scaling CSA solutions** including aquaculture and livestock production?

Hosted by the Digital Agri Hub, AGRA & Dgroups foundation

THANK YOU

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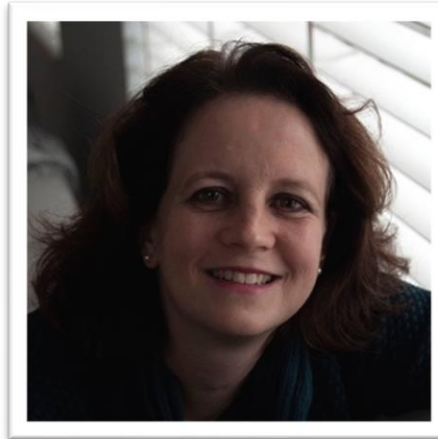Senior researcher, global food and security
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