



**INNOVATION
ACCELERATOR**

Disrupting hunger in developing countries with startups and innovations

Deutsche Gesellschaft für die Vereinten Nationen

Bernhard Kowatsch
Head of WFP Innovation Accelerator
4 November 2021

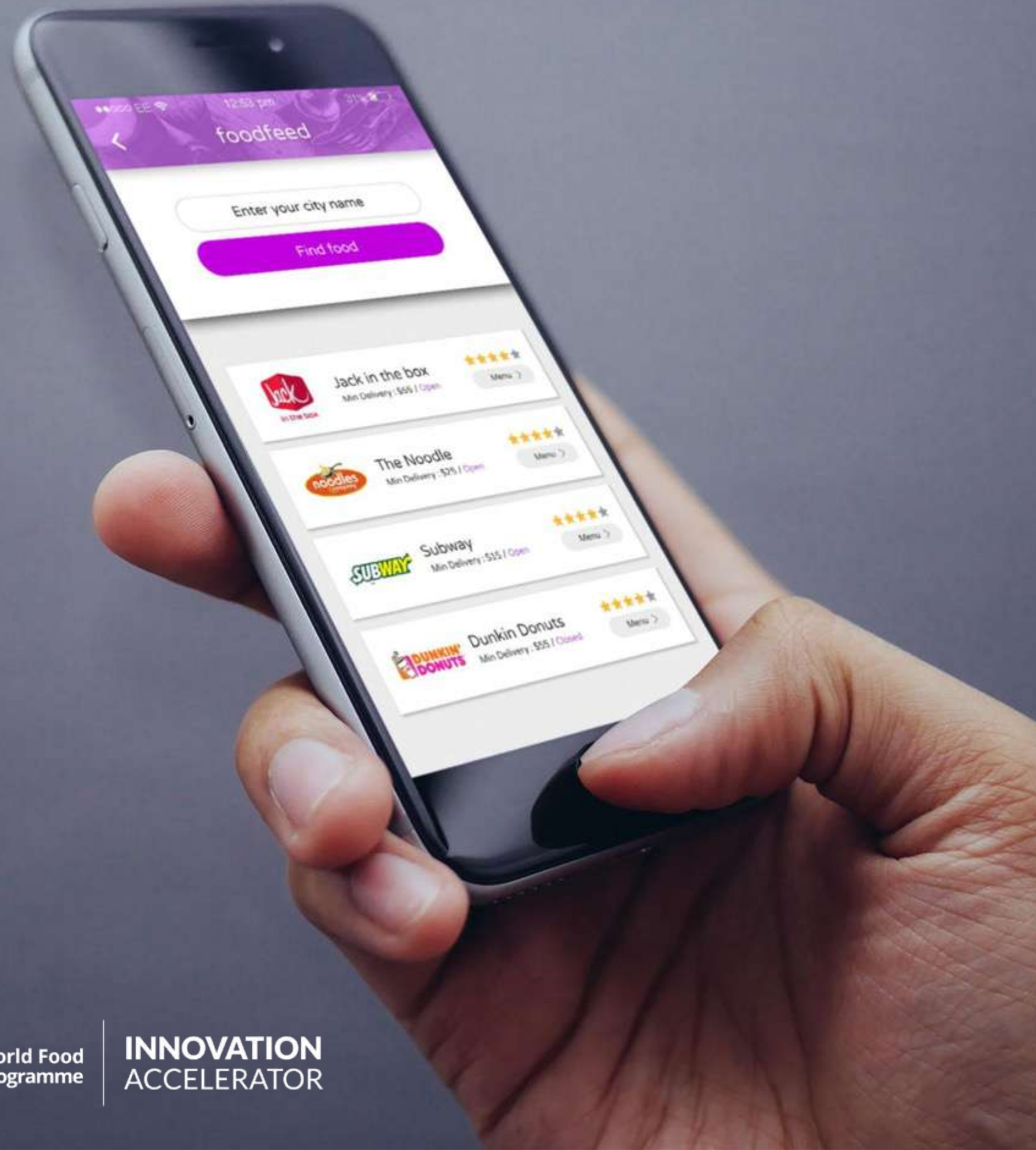
[#disrupthunger](#)

 [@WFPInnovation](#)

 [WFP Innovation Accelerator](#)

When you think of food delivery...

...think again.



The challenge of global hunger

1 in 10 people
worldwide



do not have
enough to eat

Afghanistan



22.8 Million facing **acute** food insecurity
(55% of the population)

8.7 Million facing **emergency** levels of
food insecurity

\$200 Million funding shortfall in 2021

- Hunger is at a **10 year high** in Afghanistan
- Hunger is driven by **20+ year conflict**
- Regime change and international withdrawal has exacerbated existing problems
- **Economic crisis** due to instability, job losses, lack of cash, rapid inflation costs of food (☐28%) and fuel (☐50%)
- **Survival migration** is likely if needs remain unmet and as winter approaches
- **Level 3 Emergency** now (WFP's highest response) and is tracking to become world's worst humanitarian crisis

Afghanistan

US \$220 Million

estimated per month
to address new needs



10.2 million people

have been assisted by WFP in 2021

- **35,000 mt** of food assistance provided
- **900,000 COVID-19** assisted
- **400,000 pregnant and breast feeding women**
- **805,506 children under 5** treated for malnutrition
- **175,315 children** fed via School Meals Programme
- **600,000 Internally Displaced People** assisted



David Beasley ✓
@WFPChief



We have a one-time crisis requiring an additional \$6B+. If we don't act, this is what will happen: people WILL die of hunger; there will be destabilization of nations & mass migration, which will cost 100X more than the \$6B+ we need. Which do you think is a better investment?!



From World Food Programme ✓

8:23 PM · Nov 2, 2021 · Twitter Media Studio

Worldwide

WFP needs **US \$6.6 Billion** to save **42 million people** from starvation this year.



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The Sustainable Development Goals (SDGs)





World Food Programme

SAVING LIVES
CHANGING LIVES

WFP is
saving lives,
changing lives



World Food Programme



WFP at a glance

20,000+
employees

Serves
138
million
people

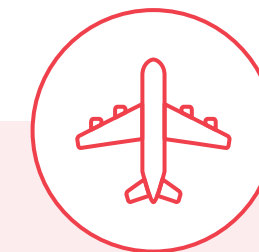
Works in
88
countries

With over
1,000
partners

Distributes
15B
rations
every year

Assisted
38.4M
people through cash-
based transfers in 2020

Every day WFP operates:



100
aircraft

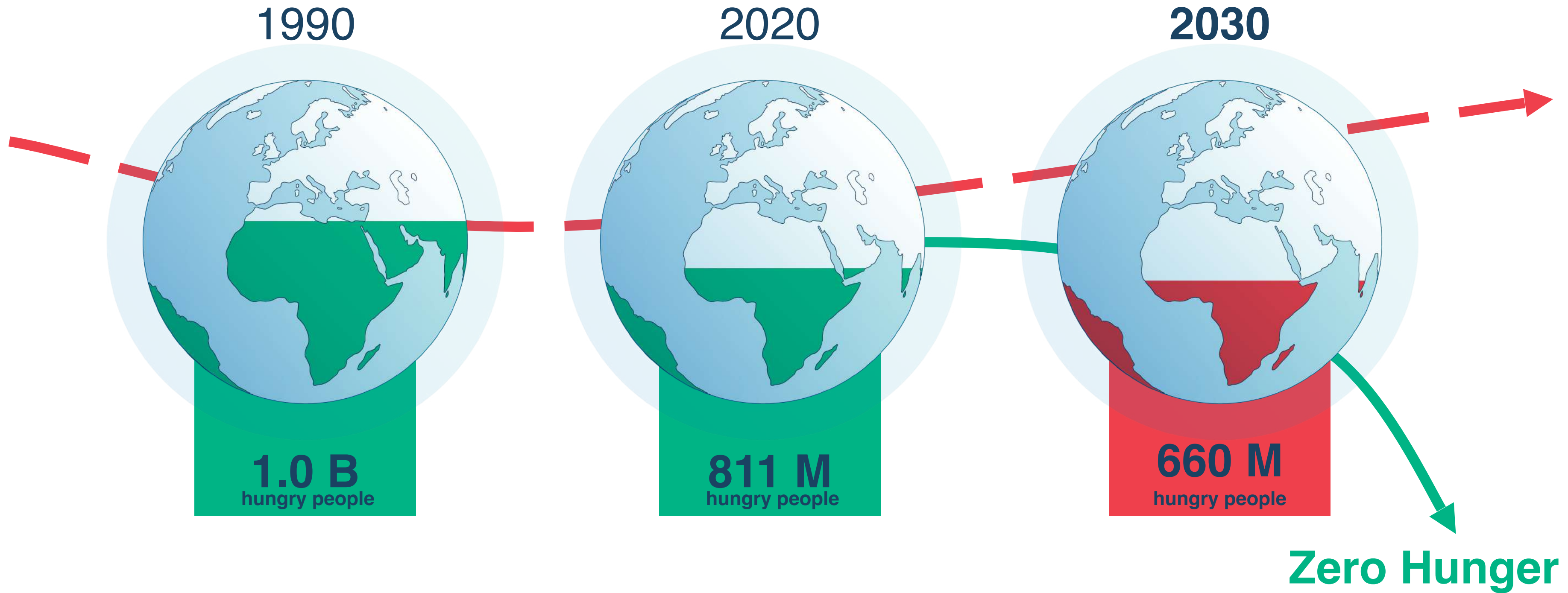


30
ships



5,600
trucks

We need to reverse the recent hunger trend



The WFP Innovation Accelerator sources, supports and scales high-impact innovations to disrupt hunger.



Federal Ministry
for Economic Cooperation
and Development



Federal Foreign Office

Bavarian State Ministry
of Food, Agriculture and Forestry



Government of the Netherlands



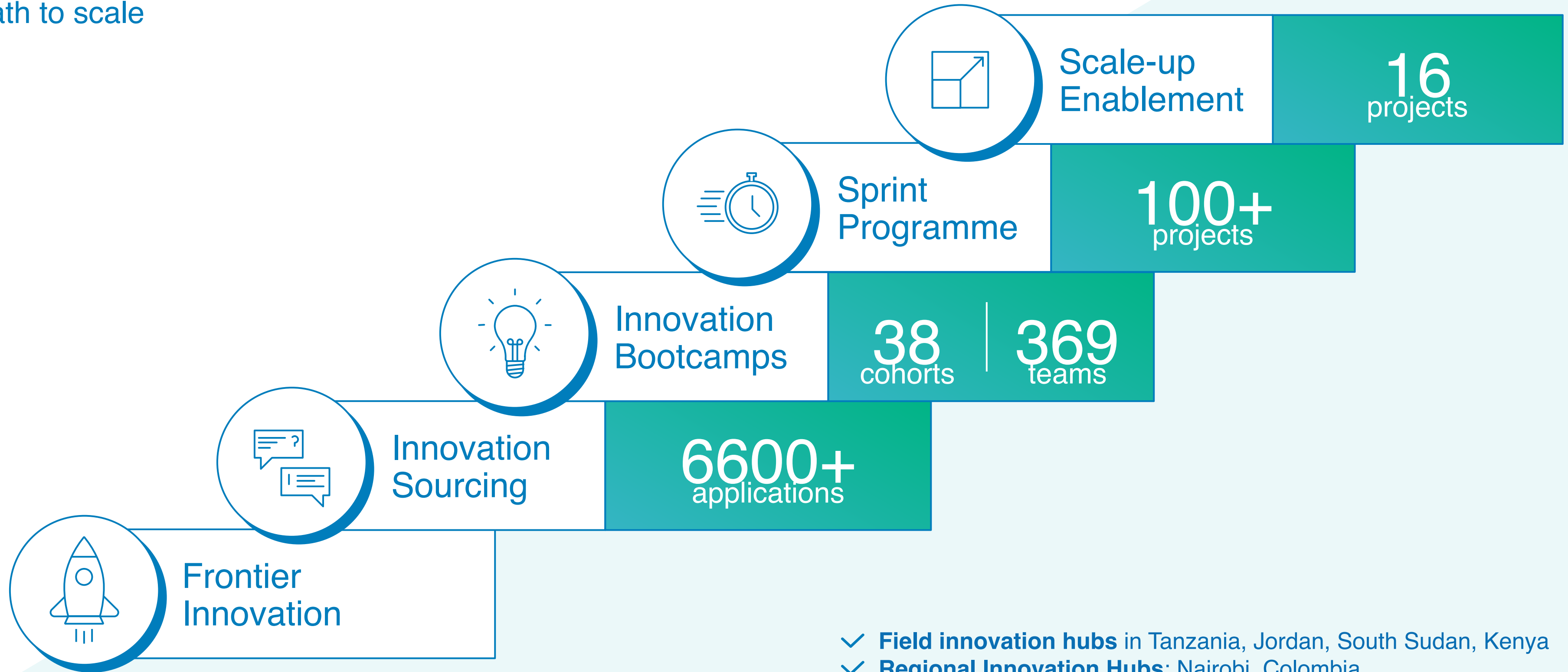
USAID
FROM THE AMERICAN PEOPLE



THE GOVERNMENT
OF THE GRAND DUCHY OF LUXEMBOURG
Ministry of Foreign and European Affairs

Directorate for Development Cooperation
and Humanitarian Affairs

WFP Innovation Accelerator path to scale



- ✓ **Field innovation hubs** in Tanzania, Jordan, South Sudan, Kenya
- ✓ **Regional Innovation Hubs:** Nairobi, Colombia
- ✓ **Full programme virtual**

We run teams through intense innovation bootcamps.

Our WFP Innovation Bootcamps are intense, five-day workshops with expert mentors and facilitators to help teams dive deep into challenges, ideate solutions, and refine project plans.



Where we work

Agri-Wallet	Kenya
BioAnalyt	Ghana, Kenya, Nigeria and Malaysia
Building Blocks	Bangladesh, Jordan, Lebanon
Child Growth Monitor	India
Circular Food Assistance	Bangladesh
Cloud to Street	Congo, Ghana, India, Pakistan, United States of America
Cockpit	South Sudan
CODA Services	Afghanistan, Democratic Republic of the Congo, Madagascar, South Sudan, Tajikistan and Uganda
Dalili	Kenya, Lebanon
Decapolis	Jordan
DEFAST	Rwanda
e-Shop	Somalia
Electro Methanogenic Reactors	Kenya
EMPACT	Iraq, Kenya, Lebanon, Turkey
Farm to Market Alliance	Kenya, Rwanda
Fenik	Malawi
Annapurta GrainATM	India
GrainMate	Ghana
Groasis	Algeria, Chad, Colombia
H2Grow	Algeria, Chad, Jordan, Kenya, Libya, Palestine, Peru, Namibia, Zambia
Hello Tractor	Kenya
Humanitarian Topographic Atlas	Global
HungerMap ^{LIVE}	Global
Log.ie	Bangladesh, Cambodia, Ethiopia, Lebanon, Madagascar, Malawi, South Sudan
MEZA	Congo
Ninayo	Tanzania
NutriIndia	India
Optimus	WFP HQ (Italy)
Pesitho ECOCA	Burundi
PLUS School Meals	Bhutan, Dominican Republic, Mozambique, Sri Lanka
Post-Harvest Loss Reduction	Burundi, Cote d'Ivoire, Ghana, Malawi, Madagascar, Mozambique, Nigeria, South Sudan, Sudan
PRISM	Cambodia, Indonesia, Mongolia, Sri Lanka
Producers Direct	Peru
Retail in a Box	Bangladesh, Mozambique
Roambee	Ethiopia
Sanku	Tanzania
Saving Grains	Ethiopia
SHAPES	Mozambique
ShareTheMeal	Global
SheCan	WFP HQ (Italy/Germany)
The Last Mile Ecosystem	Tunisia
Thrive Agric	Nigeria



 WFP Innovation Accelerator
  Innovation Hubs

Meet the team

We are 54 innovators



19 languages

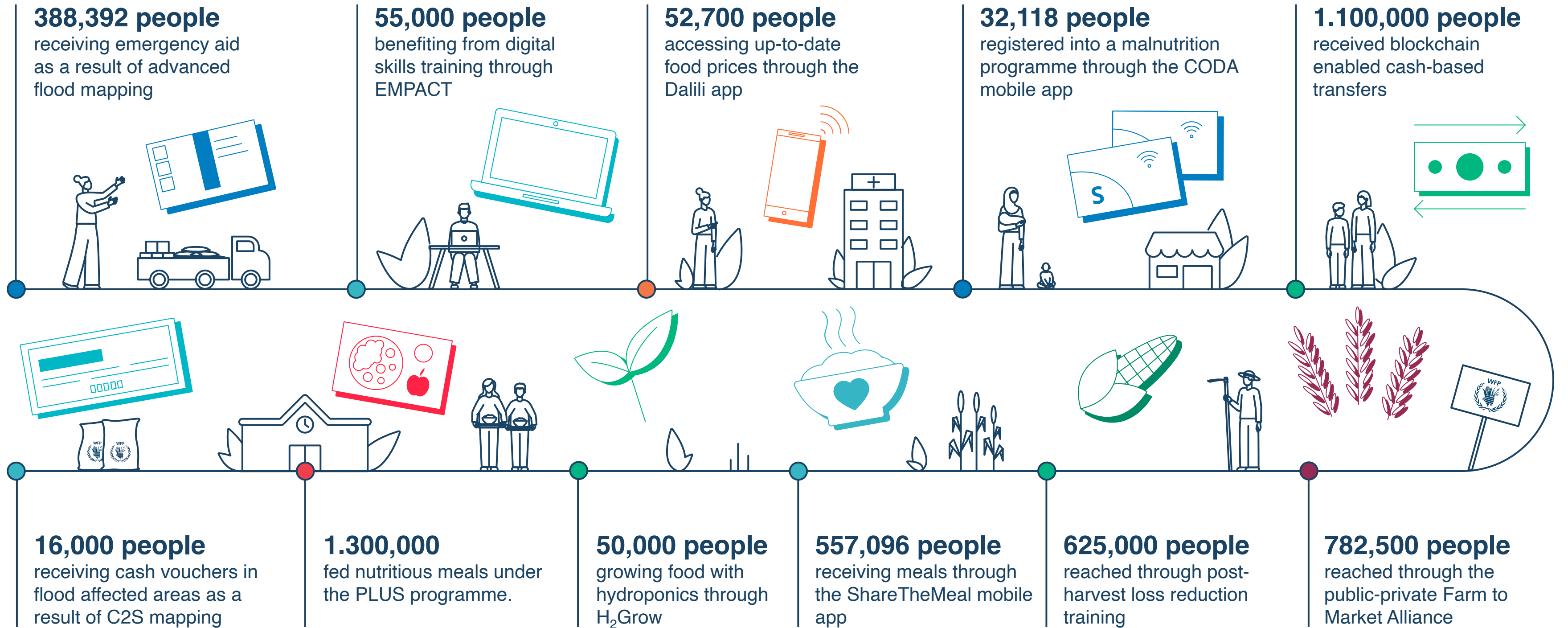


70% female

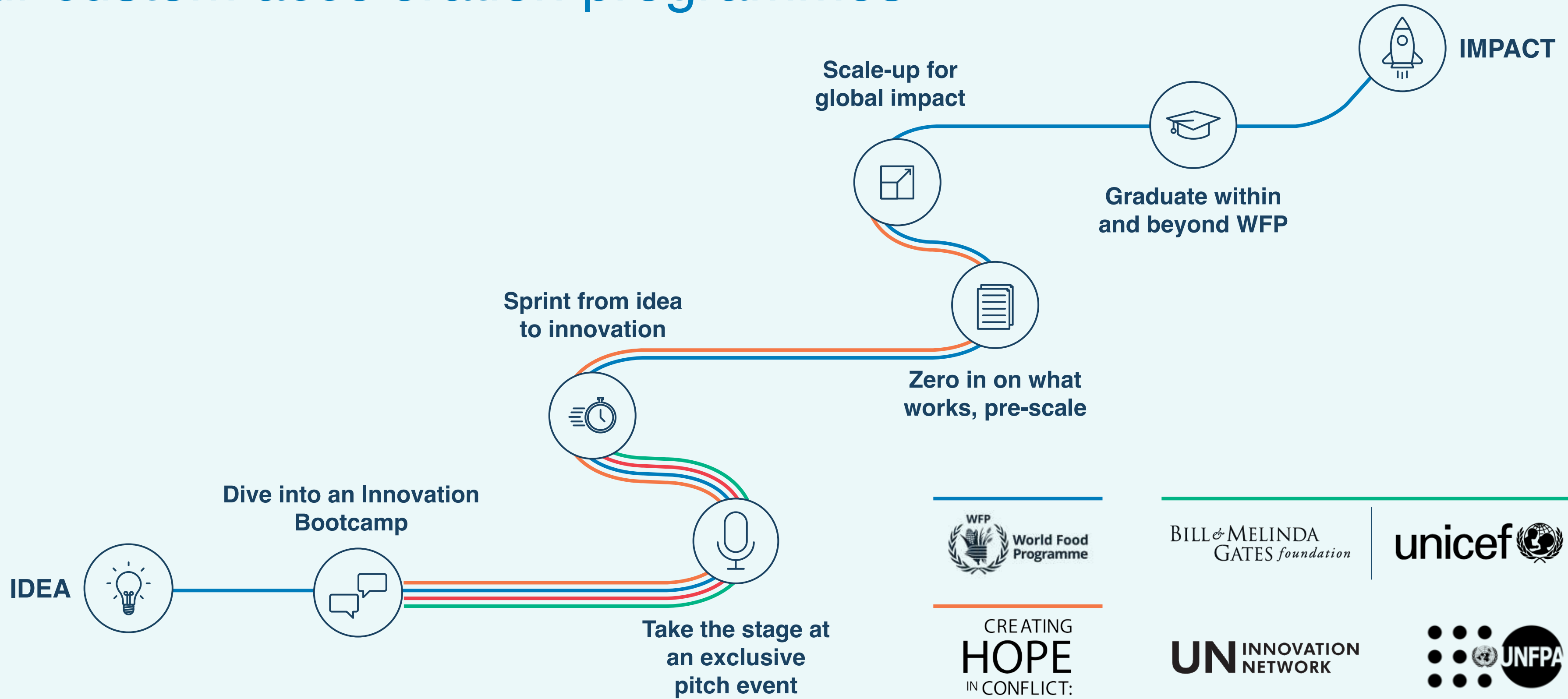


34 nationalities

5.5 million people reached in 2021



Our custom acceleration programmes



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BILL & MELINDA
GATES foundation



CREATING
HOPE
IN CONFLICT:
A HUMANITARIAN
GRAND CHALLENGE

UN INNOVATION
NETWORK



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In the spotlight

In 2020, our contributions to thought leadership in the domains of humanitarian innovation and the future of food systems have been **featured in major publications** such as Forbes, Chicago Council on Global Affairs, Fast Company Magazine, and World Economic Forum. **Together, we can accelerate our efforts to reach Zero Hunger and all SDGs.**



Ranked 2020's Best Workplace for Innovators and Innovation Team of the Year and 2021's Most Innovative Company by **FASTCOMPANY**



Der Spiegel
Cowboys und Champions

World Economic Forum
How Food Innovation Hubs will scale technology to transform our food system

Forbes
Iris Scans, Hydroponics And Blockchain: How Innovation Is Helping Fight Global Hunger

Süddeutsche Zeitung
Hunger ist ein lösbares Problem

Thank you to our key partners



Bavarian State Ministry
of Food, Agriculture and Forestry



BILL & MELINDA
GATES foundation



B/S/H/



CREATING
HOPE
IN CONFLICT:
A HUMANITARIAN
GRAND CHALLENGE



Orange Silicon Valley



Sealed Air®



UN INNOVATION
NETWORK



XPRIZE



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Building Blocks

Bangladesh | Jordan

WFP's Building Blocks project is the humanitarian sector's largest **blockchain-based cash distribution system**, leveraging blockchain to coordinate with other humanitarian agencies and transfer cash assistance to refugees securely and efficiently.

The project provides recipients with a blockchain-based e-wallet to make cash transfers faster, cheaper and more secure, allowing WFP to transact directly without the need for banks or other financial institutions.

In 2020, WFP's Building Blocks has used blockchain technology to distribute cash-based assistance transactions to **Rohingya refugees** in Cox's Bazar, Bangladesh, and **Syrian refugees** in Jordan.

 **over 1,100,000**
refugees reached, to date

 **98% bank fees saved**



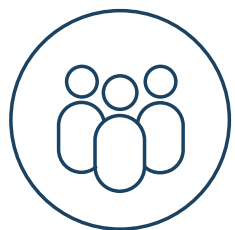
Cloud to Street

Ghana | The Gambia | Republic of the Congo | Sri Lanka

Cloud to Street is a remote sensing platform to predict, map and analyze floods in real time.

By using global satellite imagery and cloud computing, it analyses flooding on the ground and continuously estimates flood probabilities. As the platform is remote and automated, the maps and analytics are affordable, fast, and accessible for governments and aid agencies left off of traditional maps.

In 2020, Cloud to Street identified over **23,500 km²** of flood-prone land, helping protect **1.2 million people** at risk or impacted by a major flood event.



122 million people

monitored through services



Enabled

US\$ 13.5 million

in multilateral aid for flood-affected communities



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WFP's H2Grow project brings locally adaptable and affordable hydroponic solutions to vulnerable communities around the world. It employs the soilless, water-efficient agricultural technique that enables plant growth in harsh environments. By developing low-tech systems from local materials, growing fresh vegetables or animal feed in deserts, refugee camps or urban informal settlements, H2Grow supports food-insecure families to increase their access to fresh food and raise their income.

In 2020, H2Grow directly impacted more than **26,500 people in nine countries**, many of them women and children. **Three new countries** are already funded and in the preparation phase.

An Asset-Backed Loan model is being piloted in Kenya now!

 **50,000**
people reached

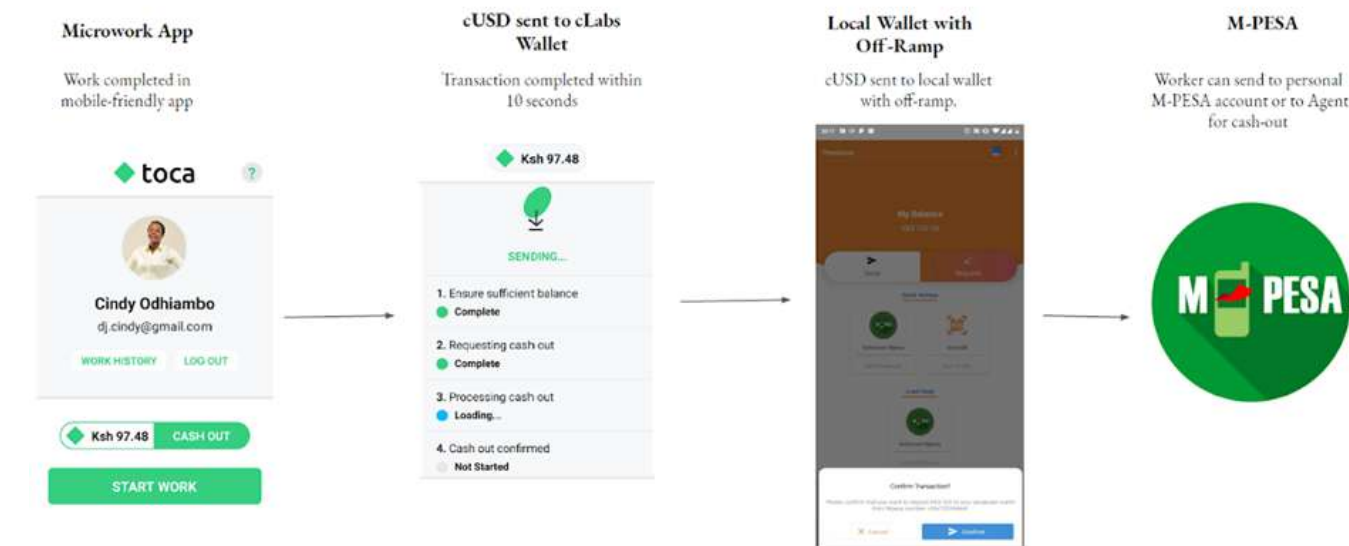
 Launch of digital
H2Grow learning &
community platform



Digital & remote work-EMPACT, cLabs, Appen, Corsali

A mobile microwork platform that gives anyone in the world with a low-end smartphone the ability to safely earn money from home, leveraging crypto-payments with Celo

EMPACT has already impacted 55,000 people in Iraq, Lebanon, Kenya, Colombia and Turkey through micro work online



Post-Harvest Loss Reduction

Mozambique | South Sudan | Sudan | Malawi | Burundi | Cote d'Ivoire | Uganda | Ghana | Madagascar | Nigeria

Post-Harvest Loss Reduction (PHL) is a joint venture between WFP Programme and the WFP Innovation Accelerator that supports country offices to scale PHL sustainable business models, with the aim to improve household food security and income for smallholder farmers, done in partnership with different players including governments, private sector, and other relevant institutions.

Participating farmers have been able to reduce drastically their post-harvest losses, leading to a threefold increase in their income. This has greatly impacted food security in local communities and improved nutrition for many families.

 **over 675,000**
people impacted

 Approximately **US\$ 7 million**
in funds raised in 2020



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e-Shop

Somalia

WFP Somalia's e-shop app enables retailers to sell in a virtual store, and for customers to **redeem their WFP cash-based assistance by shopping online and having their food delivered directly to them**, while maintaining physical distance during the COVID-19 pandemic.

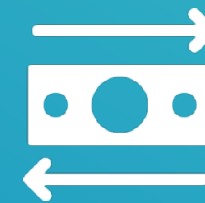
WFP e-Shop is available Somalia-wide reaching **124,137 e-Shop customers** who have carried out **US\$ 16.2 million** transactions since its launch.



WFP Innovation Impact Fund

A **\$100M social impact venture debt fund** for startups, NGOs and WFP innovations in developing countries, pooling donor funds and private investors' money towards scalable innovations as an innovative mechanism to create massive social impact.

Blended finance fund powered by WFP Innovation Accelerator, selectively open to strategic partners.



Sourcing of Investable, Scalable Innovations

Building on its successful track record, the WFP Innovation Accelerator identifies an innovation that is already scaling and showing traction and scalability potential

Innovation Impact Funding

WFP provides a partially repayable grant (advance working capital financing or debt) to startups, NGOs, and own WFP innovations through the Fund - at higher ticket sizes than current grants

Enabling impact at scale

Startups and innovative projects invest to implement, build further traction and prove impact at scale, while open sourcing their innovations, as appropriate

Regenerative Fund

Innovators repay the Fund with interest from operational earnings or after raising capital as they accelerate growth, allowing the Fund to plow back investments and/or repay original investors

The Big Idea

- Focus on disruptive, investable and scalable startups, NGOs and/or WFP Innovations
- Leverage WFP's field operations in 88 developing countries, and the Accelerator's organisation and ecosystem to boost their growth and impact
- Provide access to catalytic funds to accelerate their scalability, boosting their impact and growth
- Deliver lasting social impact, open sourcing innovations, multiplying investments and reinvesting returns

ShareTheMeal

Global

ShareTheMeal (STM) is WFP's fundraising app, allowing smartphone users to provide children with vital nutrition through a simple tap on their phones.

It costs just **EUR 0.70** to feed one child for a day. Free to download, the award-winning app is a pioneering way for people to join WFP's efforts in creating a world without hunger.

The ShareTheMeal community has shared over **125 million meals** with those most in need in over **30** different **countries**.

It was named by both **Google** and **Apple** as one of the [Best Apps of 2020](#), and got a [special shout out](#) from Apple CEO Tim Cook.



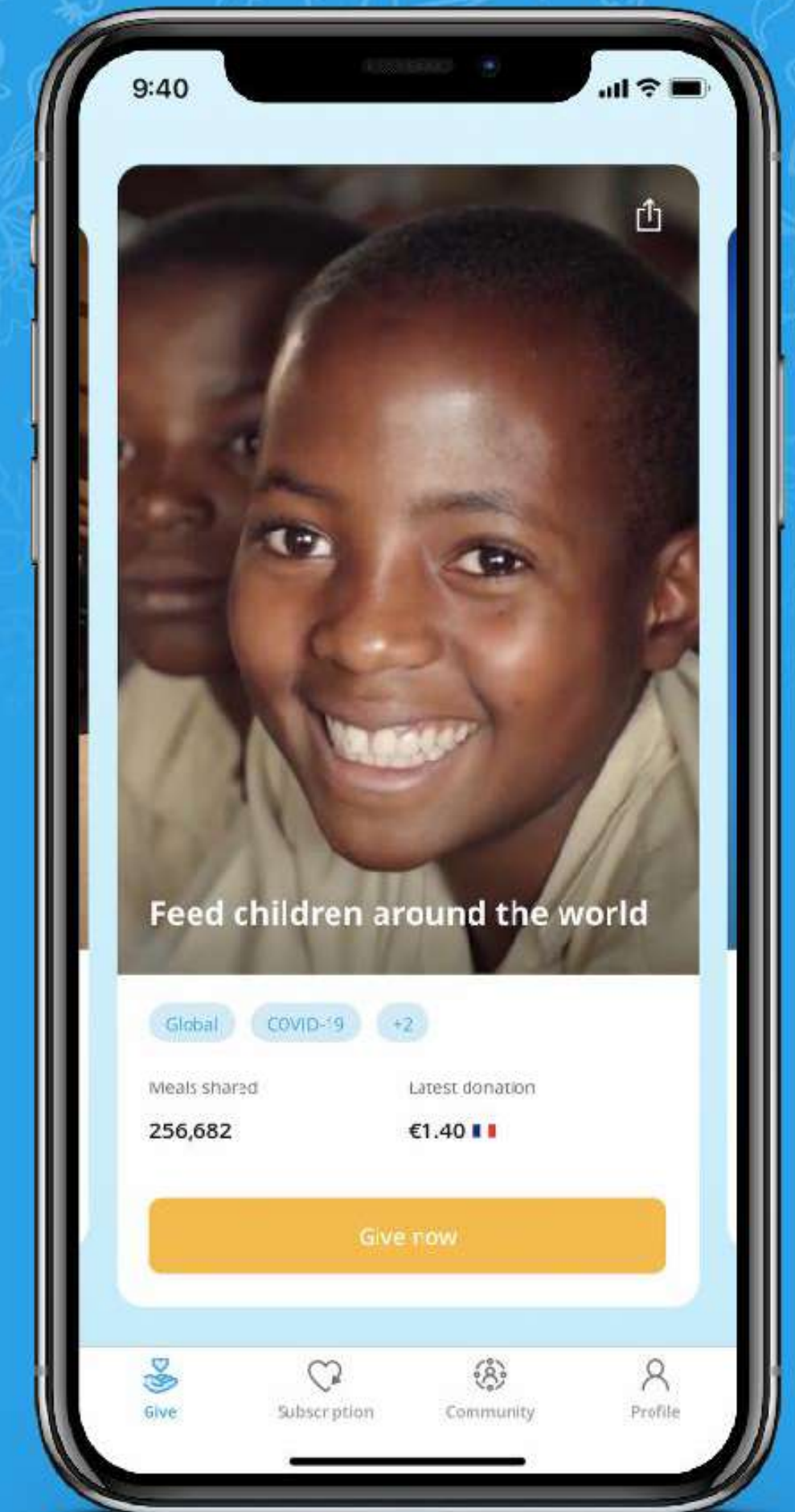
**125 million
meals shared**



**6 million
app users**



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It's time to
***#disrupt*hunger.**

 innovation.wfp.org

 global.innovation@wfp.org

 [@WFPInnovation](https://twitter.com/WFPInnovation)

 [WFP Innovation Accelerator](https://www.linkedin.com/company/wfp-innovation-accelerator)