

BUILDING BLOCKS

The future of cash disbursements at the World Food Programme



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The Sustainable Development Goals





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Federal Ministry
for Economic Cooperation
and Development

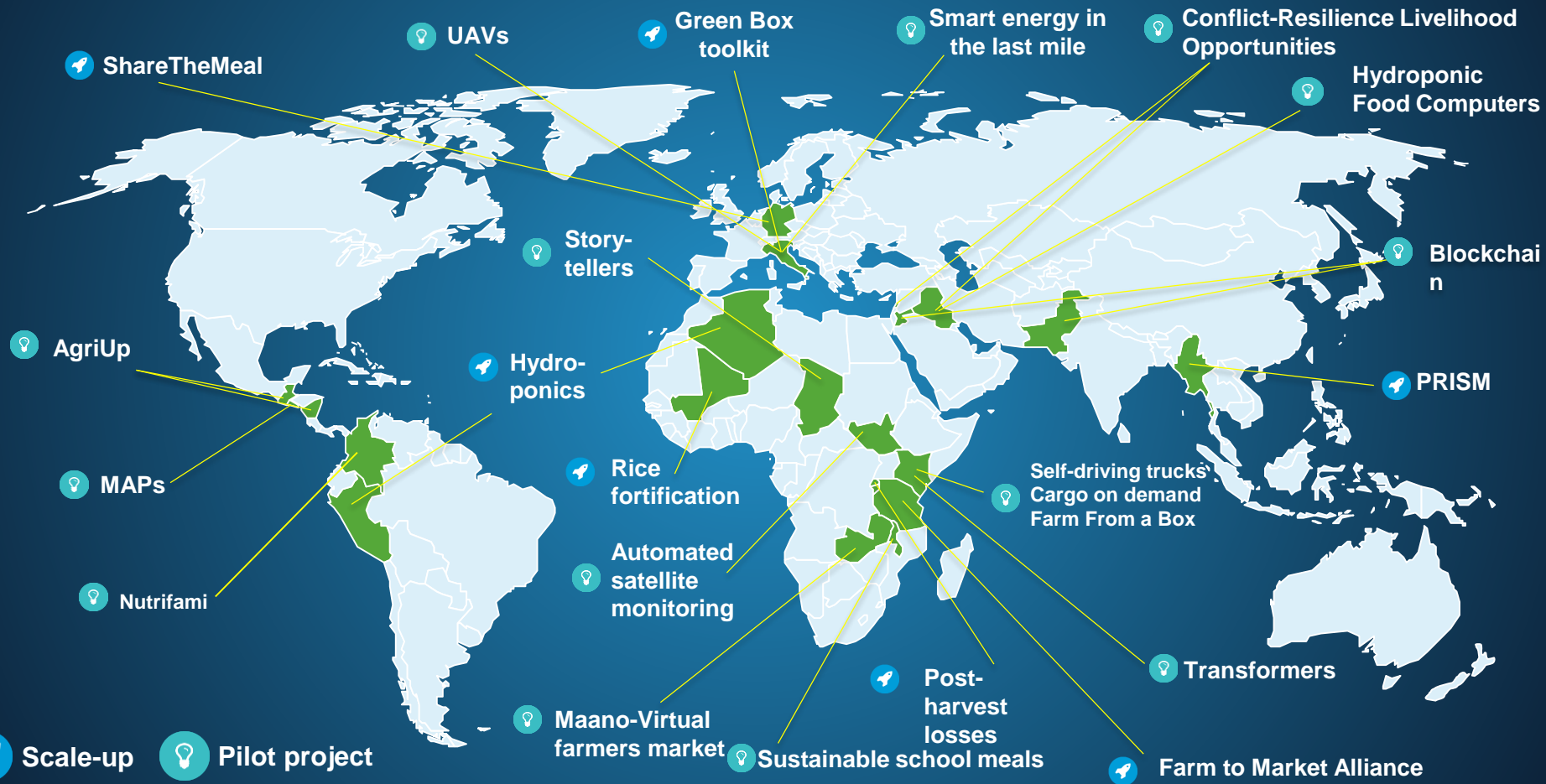


Federal Foreign Office

Bavarian State Ministry
of Food, Agriculture and Forestry



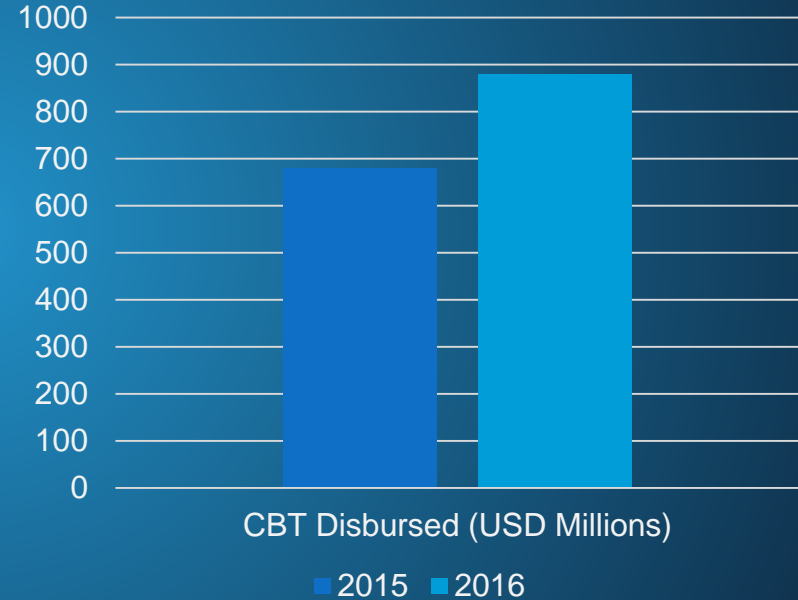
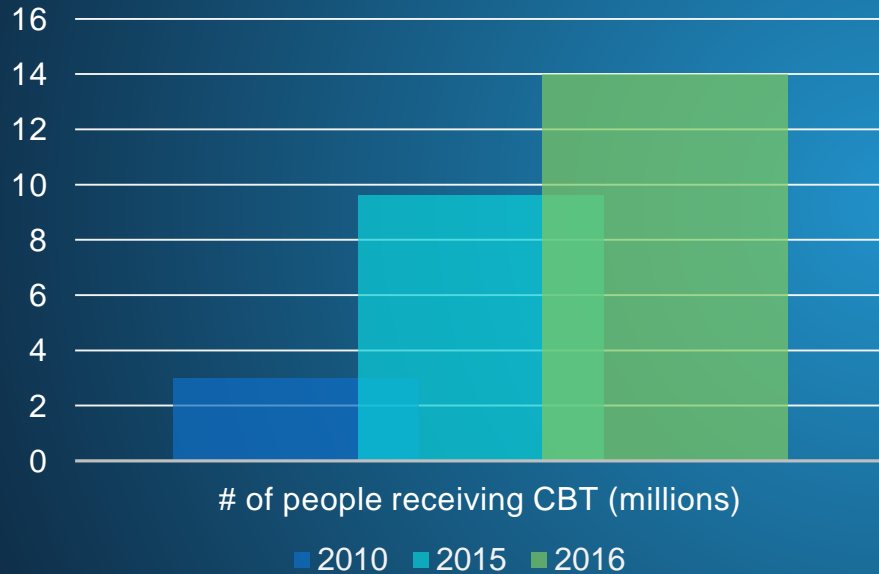
33 Projects Supported by the WFP Innovation Accelerator



Cash Based Transfers (CBT)

- Transfers in various forms: paper vouchers, credit cards, mobile money
- CBT enables to buy food in the local market or supermarket
- Multiplier effect on the local economy - strengthens existing food market and builds national capacities

WFP's Cash-Based Transfer Growth



The Problem

There are certain challenges relating to CBT and Financial Service Providers (FSPs)

Fees

Financial
Risk

Privacy

Reliance on
Vendor Data

Inoperability

What is Blockchain?



Building Blocks

WFP led blockchain solution based
on the Ethereum protocol

Key Milestones



2016

April

Discovering the
potential of
blockchain



January
Pakistan

Proof of Concept
97 people - 3 days



2017

May
Jordan

Pilot and Scaleup

How does it work?

- All entitlements and transactions are recorded and verified in real time on the blockchain
- A virtual wallet is created for each beneficiary where their transactions are recorded
- The blockchain is in the backend, so there is no change from the beneficiary side



Date/Time	Beneficiary ID	Vendor ID	Transaction ID	Category	Credits	T-Hash
2017-05-24 15:05:23	333-1BFKL	85432	14532	Food	JOD 0.001	Abf%tf13jifpryzwynio70wpj
2015-05-24 14:34:44	333-1BFKL	85432	14532	Food	JOD 0.001	Abf%bkmtpqlebe3k2aqrk5bl
2015-05-24 14:18:37	333-1BFKL	85432	14531	Food	JOD 0.001	Abf63jbvuszqmis47fswn0B

Building Blocks - Azraq Camp, Jordan

Over **10,500** beneficiaries served

\$1,000,000 through **100,000** transactions

Key Benefits of Building Blocks

- No funds advanced to financial service providers (FSPs)
- Protection of beneficiary data - not shared outside the UN
- 98% reduction in local bank fees
- Reconciliation based on WFP data
- Beneficiary experience remains the same

Additional use-cases for blockchain



- Assistance
- Identity
- Supply chain
- Health
- Education
- Finance

Roadmap

Expanding the flexibility of the Building Blocks platform



Scale-up (2017)

- Continued expansion in Jordan



Mobile Money (2018)

- Additional new locations are currently being scoped



Intra-organizational pilot (2018)

- Several possible scenarios being investigated



WFP Building Blocks

powered by Ethereum

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