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How can Blockchain help to end hunger?

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United Nations World Food Programme (WFP)

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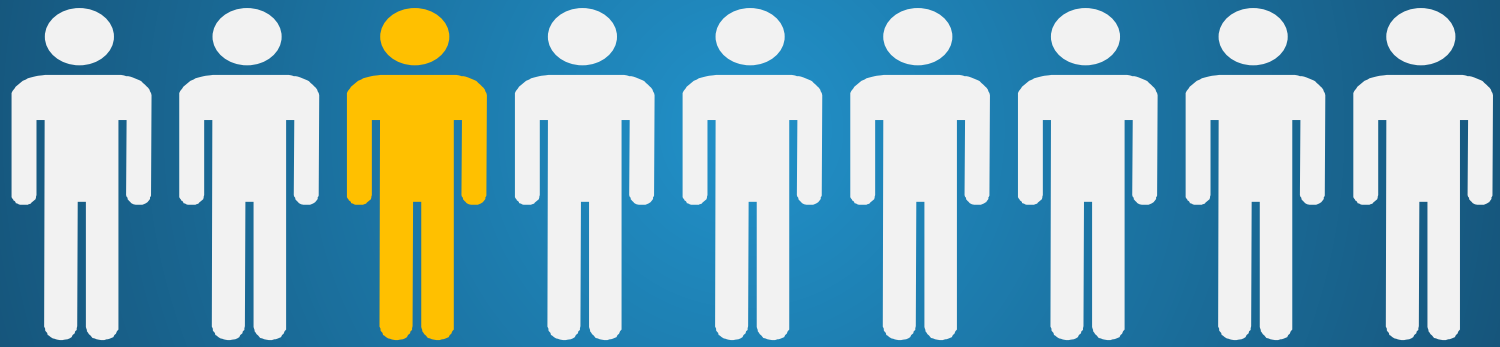
@WFPInnovation

The challenge of global hunger



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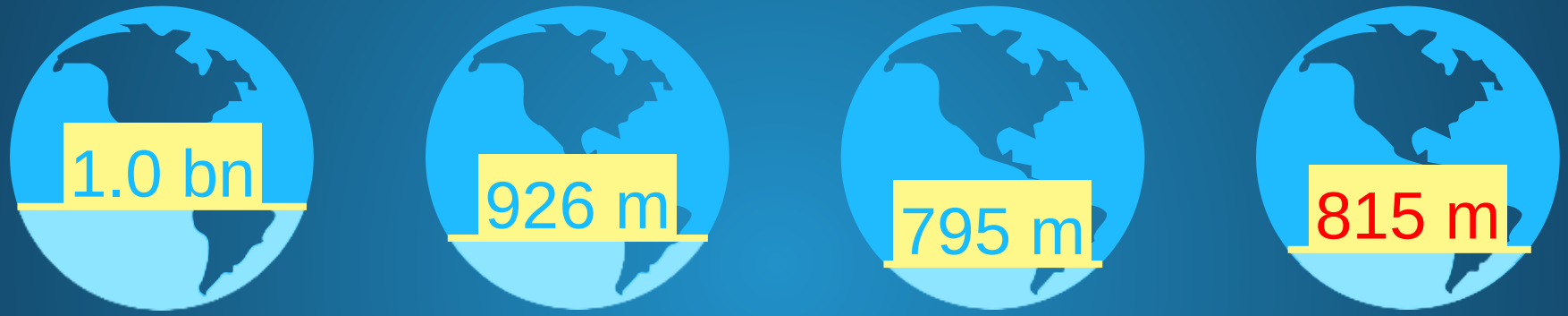

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1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE AND JUSTICE
17 PARTNERSHIPS FOR THE GOALS
THE GLOBAL GOALS
For Sustainable Development

In-Kind Food

Direct delivery of **food to beneficiaries when local markets are disrupted**.

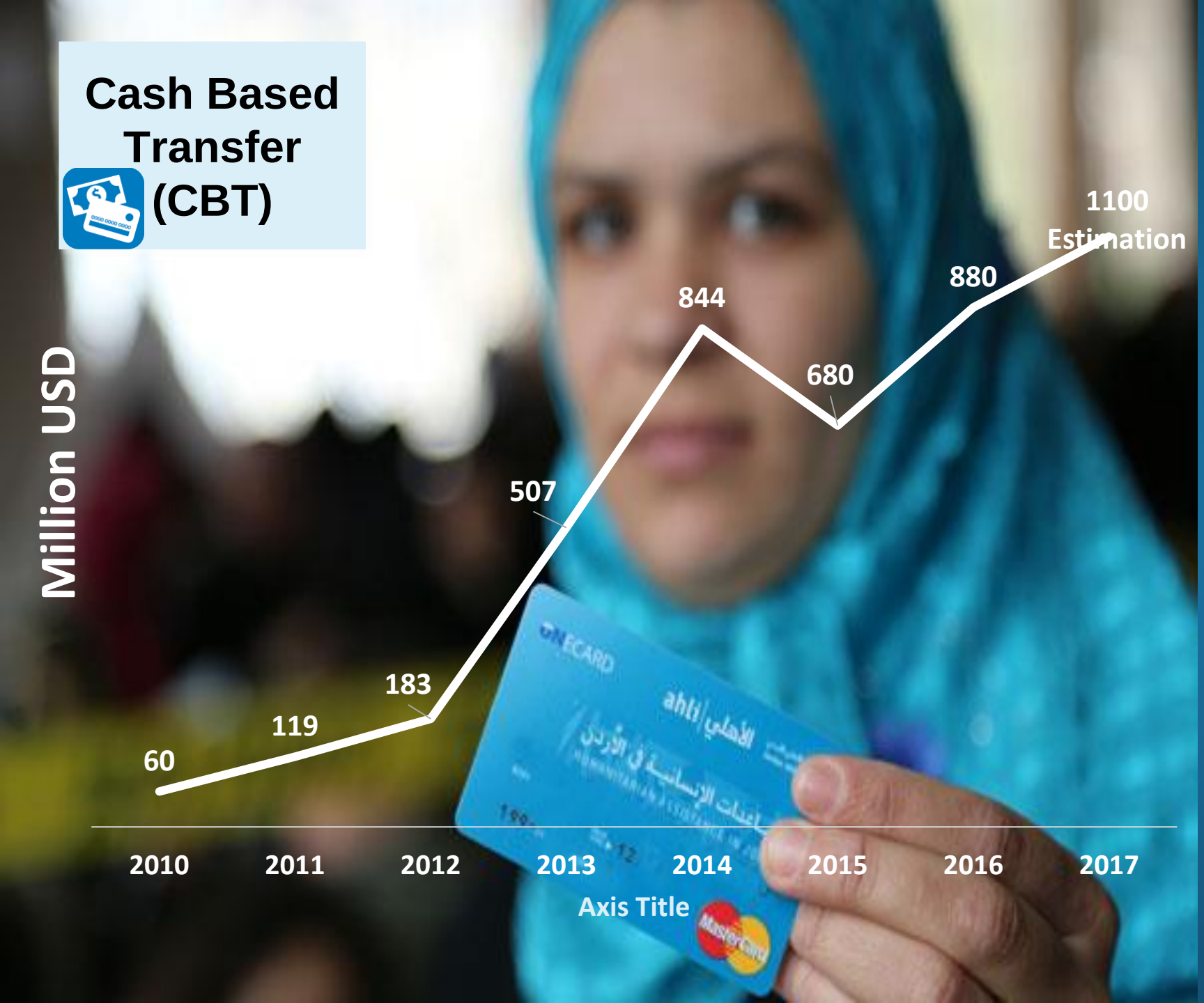
Food basket can be composed of rice, lentils, oil etc. or super nutrient food such as high energy biscuits, fortified rice etc

Cash Based Transfer (CBT)

By delivering **cash for food**, WFP is addressing hunger in places where there is **food in the markets** but **poor people cannot afford to buy it.**

"Cash" for WFP involves physical bank notes, **vouchers**, or **electronic funds** being given to **beneficiaries to spend directly**.

Cash Based Transfer (CBT)



Benefits:

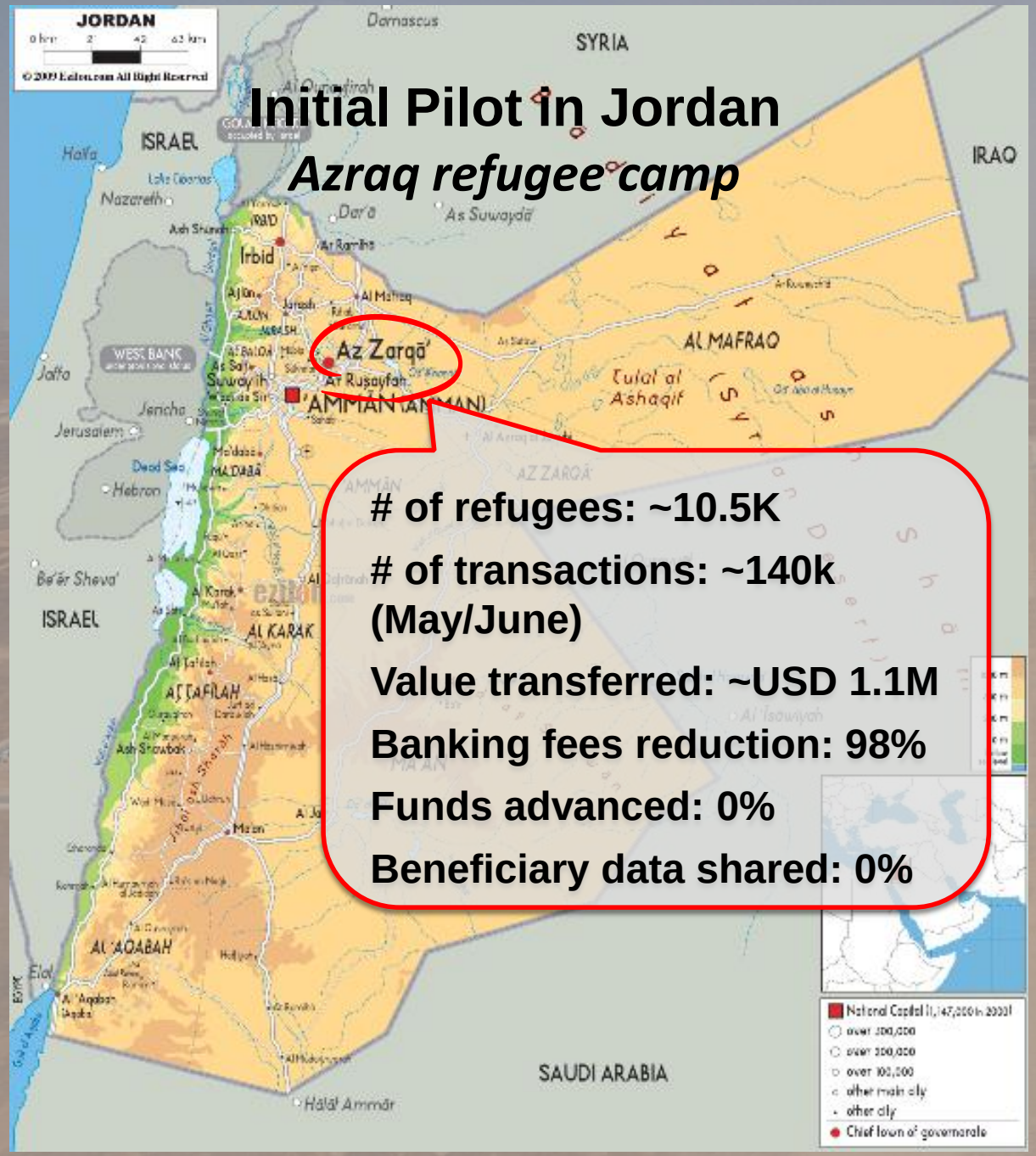
- Boosts the **local economy**
- **Empowers beneficiaries**
- **Increased dignity** for beneficiaries
- **Cost effective**
- **Supported by donors**

Challenges:

- **High banking fees**
- **Financial risk** of insolvency
- **Sharing** beneficiaries **data**
- **Reliance on vendor** and **lack of direct control**

Initial Pilot in Jordan

Azraq refugee camp



# of refugees: ~10.5K

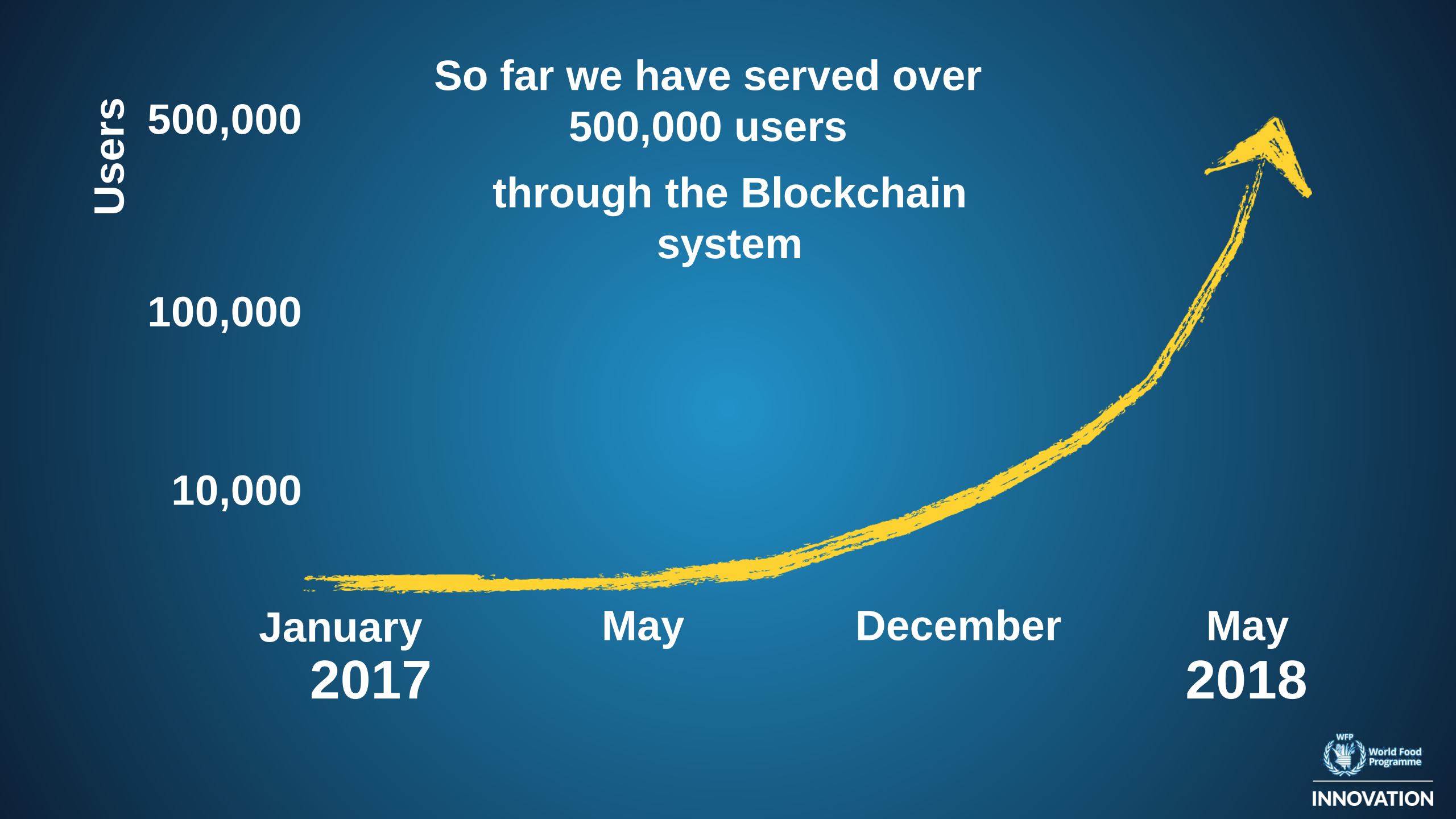
# of transactions: ~140k (May/June)

Value transferred: ~USD 1.1M

Banking fees reduction: 98%

Funds advanced: 0%

Beneficiary data shared: 0%



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SINCE
1.890
42498

Tangible Benefits

- **Reduction of transaction costs**
- More **secure transactions**
- **No** need to **share beneficiaries data**
- **Boosting digital financial inclusion**
- **Inter-agency operability**

Blockchain makes cash transfers **more efficient, secure and transparent**

2018

- Scale up in Jordan

2019

- Enter 5 new countries
- Interoperate with one other agency

2020

- Scale up globally
- Work with multiple agencies

WFP is also exploring new ways of leveraging Blockchain especially in the are of digital identity management and supply chain

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Thank you!

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