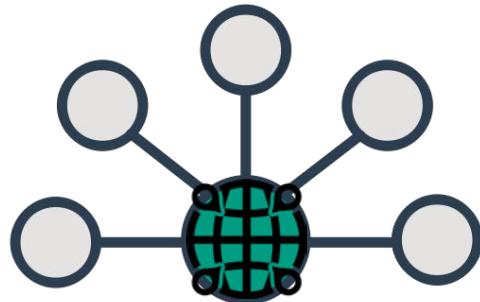


GRID Map

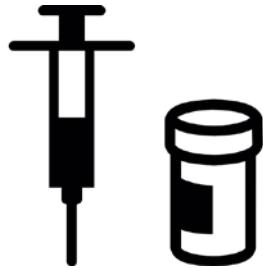
(Global Real-time Interactive Disaster Map)







Around the world...



- Indonesia Flood (2005)
- 20 independent relief posts clustered
- **Resources wasted**

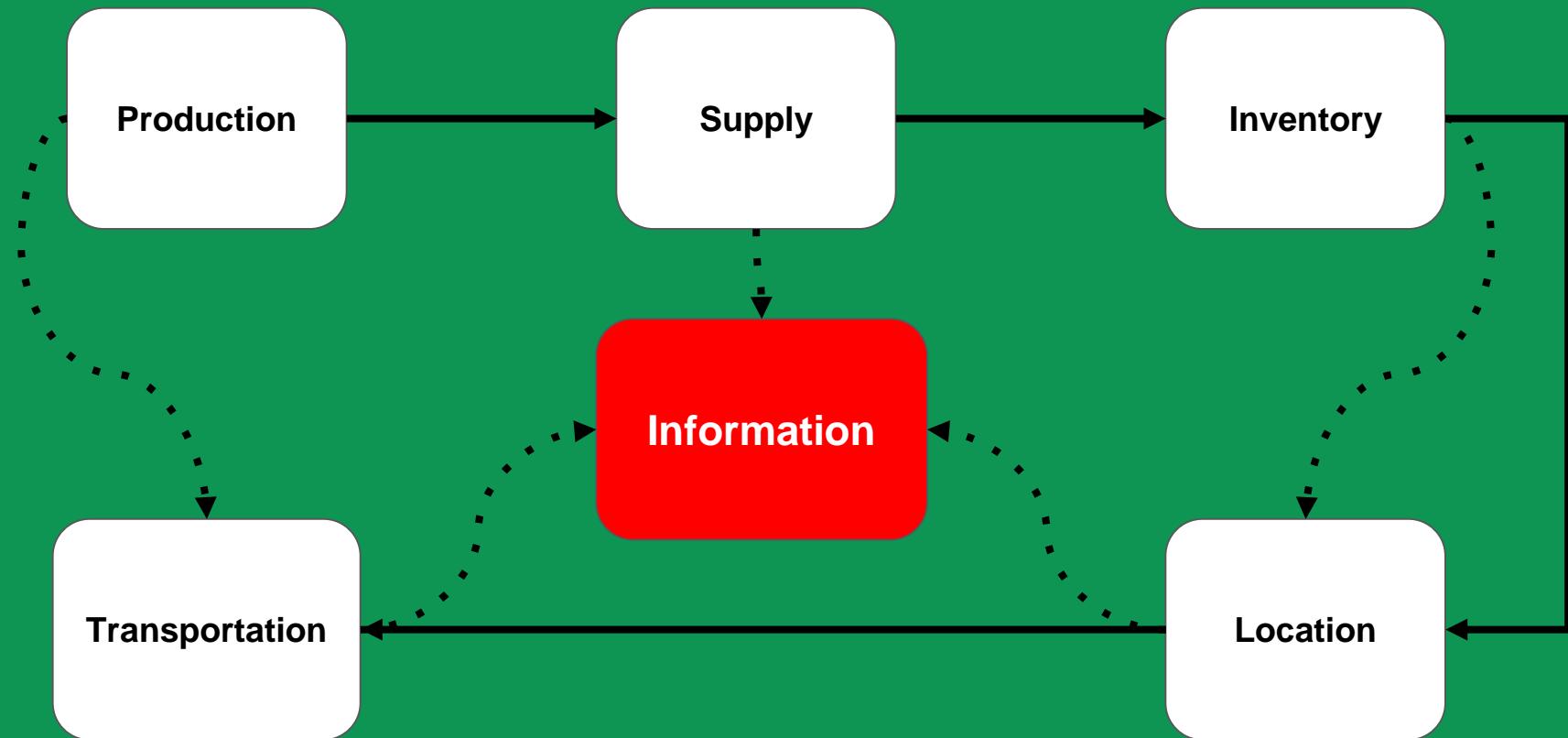


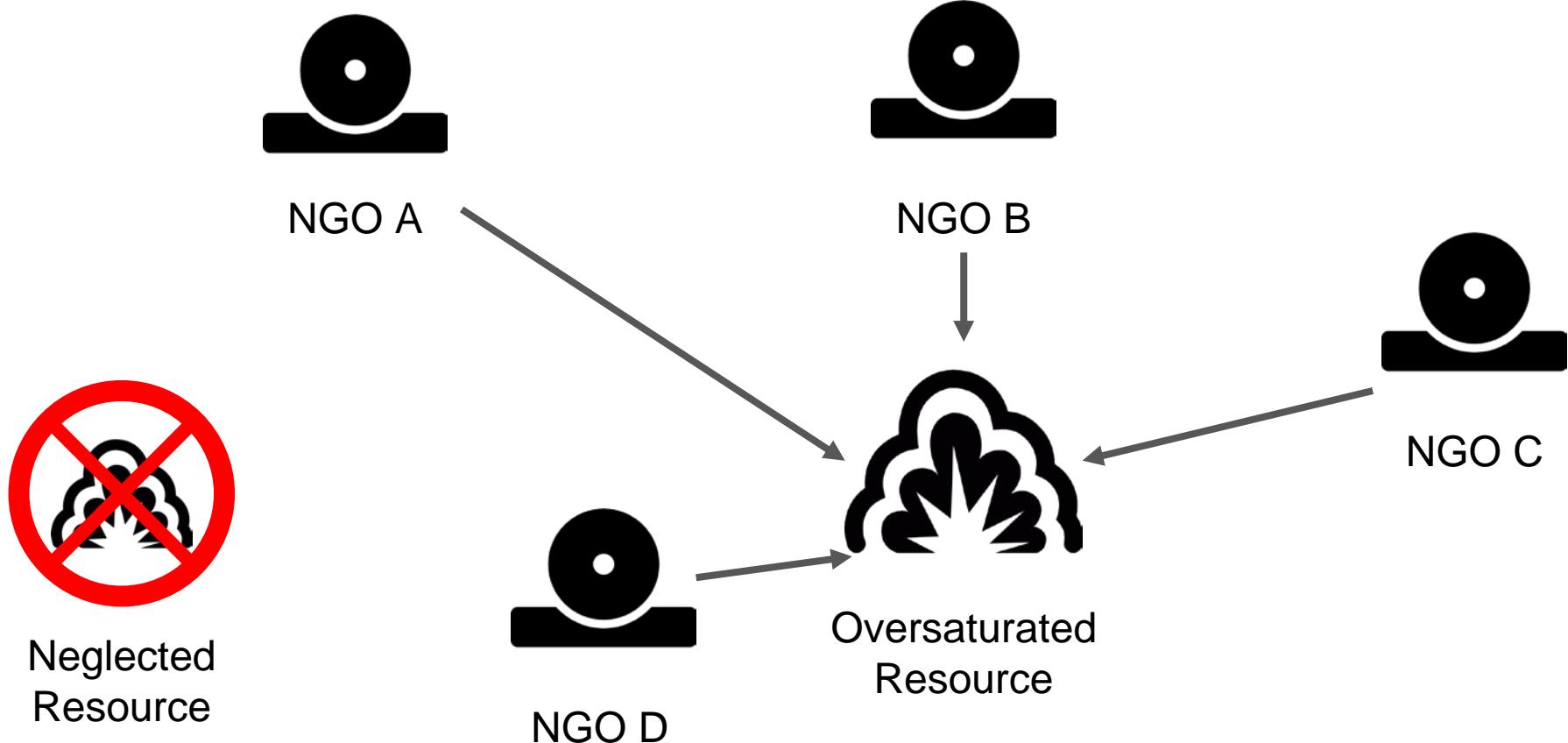
- Hurricane Katrina (2005)
- Only 27/66 ambulances were provided
- **Lack of accountability**



- South East Asia Tsunami (2004):
- 72% of NGOs did not share analytics
- **Lack of transparency**

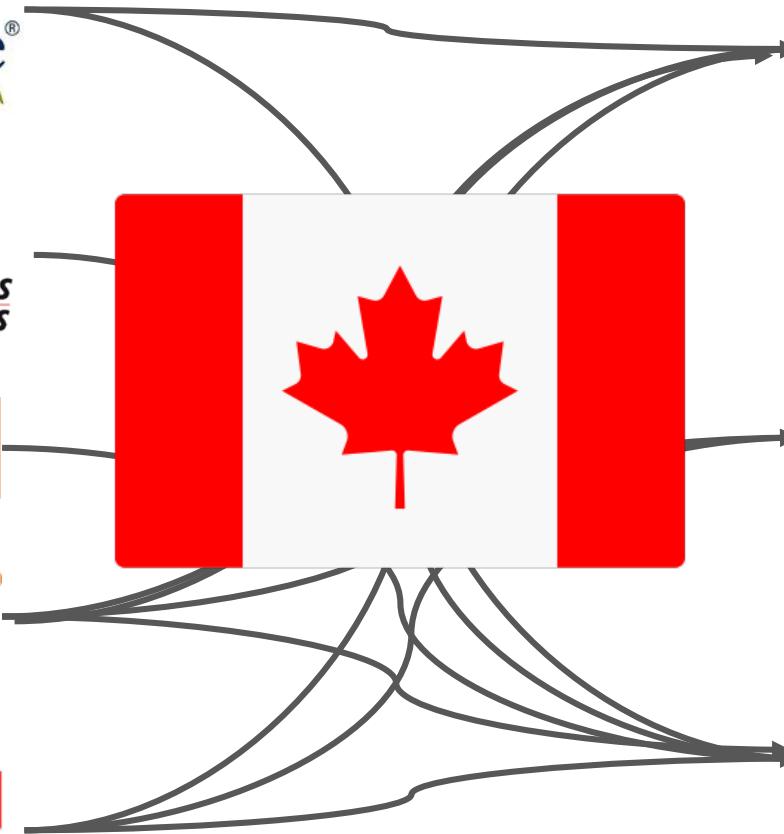
Supply Chain Management







World Vision



\$943m lost



\$3.58b lost



\$538m lost





Login Disaster MAP

Organizational access (write & read)
Governmental access (write & read)
Individual access (read)

Choose the current disasters to support:
Long term
Short term

Comprehensive view of resource distribution and requests



GRID Map

Aid Deployment

Water

All Deployed Requested

Food

All Deployed Requested

Shelter

All Deployed Requested

Leaflet | Map data © OpenStreetMap contributors. CC-BY-SA.

Resource Request Form

Full Name
Enter your name

Resource Type
Enter your desired resource type

Quantity
Enter your desired amount

Latitude
Enter your current latitude

Longitude
Enter your current longitude

Submit Clear Close



Comprehensive resource distribution details



Clear indicators of areas in need



Visibility provides mutual and public monitoring



Data on performance as a whole



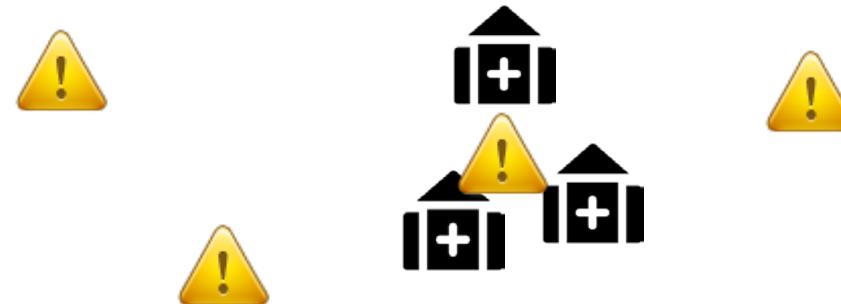
Coordination



Savings



Indonesia Flood (1988)



$$\$490 \text{ mil} \times 1\% = \$4.9 \text{ mil}$$

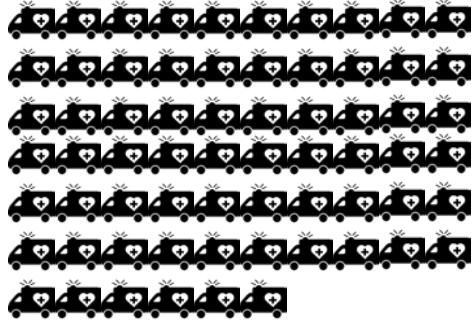
Estimated spending
on foreign relief
posts

Duplicated efforts
or oversourced

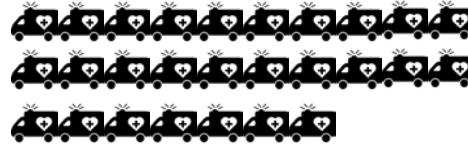
Used inefficiently

Hurricane Katrina (2005)

Billed



Delivered



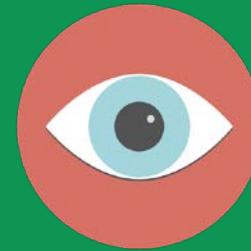
-



\$3100 each / day



\$120,900 / day



Visibility



Accountability



Data



Efficiency

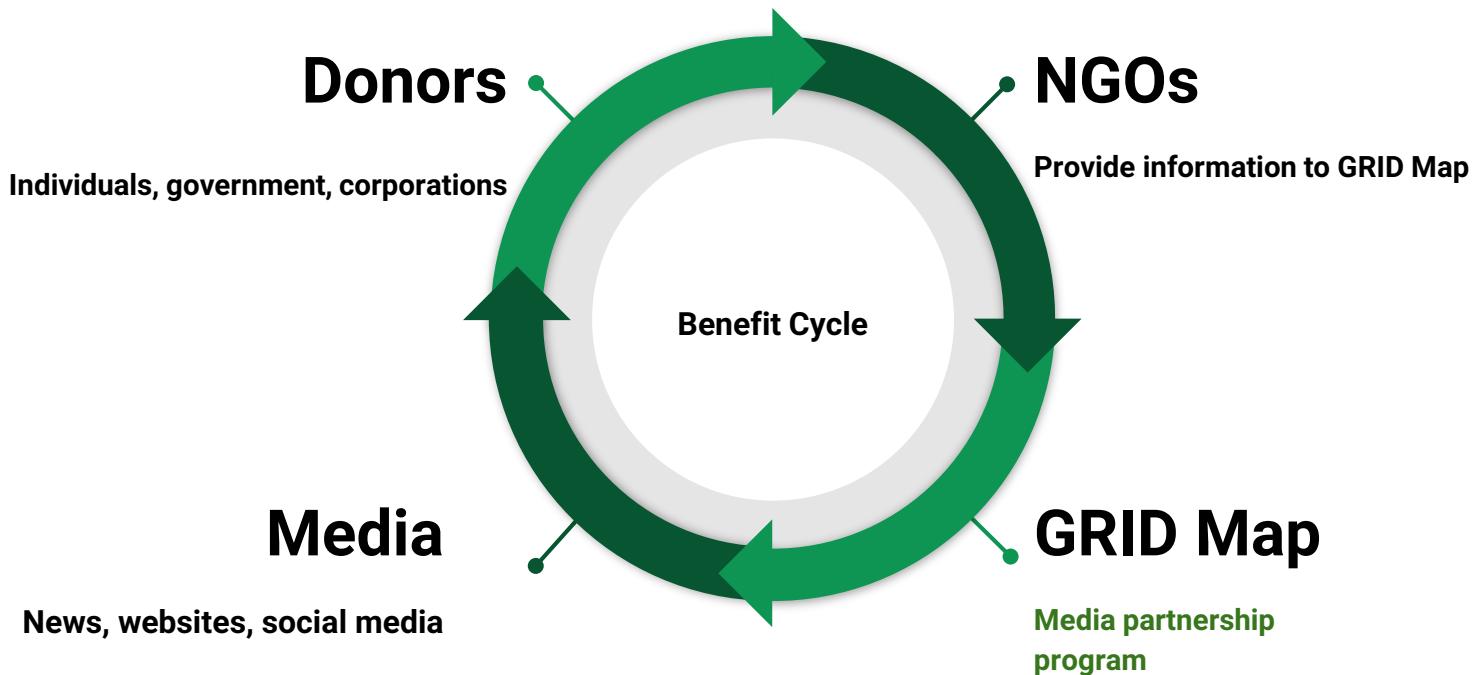


The Economist Intelligence Unit

46%

Public, Private, and NGO sectors hoped for
more data analytics and transparency
during times of crisis

Getting NGOs involved



Core values to solve the problem



Enable



Efficiency



Build
Trust



Accountability



Reliability

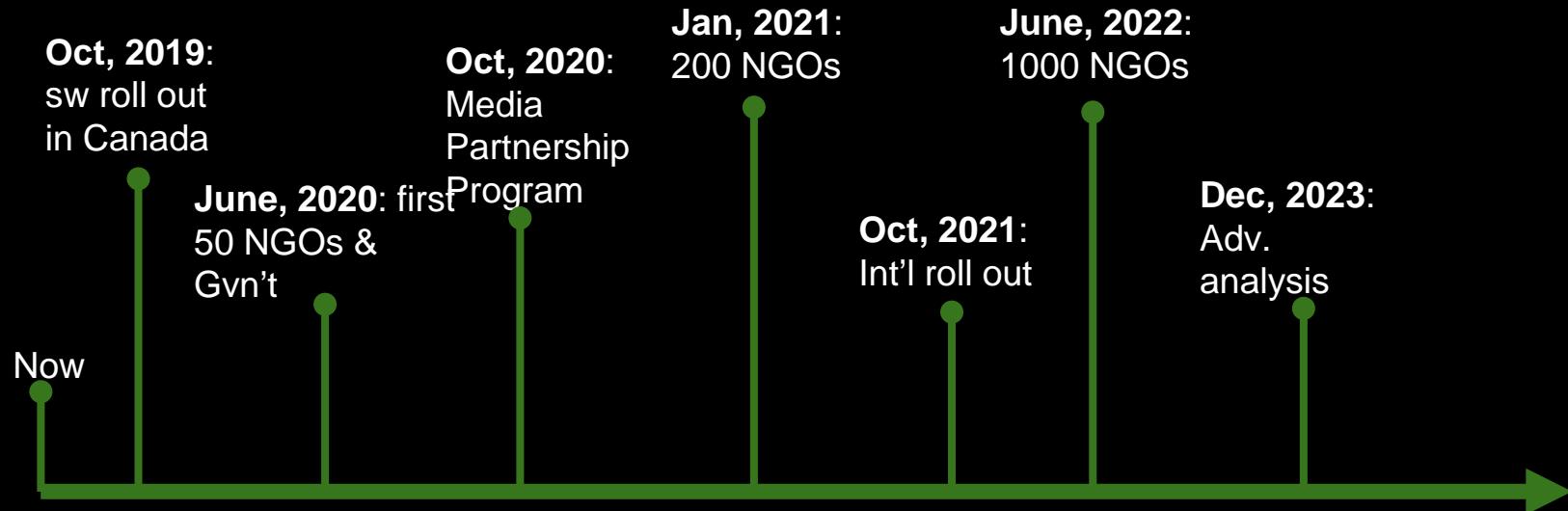
Thank you

Appendix

Reference Maps

	DirectRelief	ReliefWeb	GRID Map
Transparency ?			
Real-Time?			
Coordination?			

Development Plan



Future Functionalities

- Predict severity of disasters based on user input
- Predict severity of disasters using machine learning
- Predict optimize amount of resources to allocate based on severity estimate