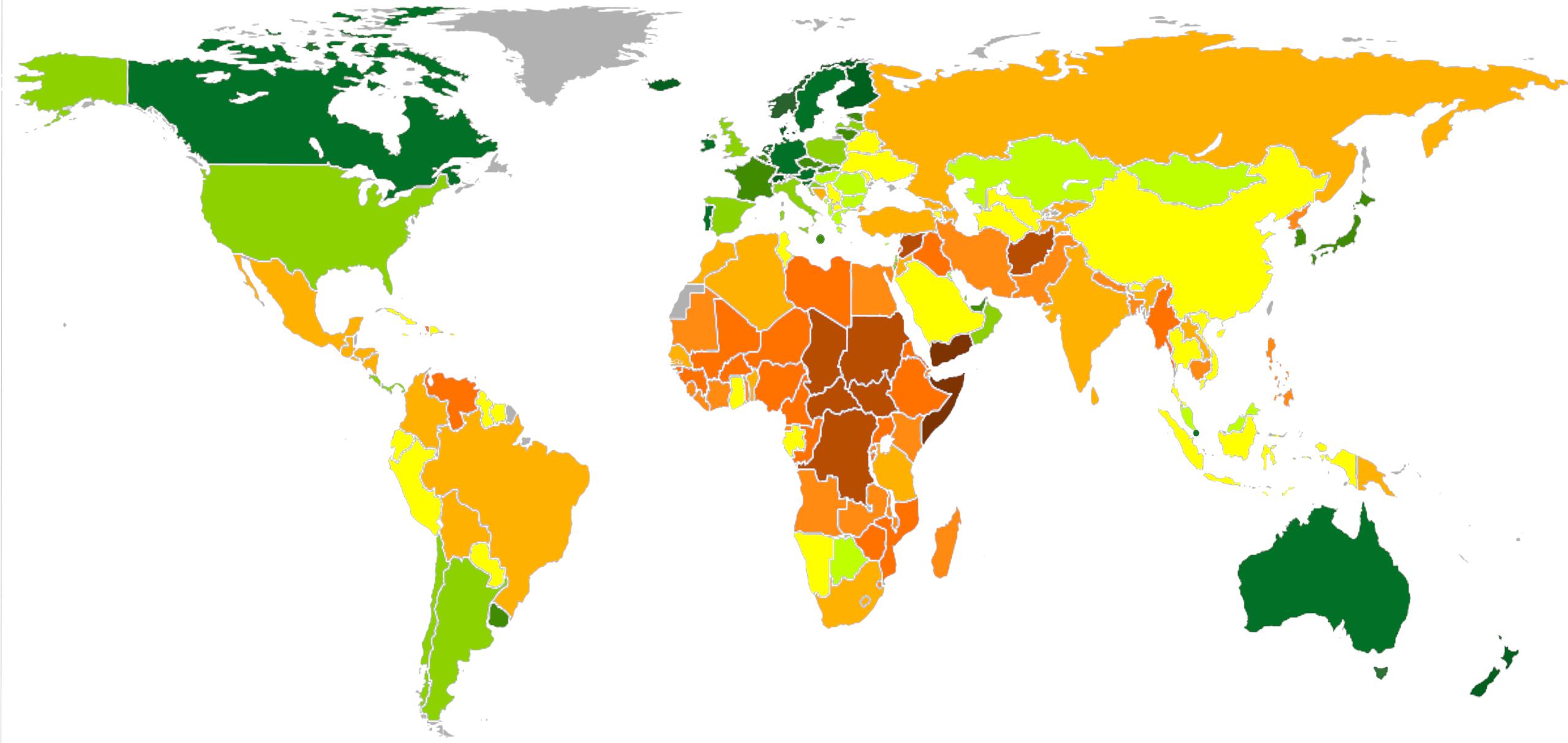




Compiled by anyone. Valuable to everyone.



Fragile State Index

# Data is a scarce resource

(in weak-governance countries)



- Hard to collect
- Expensive
- Unreliable
- Ephemeral

# Data is a valuable resource

(in weak-governance countries)



- Peace & security
- Supply chain
- Investors
- Local banking
- International aid
- Impact



# Broader market for better data in arcane geographies



Balanced  
Media



Cross-Sector  
Development



Rational  
Investor



Ethical  
Consumer

# Data is an untapped resource

(in weak-governance countries)



- 1 billion connected people
- Unaccounted witnesses
- Siloed interventions
- Opacity premium
- Private databases



# **Solution: Distributed Data Ecosystem**

# Turning localized data into a valuable, tradable asset

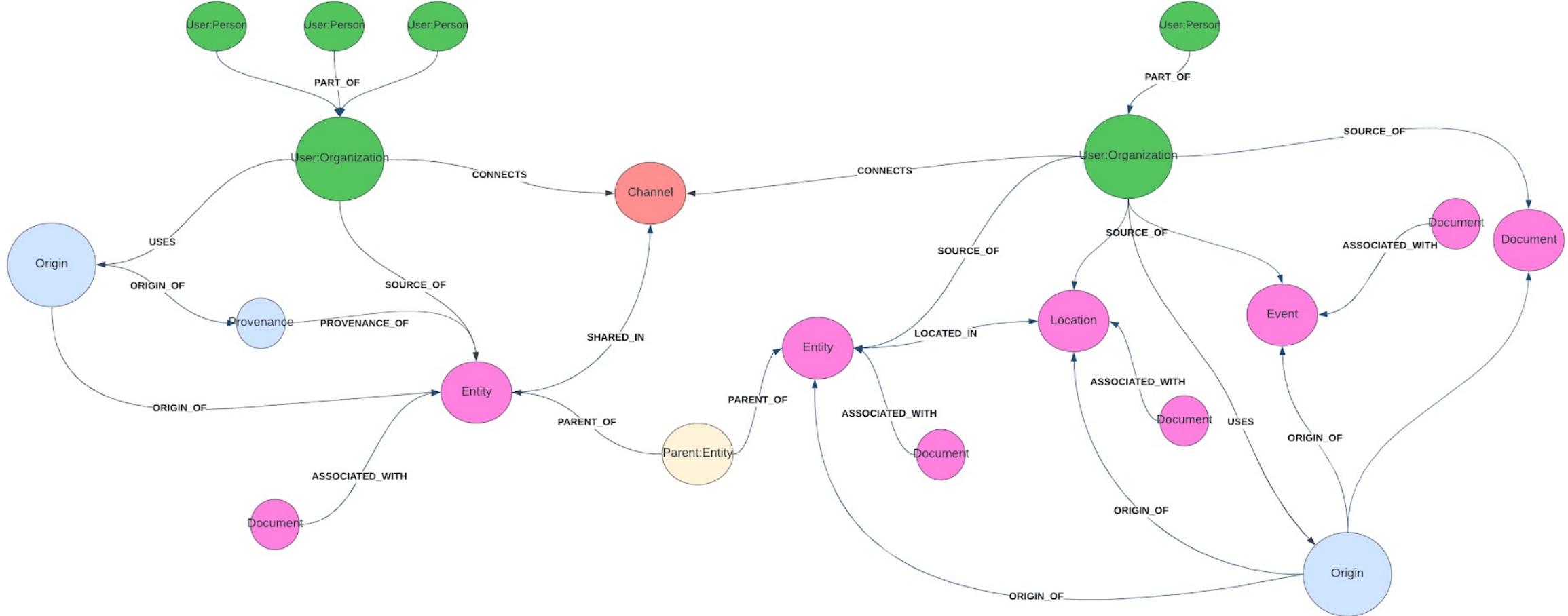


Businesses and NGOs improve their data management to better position themselves for funding

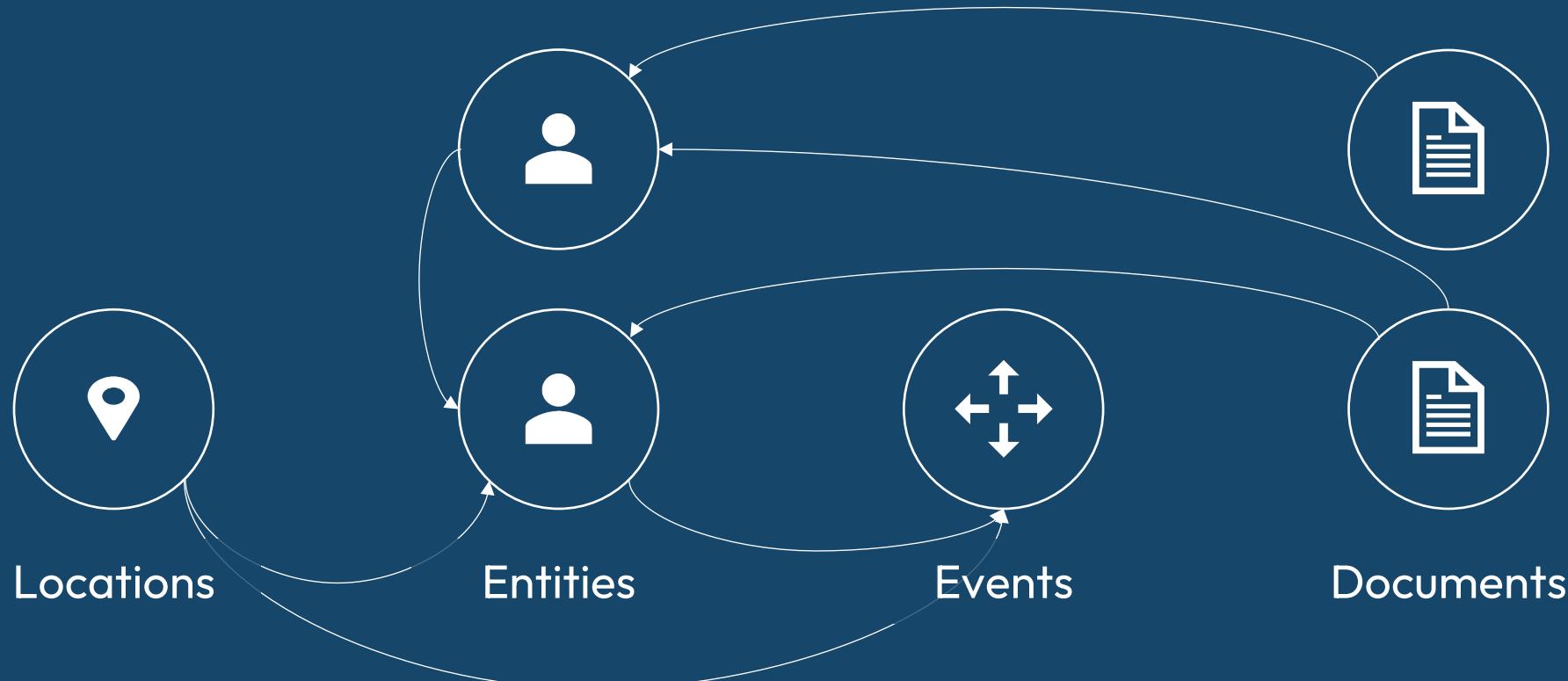
Investors and the development industry can better assess opportunities, mitigate risk and measure impact in complex environments



# Knowledge mapping



# Data aggregation around key subjects



# Overcoming data silos through incentives

(rewarding transparency)



**Structured compilation**



**Granular data marketplace**



**Consolidated insight**



# Platform Interface : the Data Wallet

Total Balance:  
**20.82 D\$K**

**Buy**  
Query and access information from other sources

**Swap**  
Exchange information with other users

**Sell**  
Find new clients for your information

### Data Chain of Custody

```
graph LR; A[STK-C00000580  
CODEMA  
Applications] --> B[STK-BE0000101  
HIVE osbl  
Applications]; C[STK-C00000734  
IFEDD  
Applications] --> D[STK-C00000101  
Alliance for Responsible Mining  
Applications];
```

**Data Subjects**    **Key Data**

Mine Sites	Other Locations	Supply Chain Actors	Other Stakeholders
Unique Subjects: 50 Data Points: 603 □ 188 Last Updated: 26 Nov 2021	Unique Subjects: 22 Data Points: 119 □ 54 Last Updated: 21 Jul 2022	Unique Subjects: 67 Data Points: 510 □ 63 Last Updated: 28 Sep 2022	Unique Subjects: 10 Data Points: 63 □ 8 Last Updated: 12 Oct 2022
<a href="#">View Subjects →</a>	<a href="#">View Subjects →</a>	<a href="#">View Subjects →</a>	<a href="#">View Subjects →</a>

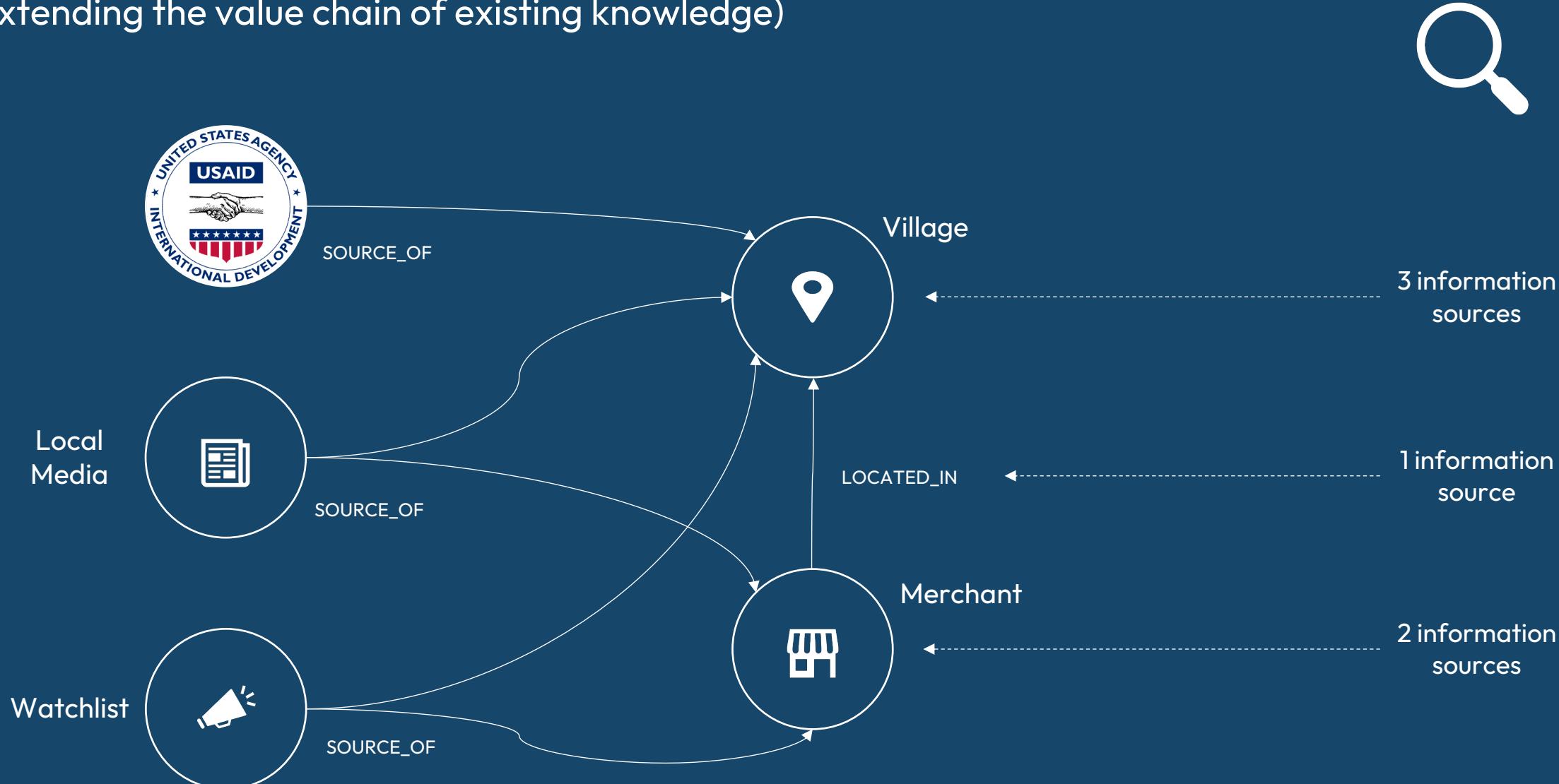
Incidents	Corrective Actions	Documents	Pictures
Unique Subjects: 14 Data Points: 5 □ 271 Last Updated: 19 Aug 2021	Unique Subjects: 2 Data Points: 0 □ 36 Last Updated: 06 Jul 2021	Unique Subjects: 14 Data Points: 56 □ 0 Last Updated: -	Unique Subjects: 7 Data Points: 0 □ 38 Last Updated: -
<a href="#">View Subjects →</a>	<a href="#">View Subjects →</a>	<a href="#">View Subjects →</a>	<a href="#">View Subjects →</a>

<https://youtu.be/BvxQ5y7-YWQ>



# Open data granularity

(extending the value chain of existing knowledge)



# Creating incentives for private data sharing

(circumvent silos)



# Creating incentives for private data sharing

(circumvent silos)



# Stimulate compilation of new, structured data

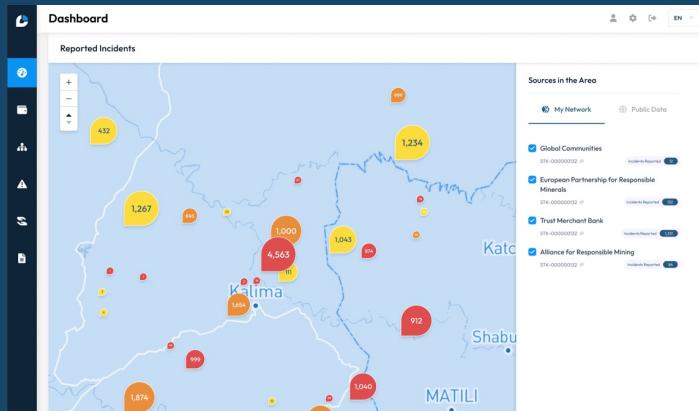
(knowledge management applications)



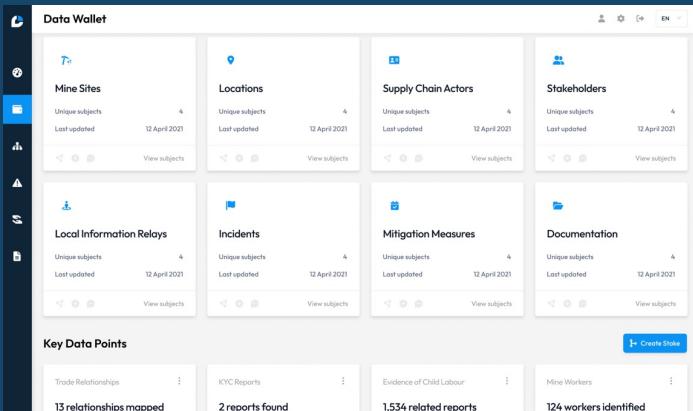
- Local businesses
- Local NGOs
- Community-based organisations
- Government agencies
- Consultants



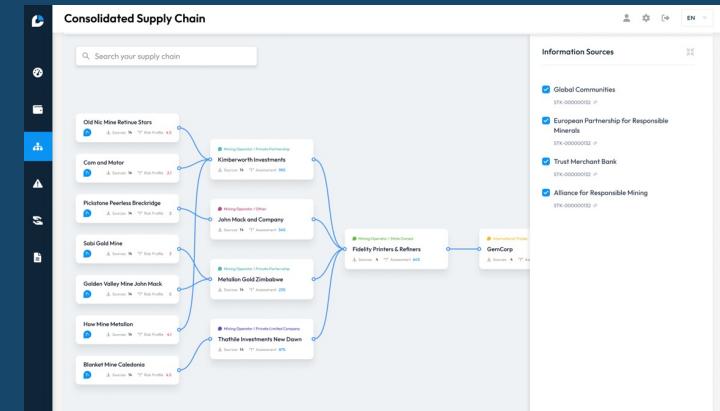
# Solutions for mining & mineral trade stakeholders



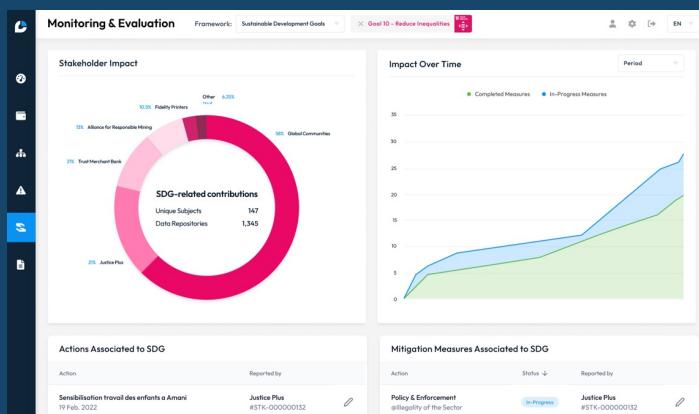
Crowdsourced monitoring



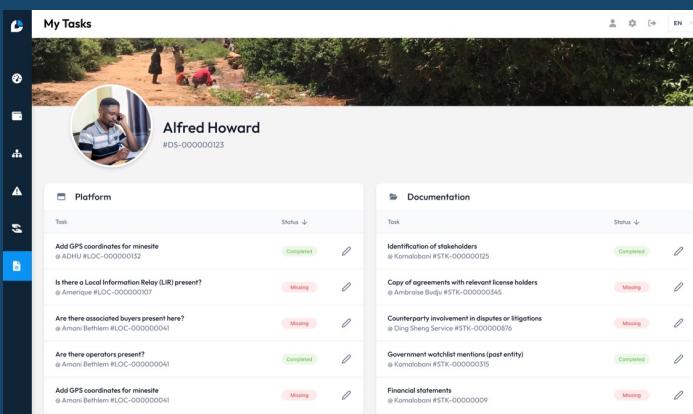
User's data wallet



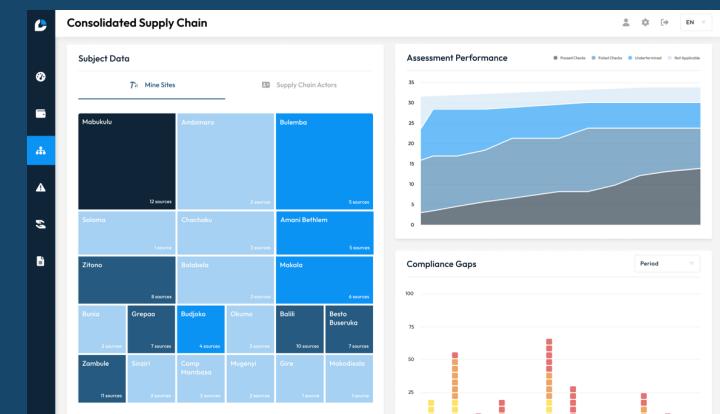
Consolidated supply chain map



Triangulated impact measurement



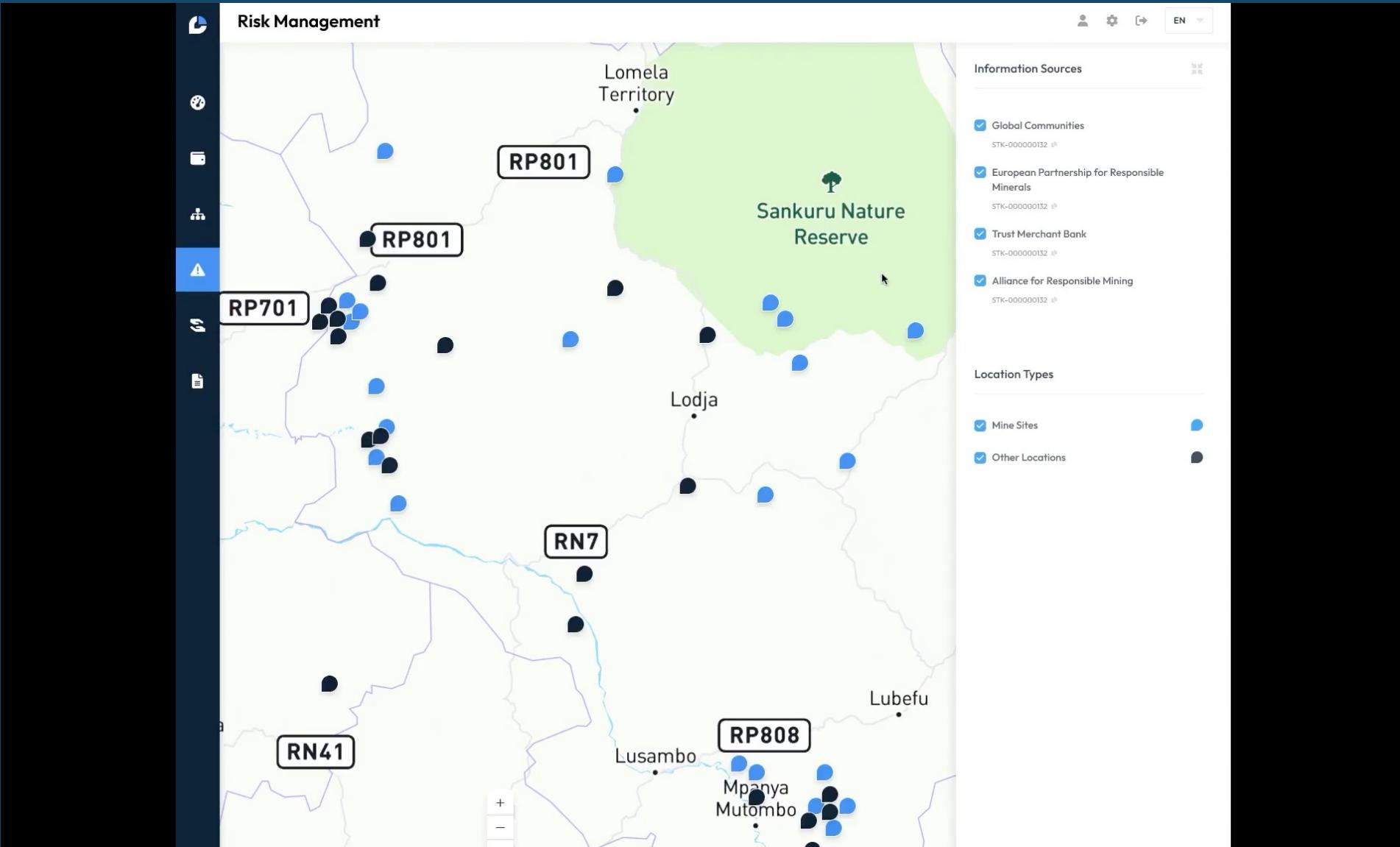
Local NGO activity management



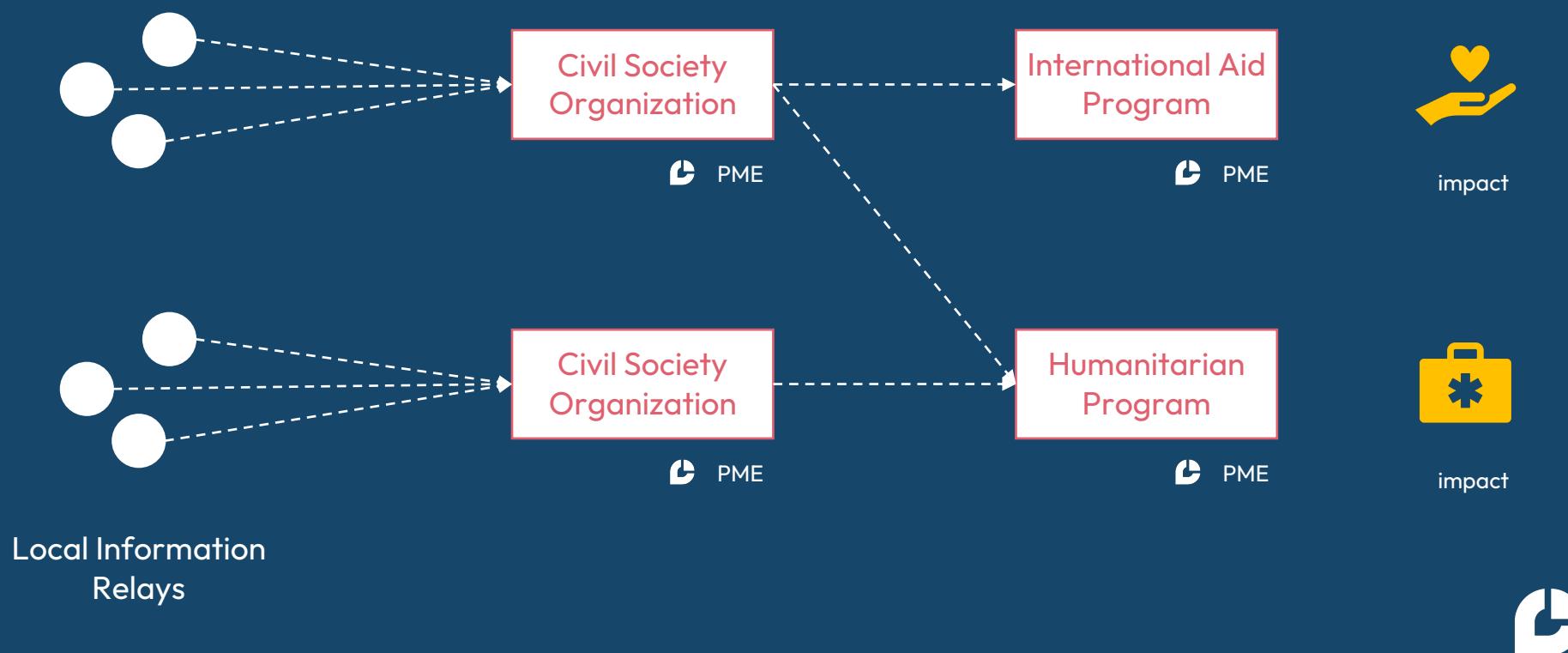
Collaborative risk management



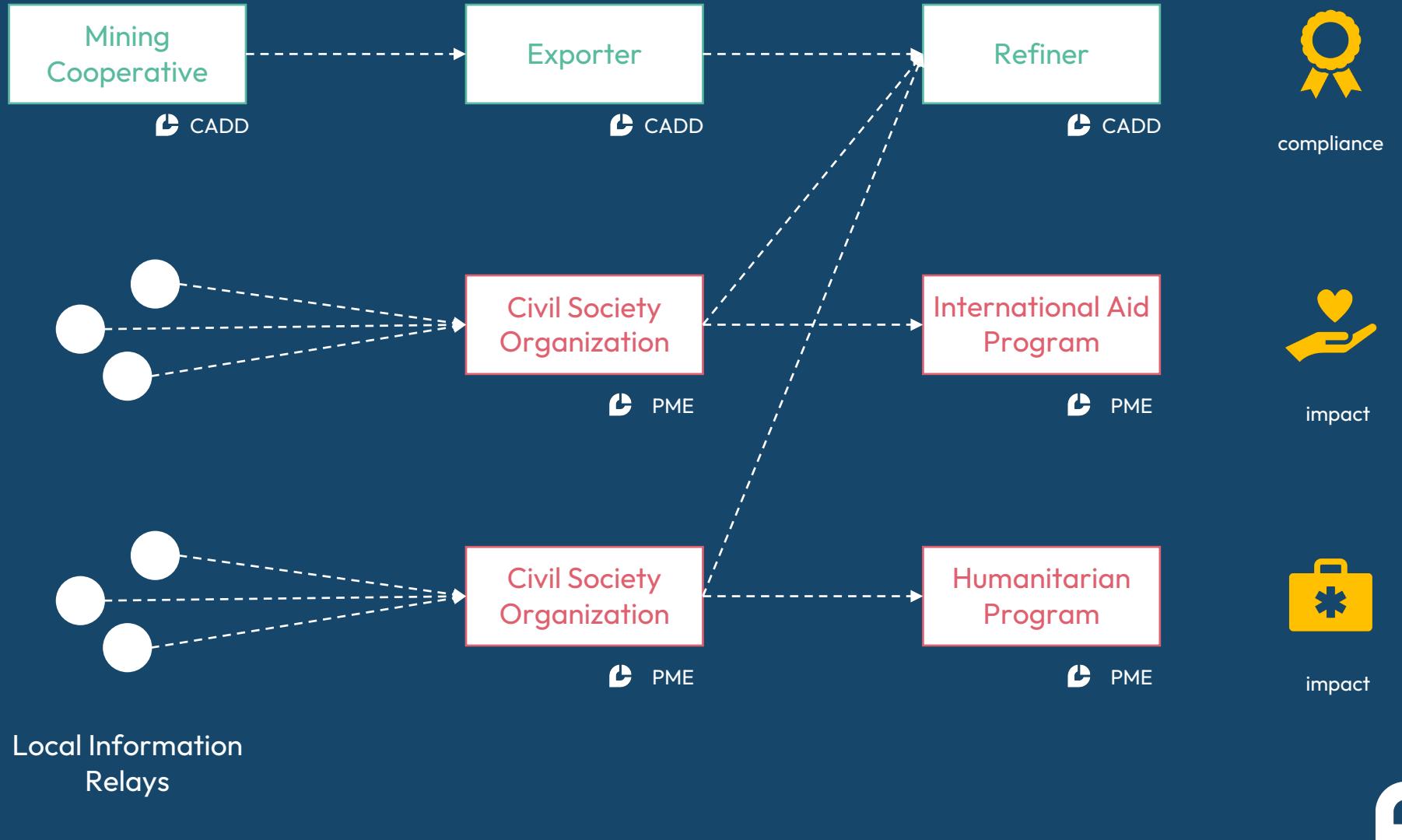
# Locally-led, coordinated risk management



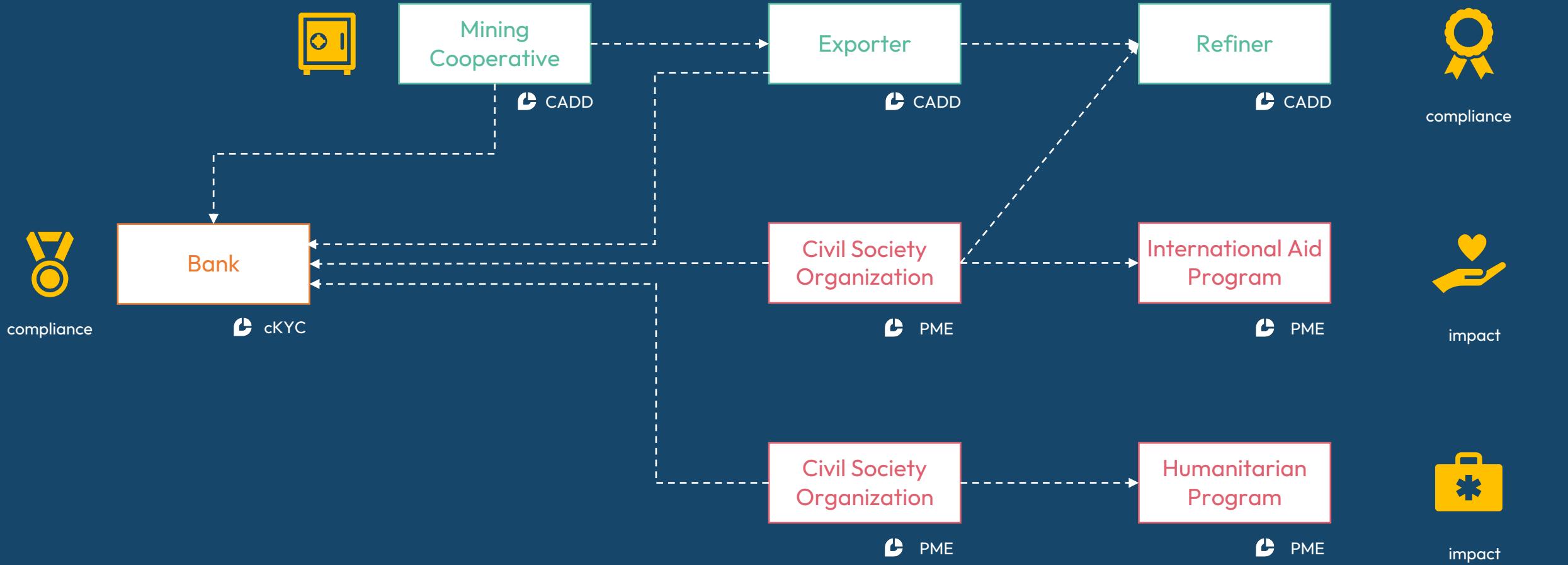
# Synergistic development interventions



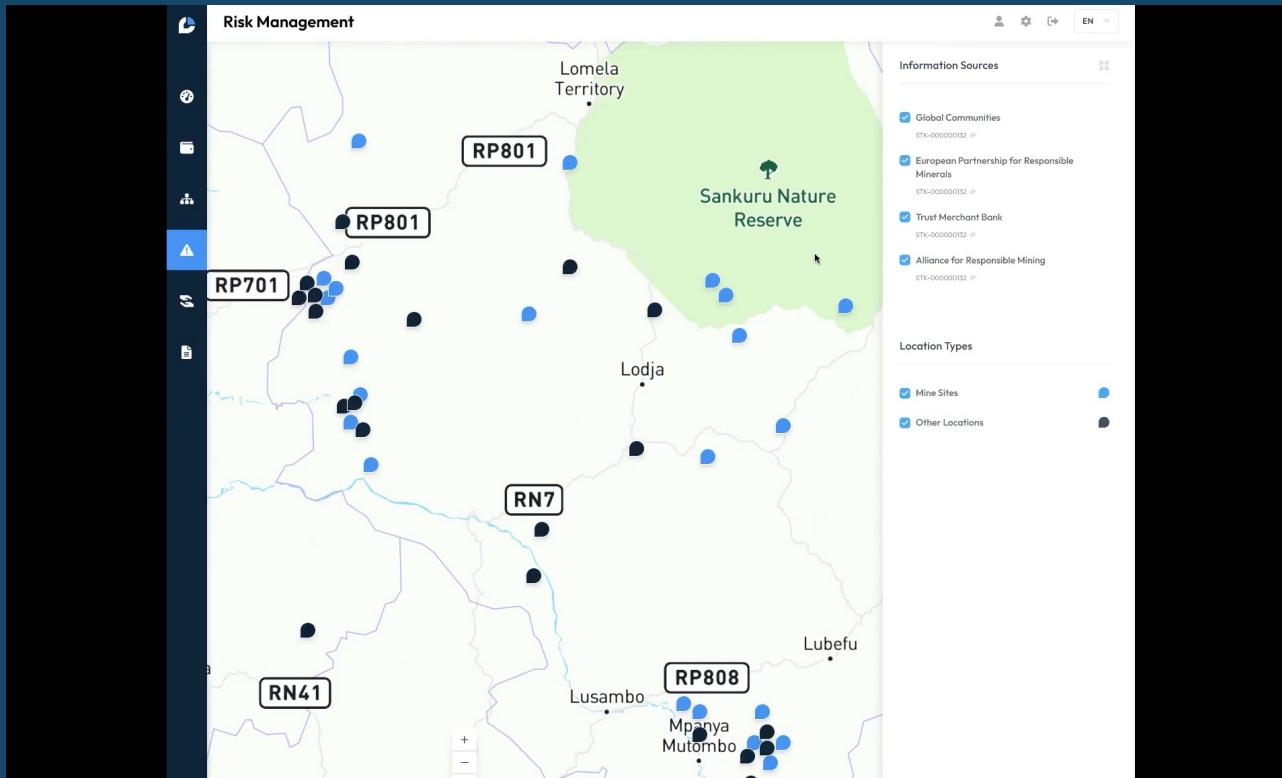
# Supply chain due diligence



# Financing of transparent mining operations

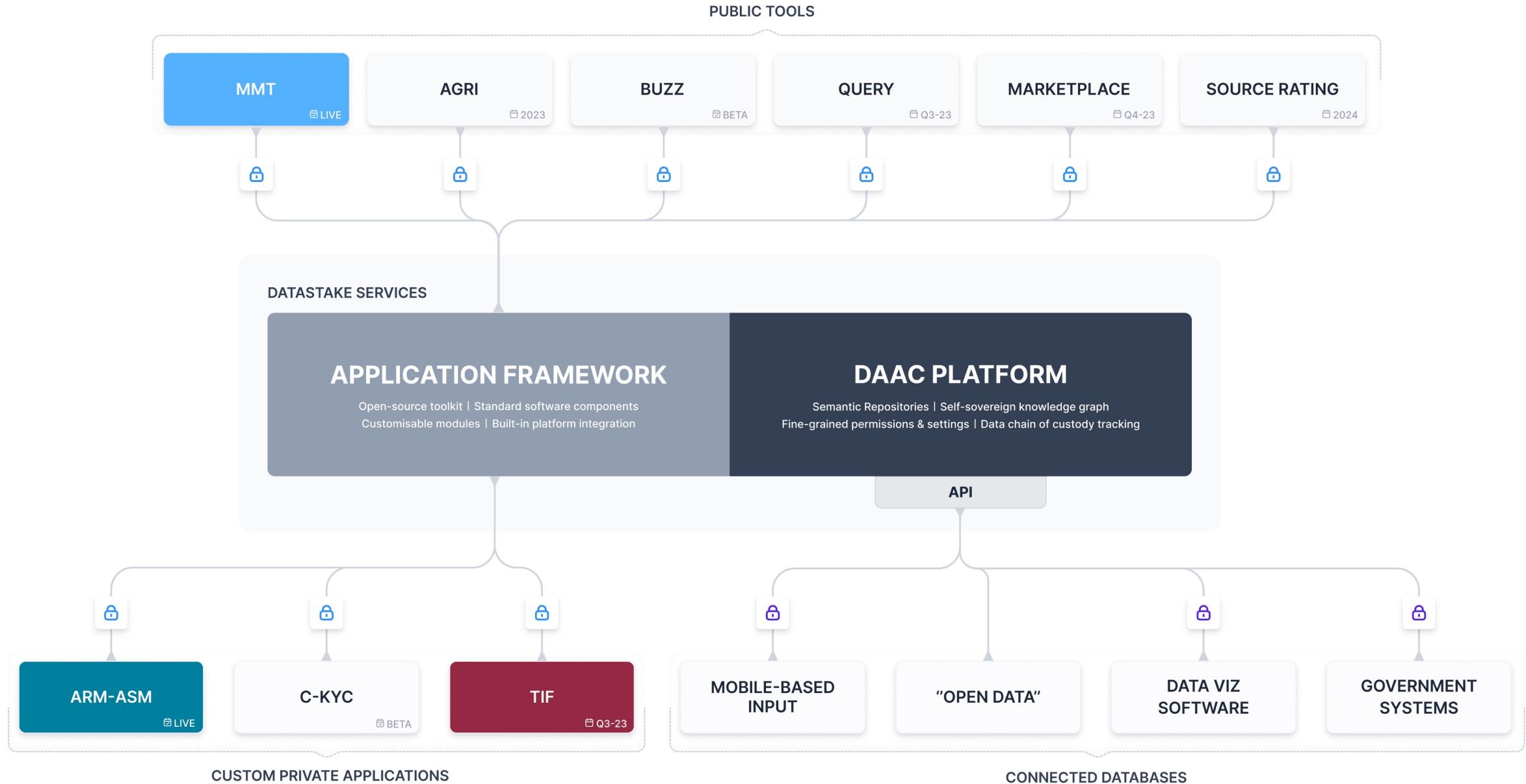


# Application-level incentives

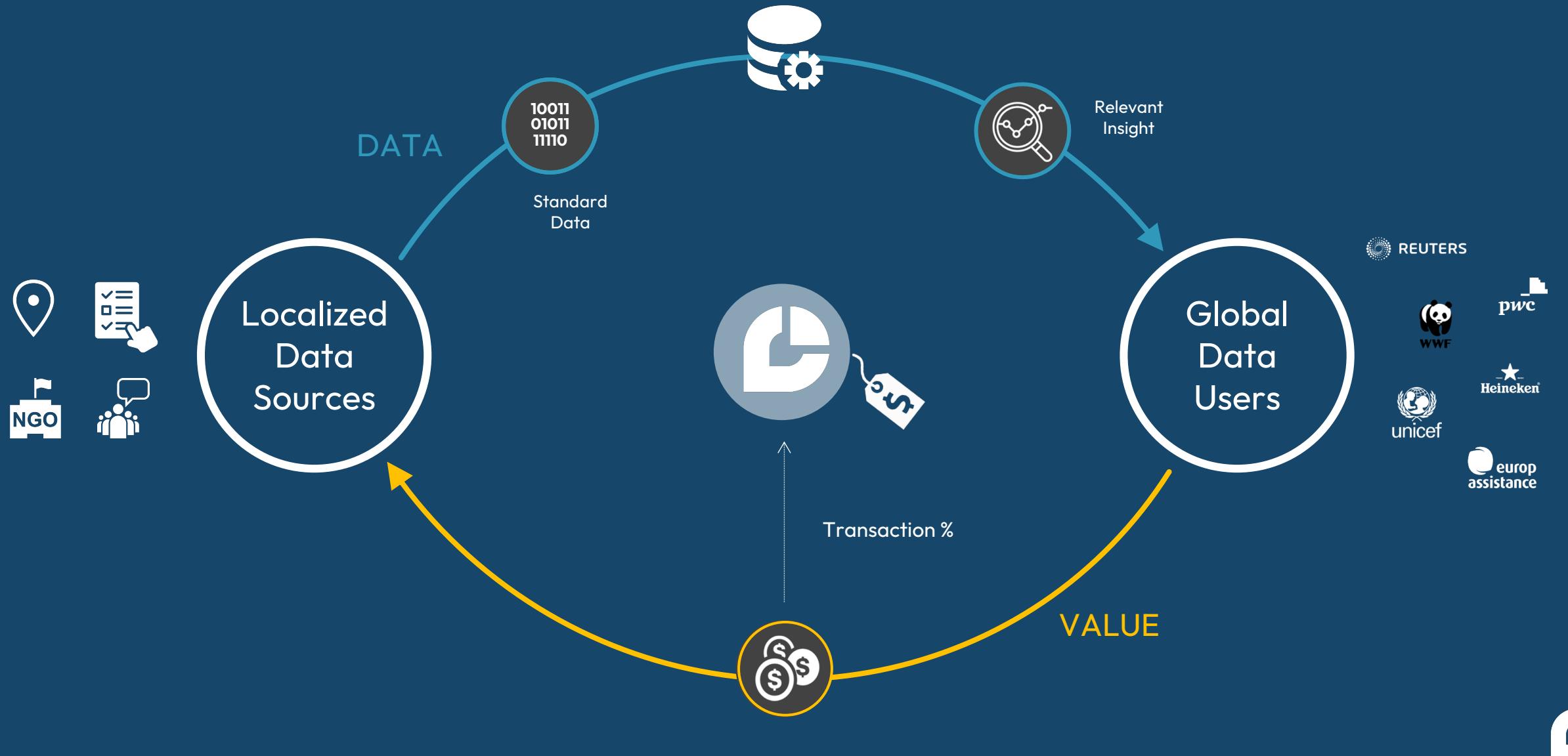


- Utility
- Data Custody
- Data Commoditization
- Triangulation





# From platform to protocol?



# Value at Risk



Data-starved  
exposure

\$ 50 bln



Annual Development Assistance

*World Bank (2019)*

No mechanism exists to reliably monitor  
the impact of international aid, track SDG  
indicators

\$ 83 bln



Annual Foreign Direct Investment

*UNCTAD World Investment Report (2021)*

Private sector investment is hampered by  
expensive & inefficient market research,  
due diligence, risk management



# **Local actors will solve local challenges**

[info@datastake.io](mailto:info@datastake.io)

<https://datastake.io>

