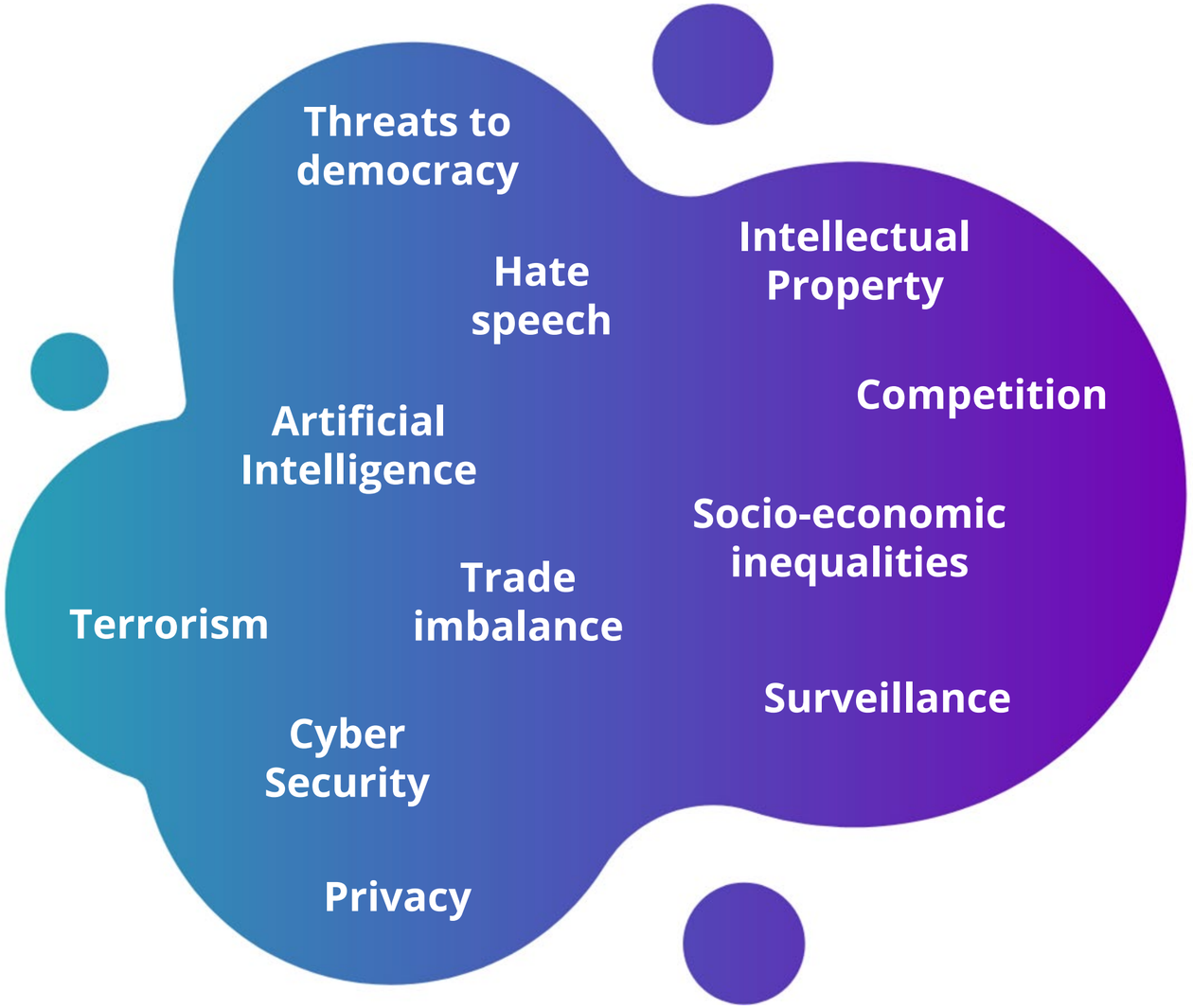
DATASPHERE INITIATIVE

Responsibly unlocking the value of data for all

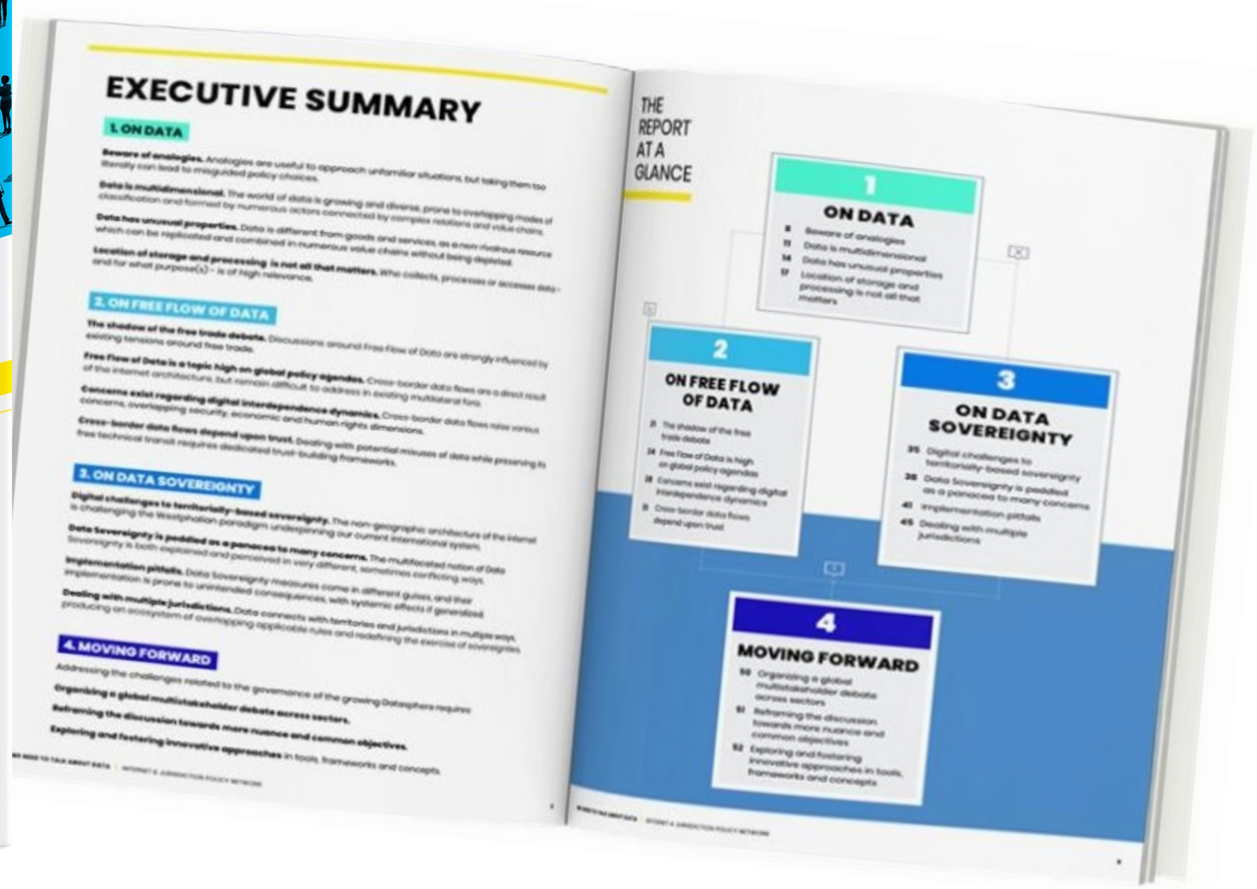
DATASPHERE
INITIATIVE

ON NARRATIVES



Data is cross-cutting and is on the top of national and international agenda

UNPACKING POLARIZING NARRATIVES



Referenced by:

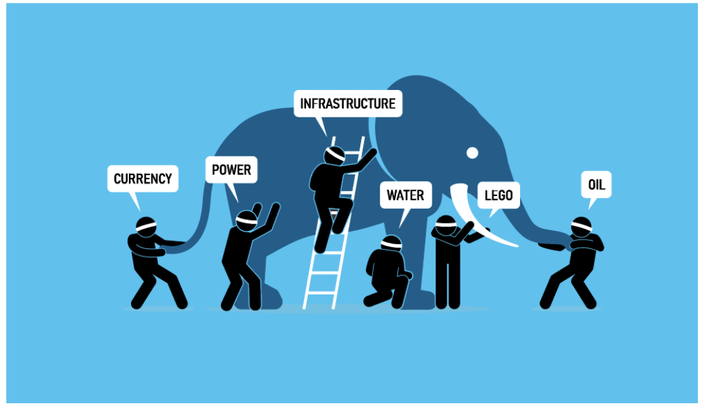
G7 UK 2021

UNITED NATIONS
UNCTAD

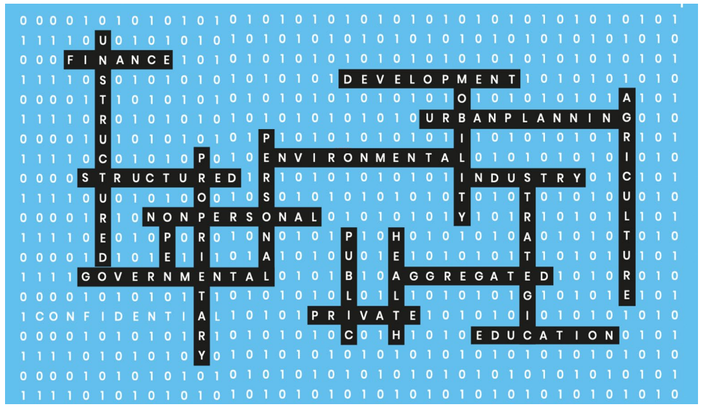
WORLD TRADE ORGANIZATION

DATASPHERE
INITIATIVE

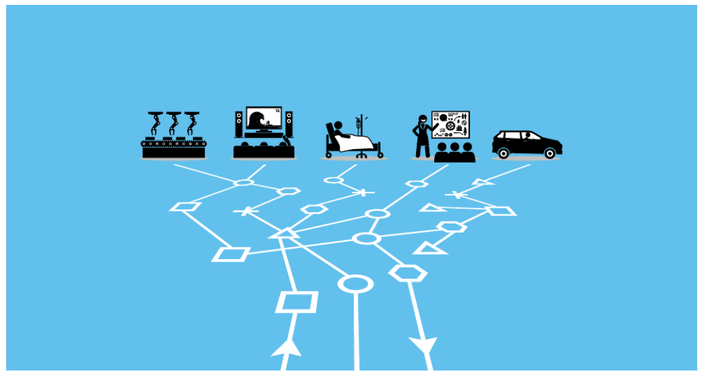
BEWARE OF
ANALOGIES



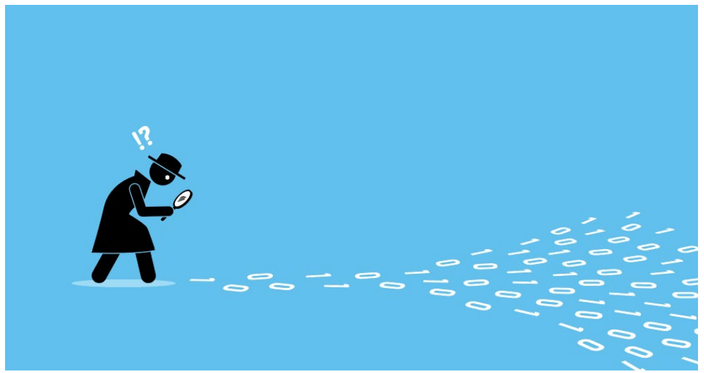
DATA
MULTIDIMENSIONAL



DATA HAS
UNUSUAL PROPERTIES



LOCATION OF STORAGE AND
PROCESSING
IS NOT ALL THAT MATTERS



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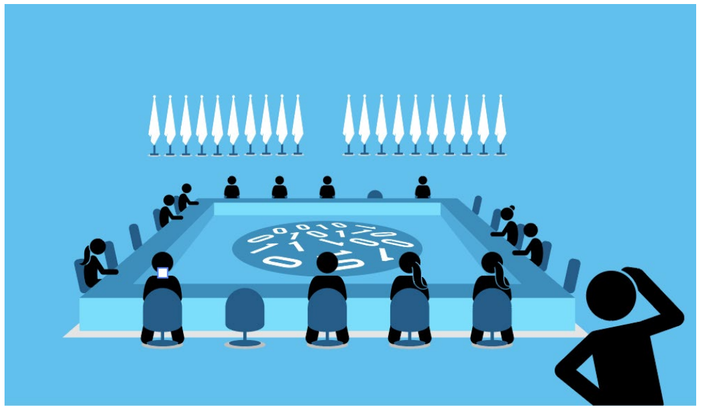
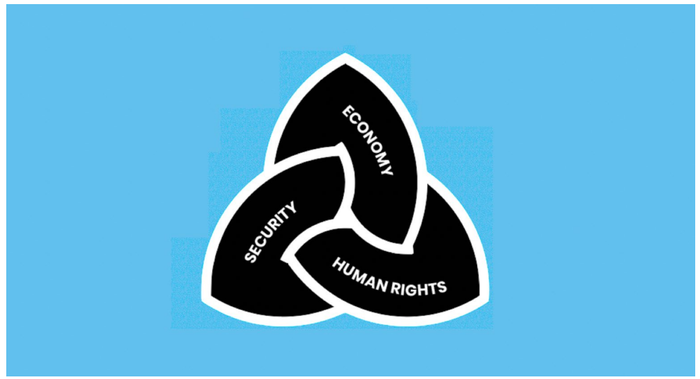
THE SHADOW OF
THE FREE TRADE DEBATE

FREE FLOWS OF DATA IS A TOPIC HIGH
ON GLOBAL POLICY AGENDAS



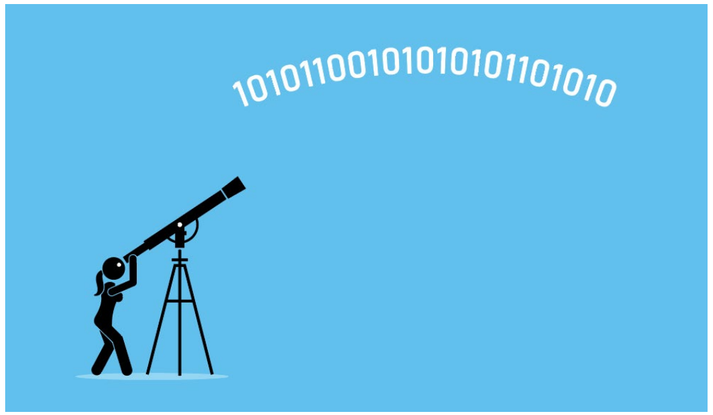
CONCERNS EXIST REGARDING DIGITAL
INTERDEPENDENCE DYNAMICS



ENHANCING TRUST FOR CROSS-BORDER
DATA FLOWS IS CRITICAL

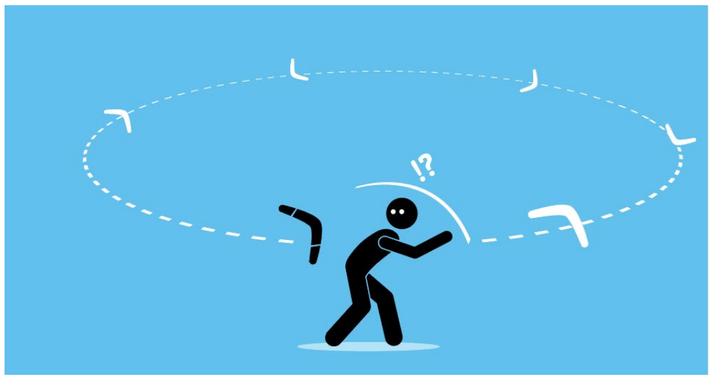
DATASPHERE
INITIATIVE

DIGITAL CHALLENGES TO
TERRITORY-BASED SOVEREIGNTY



DATA SOVEREIGNTY IS PADDLED AS A
PANACEA TO MANY CONCERNS

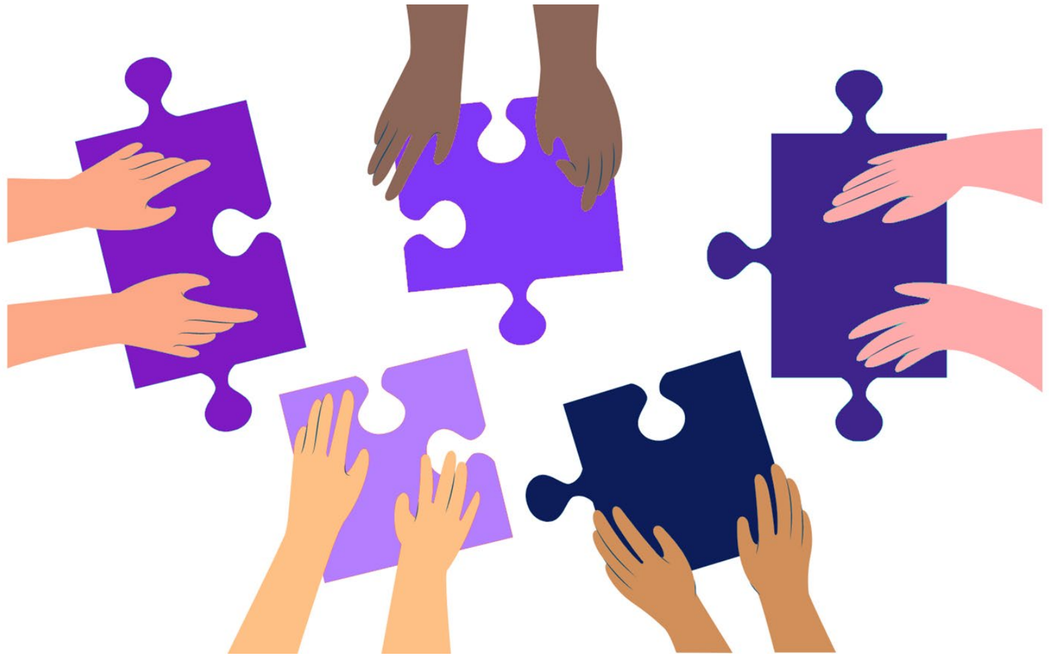
IMPLEMENTATION
PITFALLS



DEALING WITH
MULTIPLE JURISDICTIONS

The various issues related to data governance are addressed in separate silos and the patchwork of uncoordinated actions creates more problems than it solves.

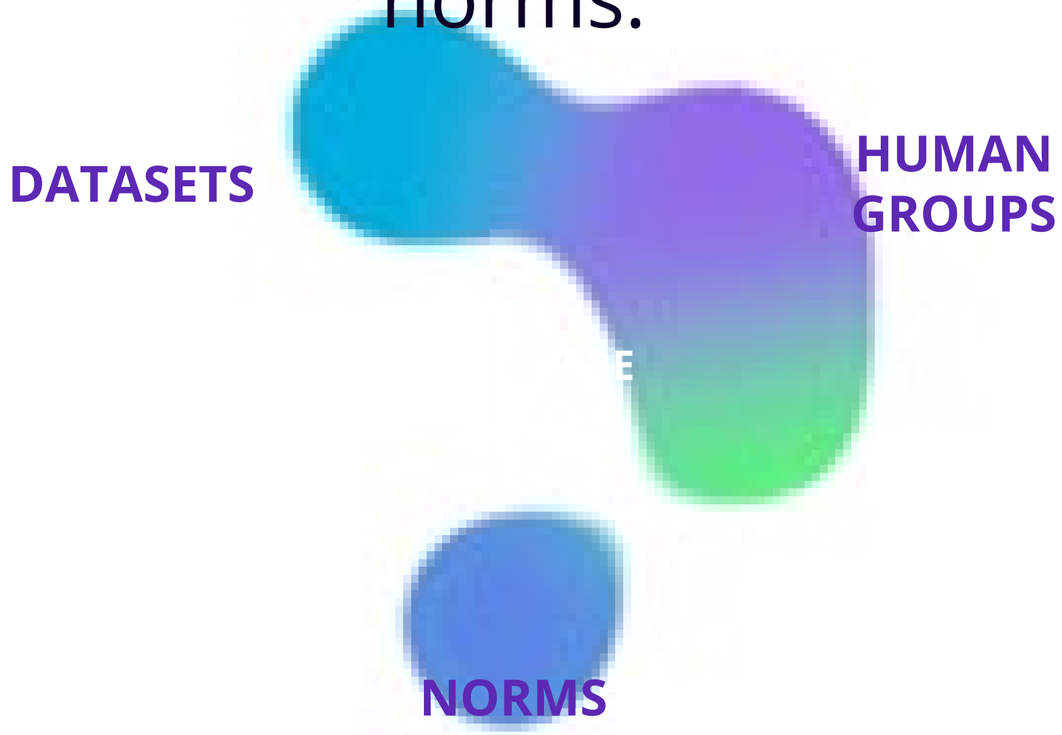
We are missing the vocabulary, frameworks and instruments to deal with data through a holistic and innovative perspective.



There is a need for a more systemic, innovative, and positive approach

Leveraging the concept of **the Datasphere**

The complex system encompassing all types of data and their dynamic interactions with human groups and norms.



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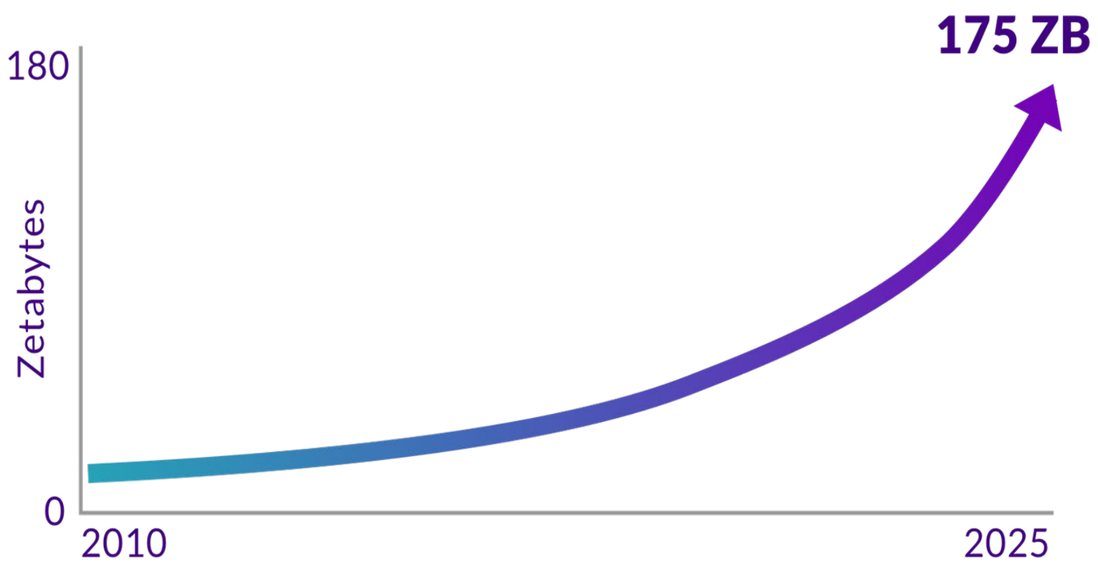
ON UNLOCKING VALUE

Volume of Data Produced Worldwide



(Reinsel, Gantz, Rydning, 2018)

The measurement of economic and social value of data is a major challenge

FOR IDENTIFYING INCENTIVES

FOR MEASURING IMPACT

FOR FOSTERING EQUITY

DATASPHERE
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ON RESPONSIBILITY

Our binary world

Protection][**Openness**

Clarity, predictability

Clear Challenges

Protection

Openness

Cambridge Analytica

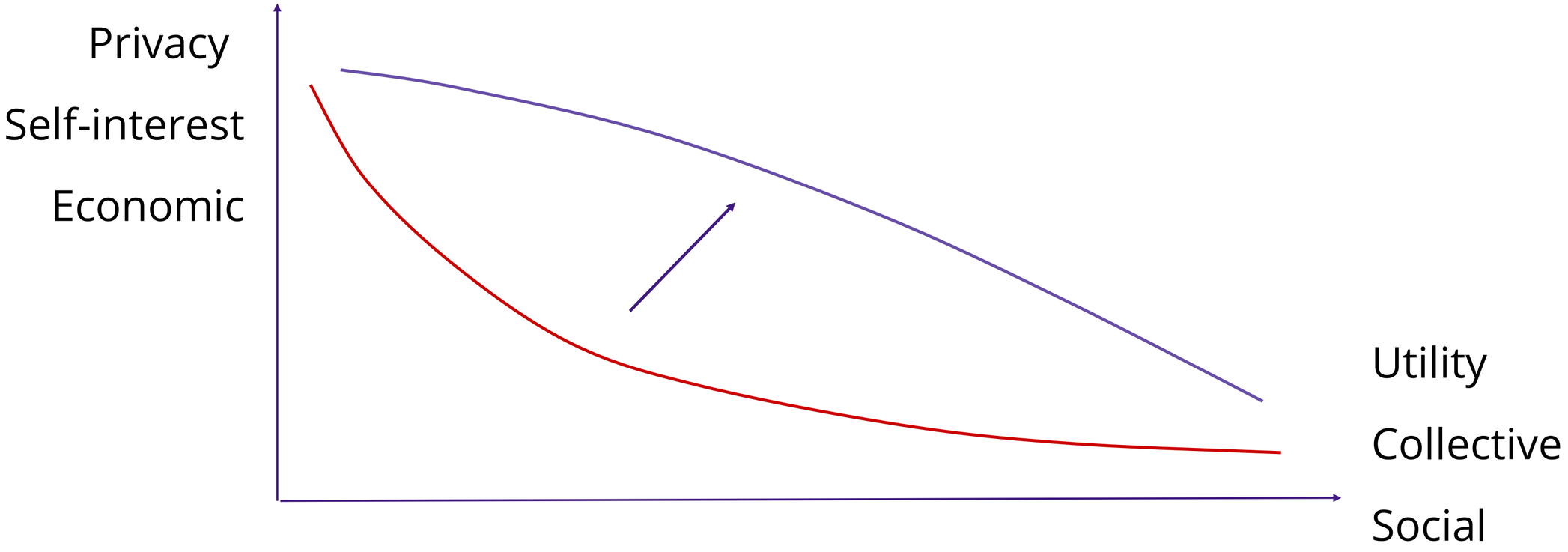
Missed opportunities

Opportunity for misuses

Goldilocks Zone

Opportunities, but disincentives

A classic (Pareto) dilemma



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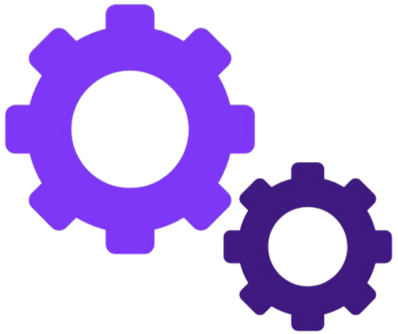
MOONSHOTS

SANDBOXES FOR DATA

SANDBOXES FOR DATA



Operational sandboxes: testing environments where hosted data can be accessed and used

→ handle data

Regulatory sandboxes: collaborative processes where regulators, service providers and relevant stakeholders test innovative technology and data practices within a regulatory framework

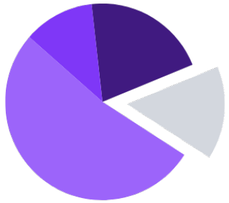
→ provide dialogue and guidance on how data is handled

ADDRESSING CROSS-BORDER ISSUES

Paradigm shift(s)

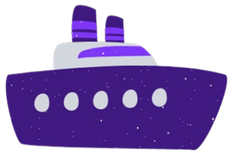
Between
“regulate-and-forget”
and
“wait-and-see”

“Adapt-and-learn”

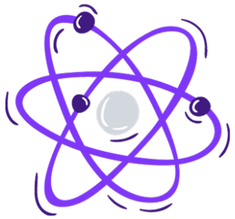


Trade

Health



Mobility



Science

NEXT STEPS

Expert group

Learning & case studies

Pilot projects

Global Forum on Sandboxes for Data

BOTTOM-UP APPROACHES

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Paradigm shift(s)

Technological innovations (PETs)
(Homomorphic encryption, federated learning, zero knowledge validation, multi-party computation)

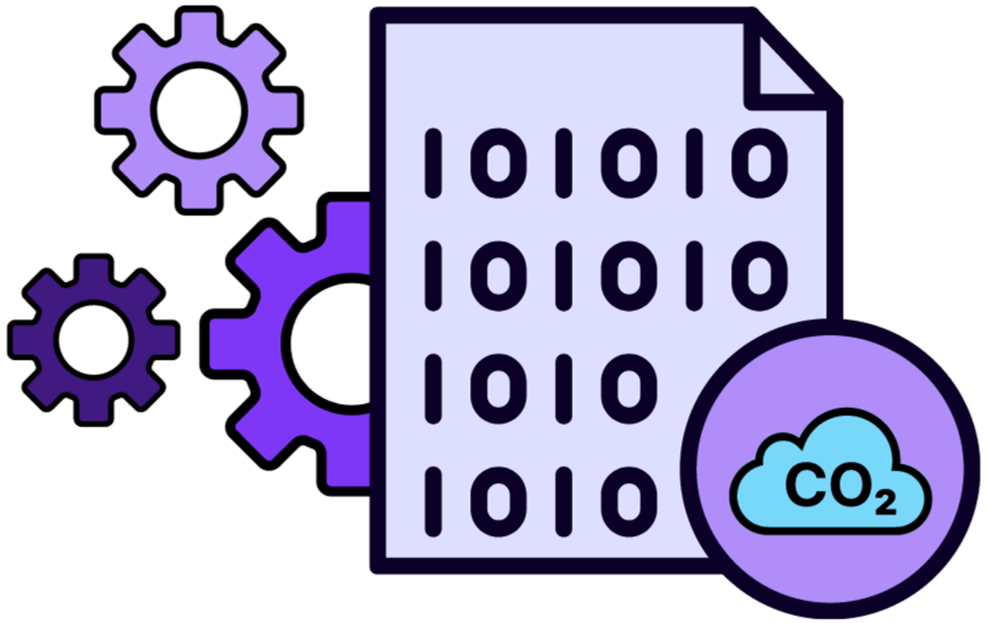
From Data Flows to Access Rights

Concrete problems

Sharing data from supply chains
(Scope 3 CO2 Emissions)

Use of Homomorphic Encryption (SINE)

NEXT STEPS



A bottom-up approach

“Data-Sharing Communities”

Modular Governance Charters

A FRAMEWORK CONVENTION

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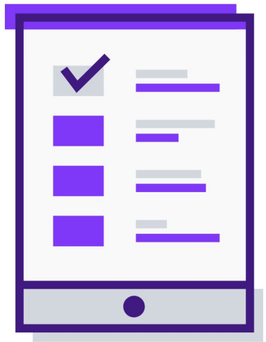
Paradigm shift

Data Centers in Space

A Framework Convention for the Datasphere



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"Existing institutional frameworks at the international level are **not fit for purpose** to address the specific characteristics and needs of global data governance"

Digital Economy Report 2021
Cross-border data flows and development: For whom the data flow
(UNCTAD, 2021)

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A MOVEMENT

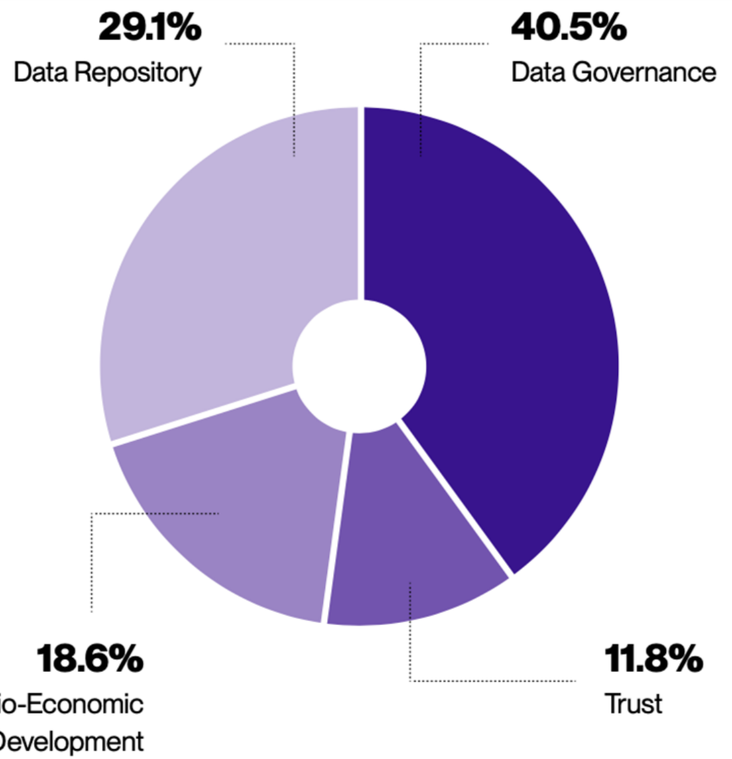
thedatasphere.org

DATASPHERE GOVERNANCE ATLAS

200+

Organizations

Objectives of organizations



Source: Datasphere Governance Atlas Database (March 2022)

OUR COMMUNITY

DATASPHERE INITIATIVE

aapti institute

APNIG

Centre for International Governance Innovation

CONNECTED BY DATA

CSEA Centre for the Study of the Economies of Africa

CyberPeace Institute

D4D.net Data for Development

DataPrivacyBR Research

eLAC 2024 Agenda digital para América Latina y el Caribe

EDGELANDS institute

GLIA FOUNDATION

Global Partnership for Sustainable Development Data

OMIDYAR NETWORK™

INDIANA UNIVERSITY BLOOMINGTON OSTROM WORKSHOP

PEOPLE-CENTERED INTERNET

SINE

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

In partnership with unesco

WILLIAM + FLORA Hewlett Foundation

ZAMA

How we will govern the human-created global Datasphere will determine the future of human society in the 21st century

Let’s be:

BOLD

INNOVATIVE

AMBITIOUS

AND … PERSISTENT

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THANK YOU!

DATASPHERE

Datasphere Initiative News

Community Highlights

Events for the diary

Job opportunities

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