Understanding geo-ethics in a data driven world
How we can support the responsible use of geospatial data

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Who we are

FCDO
The UK Foreign, Commonwealth and Development Office pursues the UK’s national interests and project the UK as a force for good in the world. Some of the ways we do this include reducing poverty and tackling global challenges with our international partners.

Data for Development

The Data for Development team, supports partner countries to produce and use responsible inclusive open data and to improve the quality and availability of essential data including census and surveys.

Examples of our programmes:
- Monitoring the SDGs
- GRID3
- Global Partnership for Sustainable Development Data
- PARIS21
Geospatial data is critical to solving many global problems

Urbanisation – Africa population set to double by 2050

Economic Growth – Poorest countries face challenge in growth, tax and export

Access to Education – Pandemic will lead to trillions in lost earnings

Humanitarian Need – New crises emerge while old ones persist

Climate Disaster – Higher frequency of heatwave, drought and flood
Contact-tracing app for England and Wales 'hampered by loss of public trust'

Summer of UK government scandals will reduce take-up of Covid-19 app, says expert

Coronavirus - latest updates
See all our coronavirus coverage
Realising opportunity – striking the right balance between no data and data hoarding

Data Fearing – The Wasteland

There is a danger that unaddressed fears prevent us from realising its full benefits.

Data hoarding – The Oil Field

There is a danger that in some places, organisations hoard data.
“As global efforts to develop new frameworks around the responsible use of emerging technologies begin to take shape, it is imperative that they address not only the human rights implications of ‘misuse,’ but also those of ‘missed use’” – Robert Kirkpatrick
“Data ethics” is more established as a concept

As data ethics becomes more established as a concept – the number of initiatives, frameworks and principles begins to grow

Interest in ethics:

• Searches for ‘data ethics’ have increased 75% since 2018
• 20% increase in searches for ‘location ethics’ in 2022

But is this interest and activity adding value?
Legislation vs guidance

A robust policy and legal framework is essential for instituting effective, efficient and secure management and exchange of geospatial information.

Legislation important part of ensuring that data is used responsibly but not agile enough to adapt quickly to the pace of technology change – risk that data might be misused legally to cause harm.

Guidance needed to support users where the legislation doesn’t yet cover the needs of people who might be harmed by data.

Integrated Geospatial Information Framework will deal with this under pathway 2 (legal and policy). Ethics not in original draft but currently working on an ethics paper.
A crowded geo-ethics landscape
OCED Geospatial Lab – understanding the geo-ethics landscape

Initiative to encourage the widespread adoption of geospatial data in shaping policies. Creating an international community of stakeholders to share knowledge and co-operate in production and use of geospatial data – emphasising policy implications of geospatial data use.

**Ethics workstream:**

1. To create an overview of all the geo-ethics/data ethics principles developed worldwide, so that they can be shared and compared.
2. To create a space where geo-ethics practices and perspectives from various countries, cultures and systems can be shared and compared.
3. To investigate how geo-ethics can be translated into policies.

Developing interactive knowledge sharing platform/ repository hosted by the OECD, filled with geo-ethics initiatives and experiences and methodology on how to enable collaboration on geo-ethics in the policy arena.

https://oecd.org/regional/regional-statistics/ethical-data.htm
WHAT ACTION CAN WE TAKE TO SIMPLIFY THE UPTAKE OF GEO-ETHICS?
Collaboration

Take every opportunity to push initiatives to work more closely together

Committee of Experts on GGIM uniquely positioned to help consolidate activity for the benefit of users

There are lessons to be learned from the integration of statistics and geospatial – sudden burst of interest led to lots of duplicating activity – EG-ISGI, IAEG-SDGs, GISCO, UNECE etc

Push for organisations to work together on statistics and geospatial – start with technical standards for integrating statistics and geospatial information
OPAL – Open Algorithms Project

Unlock potential of data collected by private organisations to support the Sustainable Development Goals (SDGs) around the globe, through safe, open and fair technological and governance systems.

Use of big data for policy hampered by legitimate ethical and commercial sensitivities.

OPAL concept combines privacy-preserving technology and participatory governance system as well as capacity strengthening activities.

Framework enabling public-private data collaborations where data can be fostered to provide an accurate picture to policymakers with governance, ethics and privacy as the essence of the work.
PLACE Data Trust

PLACE delivers optical imagery of countries that they would usually find difficult to finance, produce, and maintain on their own.

Established as a legal trust – a permanent legal data trust which holds all PLACE data and licenses. All data held by PLACE belongs to the government of each country but PLACE receives an irrevocable, perpetual, royalty free license to a copy of all data and its use by PLACE members.

Built around ethical use of data. PLACE and their members support the Locus Charter international principles that support ethical and responsible practice when using location data.
Summary

▪ As the use of geospatial grows so do the opportunities to misuse the data. We must let fear of use restrict opportunity.

▪ Interest in ethics as a concept has led to a number of initiatives to develop principles and frameworks – creates a risk of duplication and confusion for users.

▪ Most initiatives are coming from developed countries – need more views on ethics from developing countries to ensure equity

▪ We need to focus on consolidating existing work programmes to avoid duplication, fill gaps and make ethics easier to implement

▪ Also need to look beyond ‘frameworks’ to other models of ensuring data is used responsibly