

# OPEN DATA & OPEN KNOWLEDGE Workshop

SA Open Data Frameworks and  
Practices

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SOUTH AFRICAN  
GROUP ON EARTH  
OBSERVATIONS

# OUTLINE

- Significance of open data
- SA data overarching frameworks
- International data sharing principles
- Facilitation of Open data
- SA Open data practices and models
- Common Insights



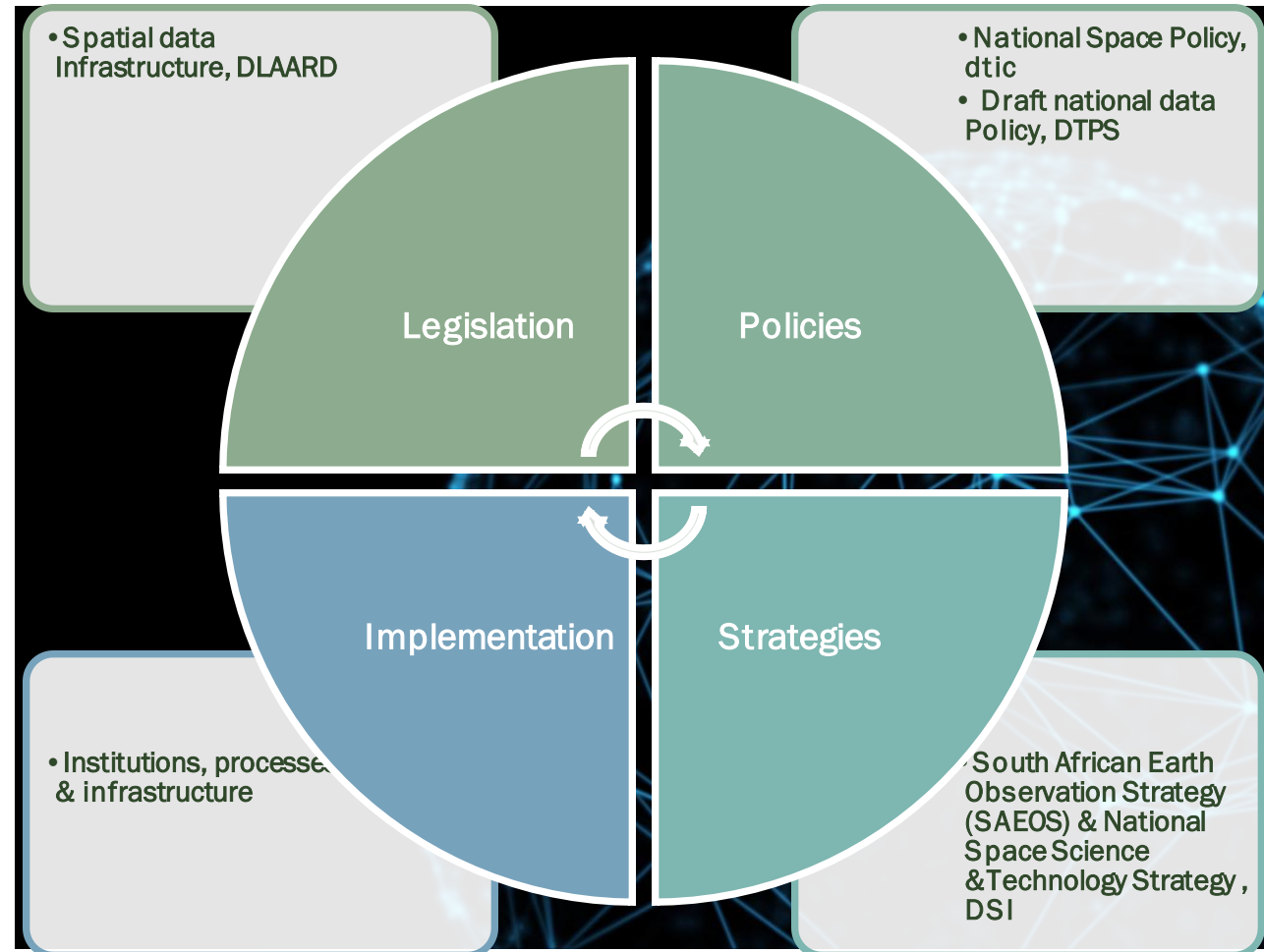




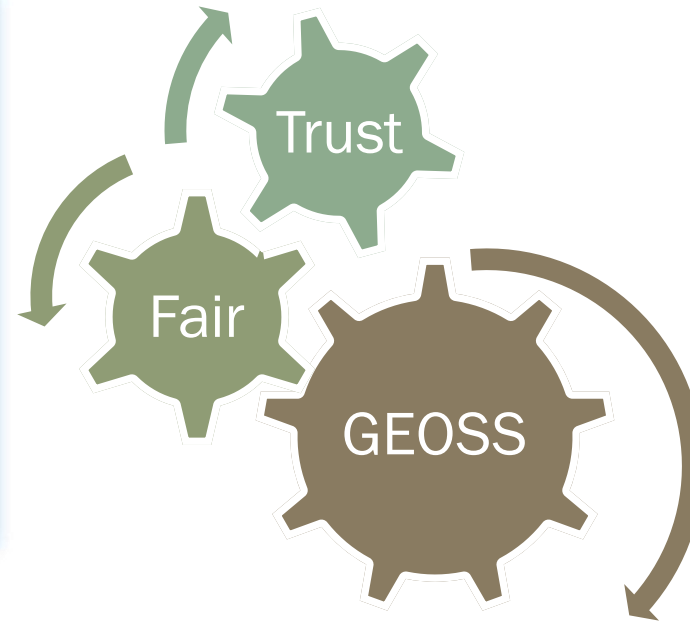
# Significance of Open data

- Increased access to data
- Adherence to data sharing principles
- Transparency and accountability
- Reduced duplication
- Interoperability and discoverability
- Improved decision making

# SA Open Data Frameworks



# International Data Sharing and GEOSS principles



- Full and open exchange of data, metadata and products shared within GEOSS
- All shared data, metadata and products will be made available with minimum time delay and at minimum cost;
- All shared data, metadata and products being free of charge or no more than cost of reproduction will be encouraged for research and education

# SAGEO Open Data Facilitation Mechanisms

## SA-GEO Communities of Practice (CoP) Engagements

- Data Governance CoP
- Earth Observations Infrastructure CoP
- Best practise guidelines (under development)
- Open data policy recommendations



CoP Integrated Workshop, 30 May 2023 , CSIR , Pretoria South Africa

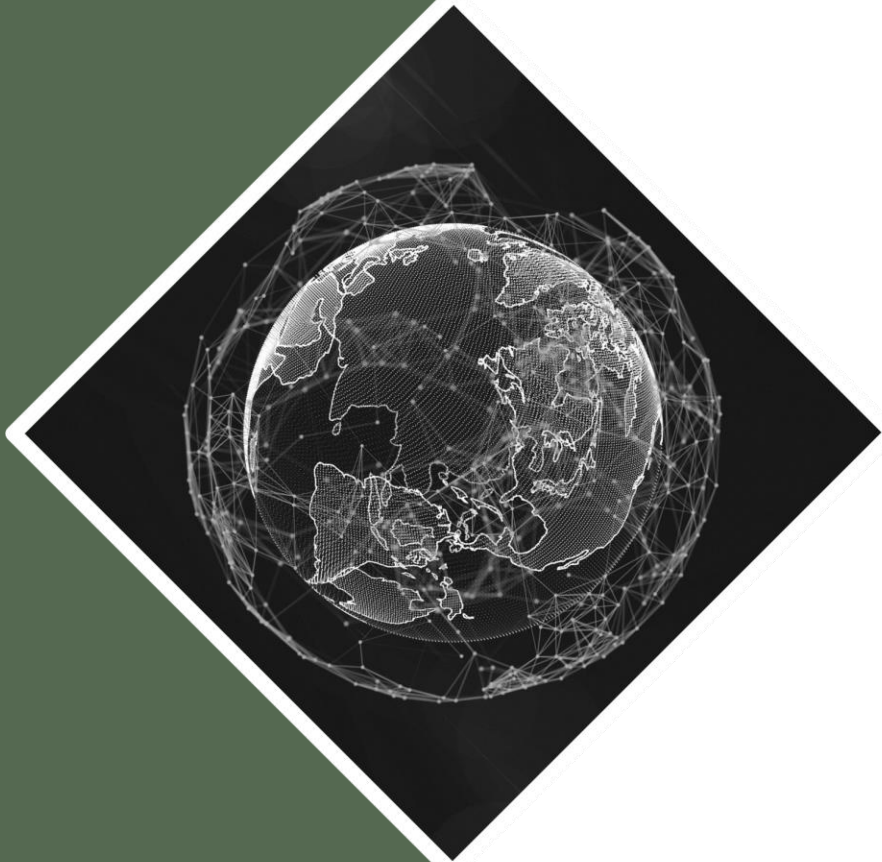


# Open data Infrastructure Examples



Many of these systems are directly or indirectly funded by the South African government, often through DSI , DFFE , and administered by gov institutions i.e SANSA, NRF , CSIR

# MARCOSIO Portal



- Built according to the international and national standards and guidelines
- Information is powered by insitu and EO
- Different decision support tools with diff stakeholders
- Philosophy of openness technology –accessibility of knowledge
- Open source –cost , scalable



# Common Insights

- Adherence to international standards ,principles and rules to facilitate data discovery and exchange.
- Maintain openness , security and reliability.
- Support of a variety of data formats and data sources (Diff decision support tools).
- Wide variety of and different levels of data use, ranging from basic data provision and preservation to value addition and decision support.
- Engagements with and support to data owners and users in order to facilitate data sharing.
- Public data is openly available, whilst commercial data has some restrictions.
- Some are linked and discoverable to the GEOSS Portal.
- Some need to enhance capability to allow cross-link of metadata as part of the global network.



# CONTACT DETAILS



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