

GEODESY THEME IN THE SOUTH AFRICAN SPATIAL DATA INFRASTRUCTURE

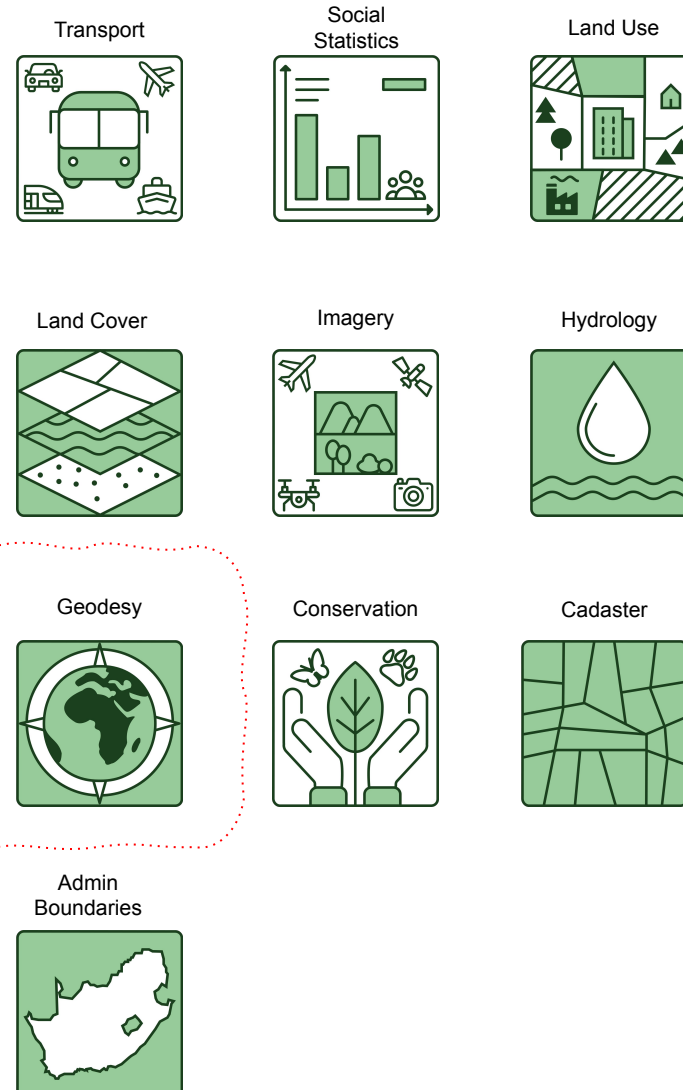
**Mr Dalikhaya Mdunge
CSI Chairperson**

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GEOSPATIAL DATA THEMES

SASDI Geospatial Data Themes



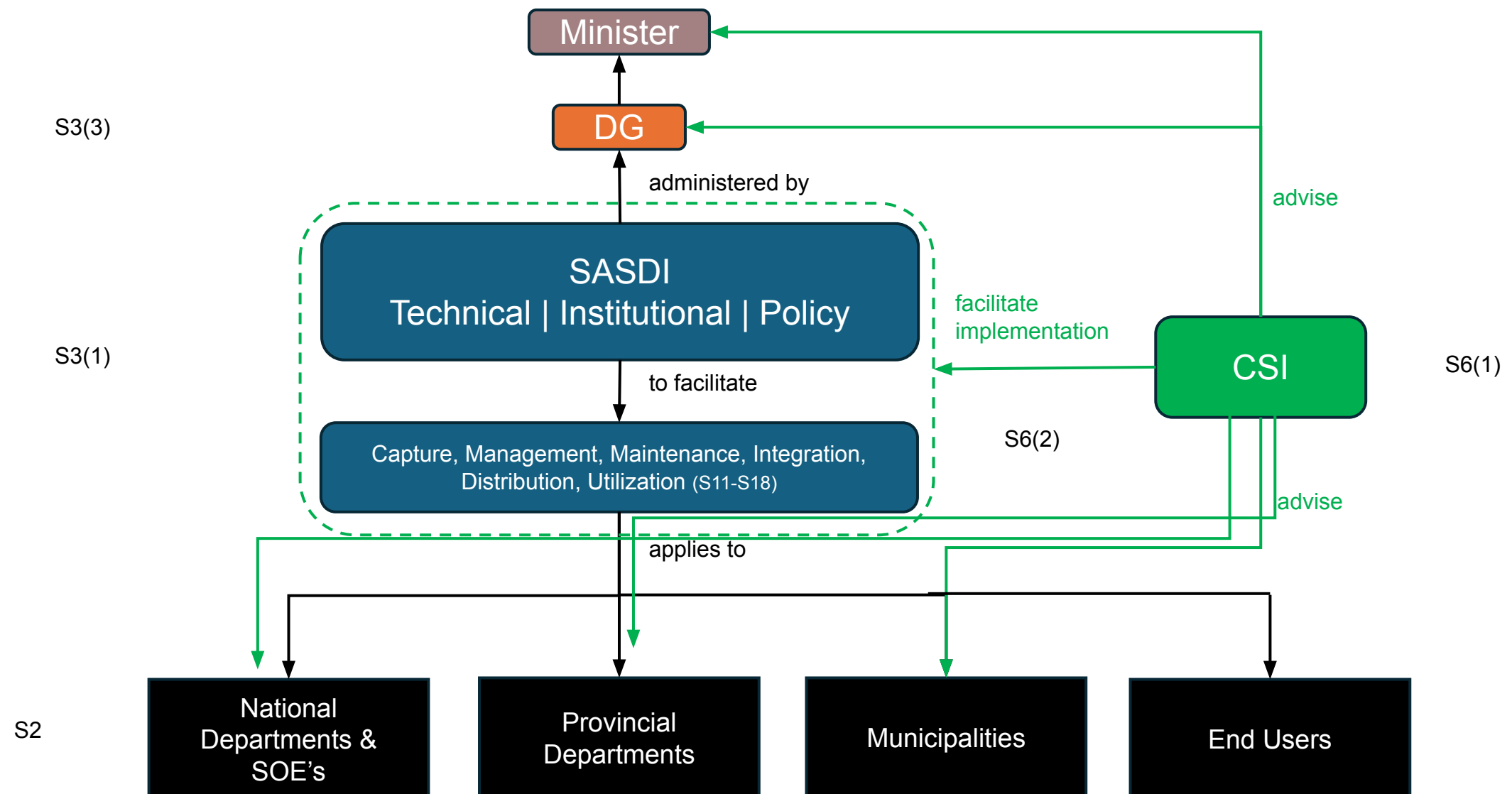
Key dataset for SASDI:

- Trigonometrical beacon
- Town survey marks
- Town survey marks scheme
- Benchmark
- Trignet

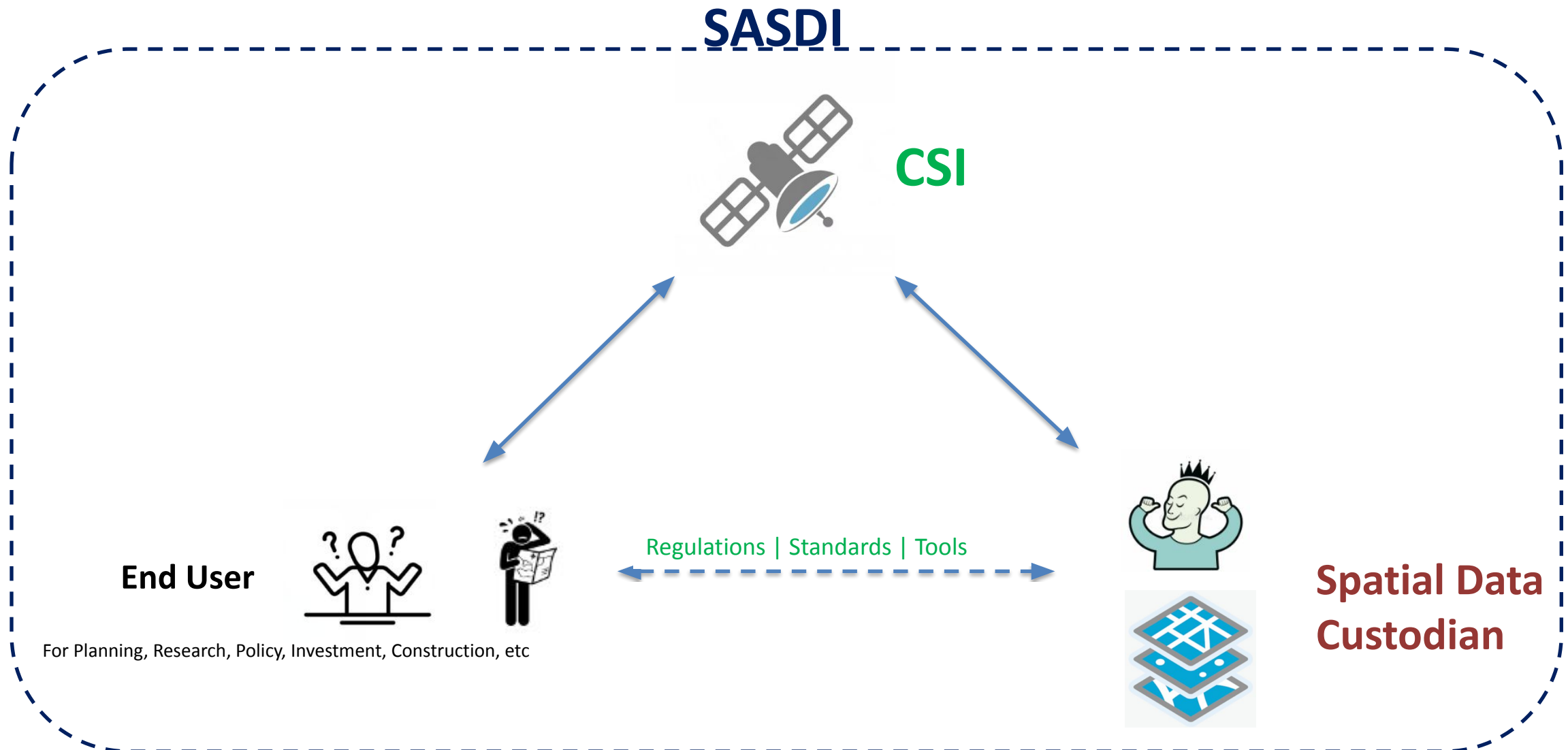
UN-GGIM Fundamental Geospatial Data Themes



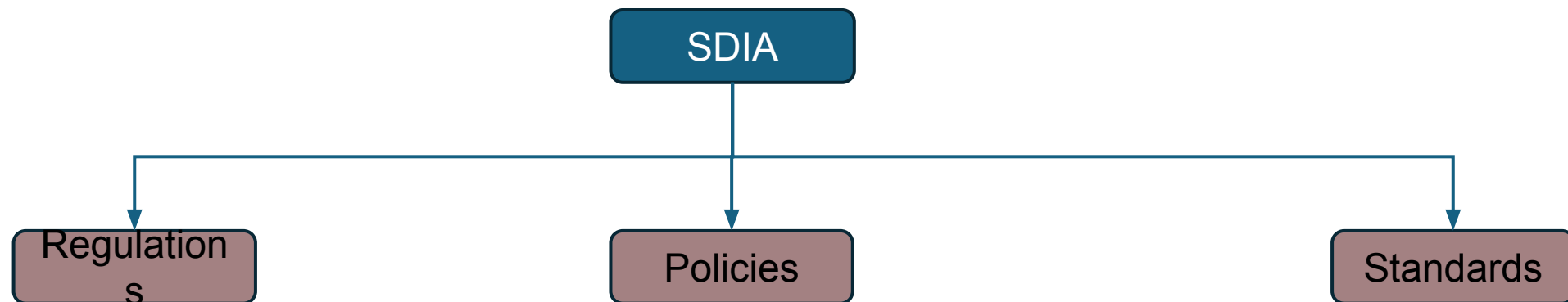
Introduction to the South African Spatial Data Infrastructure (SASDI)



SASDI/CSI Role in Summary



STANDARDS REGULATIONS POLICIES



1. Regulations made in terms of SDIA (41203) (2017)

1. Base Data Set Custodianship Policy (38474) (2015)
2. Policy on Pricing of Spatial Information Products and Services (38474) (2015)

1. Spatial Information Standards (2011)

Will be Reviewing

Introduction to the Committee for Spatial Information (CSI)

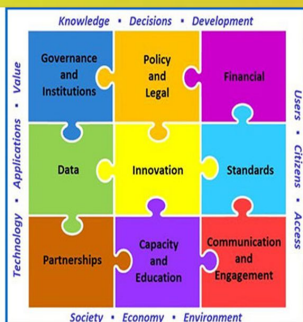
4th CSI (2025 -2028)



CSI Vision

To have a South African Spatial Data Infrastructure that enables sharing and integration of credible spatial data for all, to support effective governance, planning, and decision making.”

Structure of the CSI



Dalikhaya Mdunge
Chairperson



Carey Rajah
Deputy Chairperson

OFFICE OF THE SECRETARIAT



Maroale Chauke



Vutomi Ndlovu



Serati Mashamaite



SUBCOMMITTEE ON GOVERNANCE



Michael Manyama
Chairperson



Yakoba Meyer
Deputy Chairperson



Mpule Kekená-Rantsi



Tumisang Modiole



Gerrit Botha



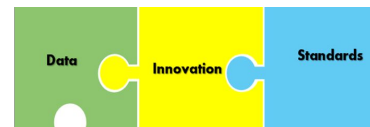
Celani Myeza



Nkgomoditse Molema



Thandolwethu Khumalo



SUBCOMMITTEE ON TECHNOLOGY



Celiwe Kgowedi
Chairperson



Angeline Ngwenya
Deputy Chairperson



Helene Ferreira



Langaletu Majola



Viresh Singh



Kenneth Baloyi



Johanna Makinta



Nale Mudau



SUBCOMMITTEE ON PEOPLE



S'lindile Mhlongo
Chairperson



Gareth Muthumuni
Deputy Chairperson



Phinda Nogcinisa



Nomusa Sithole



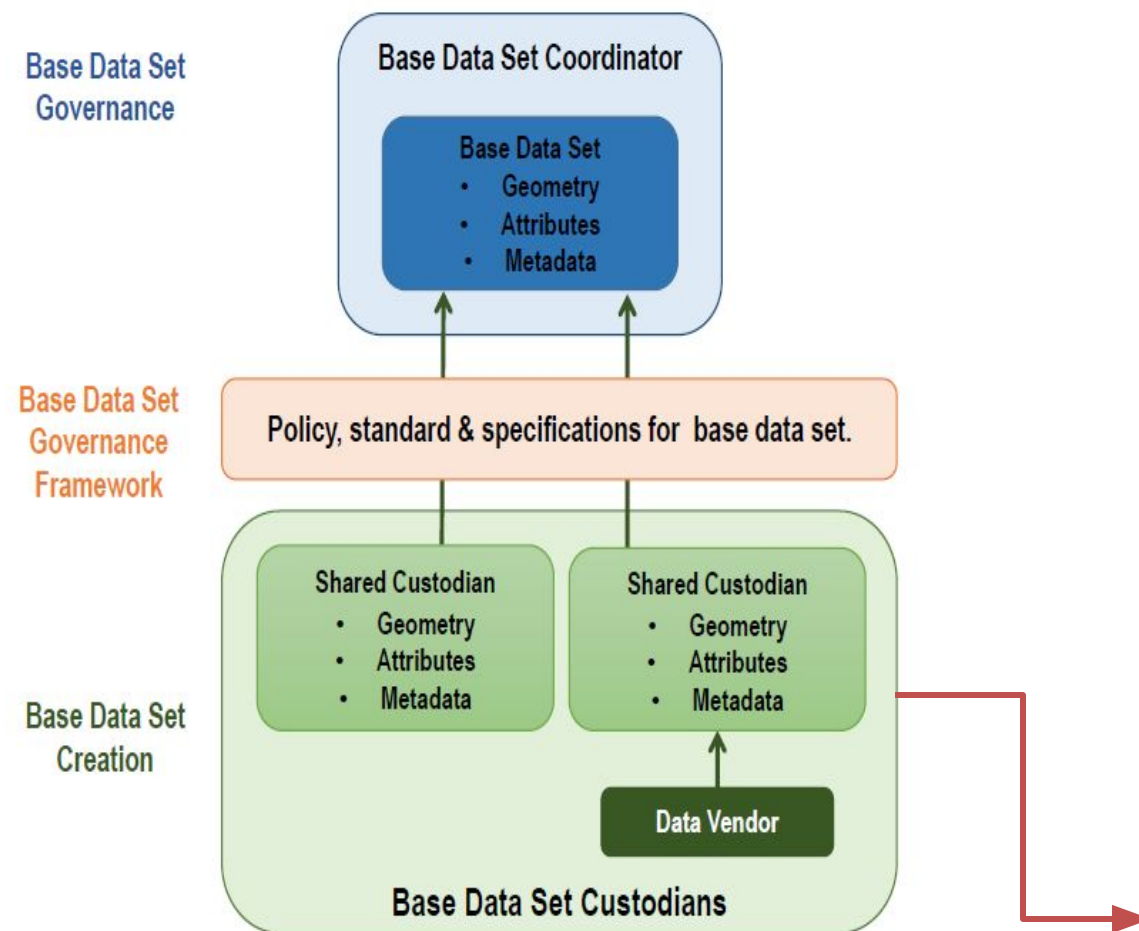
Kathrine Arnold



Tilfred Mabuza

Asiphelelanga!
DLLRD, SANHO, TRANSPORT, STATISTICS, ACADEMIA...etc.

The Role of the CSI in Defining SASDI Geospatial Data Themes



Theme	Authoritative base data set custodian/coordinator
1. Administrative Boundaries	Municipal Demarcation Board and Chief Surveyor-General
2. Imagery	South African National Space Agency (SANSA) and CD: NGI
3. Transport	DOT
4. Social statistics	STATSSA?
5. Land use	DALRRD (B: SPLUM)
6. Land Cover	CD: NGI
7. Cadastre	CSG
8. Hydrology	DWS and SANBI (Wetlands)
9. Geodesy	NGI
10. Conservation Areas	DFFE

Alignment of SASDI Initiatives with the Objectives of this Workshop



The purpose of the workshop is to convene key stakeholders to strengthen national coordination of geodetic infrastructure, data, skills and services; align South Africa with the global geodesy agenda; and establish the South African Geodesy Working Group.



The Committee for Spatial Information recognise geodesy as a vital foundation of the global geospatial and Earth observation infrastructure

National Alignment:

Base Data Set Coordinator



The Committee for Spatial Information appointed DLRRD – CD:NGI as the Base data Set Coordinator for Geodesy

Regional Alignment:

- South Africa through the DLRRD is represented on the UN-GGIM: Africa Working on African Geodetic Reference Frame

Global Alignment:

- South Africa through the DLRRD is represented on the Subcommittee on Geodesy of the UN-GGIM

Alignment with the Base Data Set Custodianship Policy

6.1.5 Base data set governance

The role of a base data set coordinator is hereby established to encourage base data governance. It is the responsibility of a base data set coordinator to ensure that the base spatial data custodian and the base attribute data custodian create base data sets that adhere to all policies, standards and specifications. The base data set coordinator will also be responsible for ensuring data compatibility and integration of base data sets of different base data set custodianship for the same base data sets but with adjoining geographical coverage

6.1.2 Cooperation and coordination

(a) Due to the limited resources available to the country, many government departments are currently experiencing budget constraints. Base data set custodians will commit to promoting efficient, economic and effective use of resources by cooperating and coordinating with each other in sharing data and information, as enshrined in the Constitution, 1996 [section 195 (1)(b)]. All base data set custodians and agents will commit to proper maintenance, improved accessibility and fair distribution of base data sets. Base data set custodians will work together to facilitate data and information sharing in order to avoid duplication of base data set capture and costs to all spheres of government. Base data set custodians should, where possible, consult users in line with Batho Pele principles in determining needs when capturing or updating spatial information.

STAATSKOERANT, 16 FEBRUARIE 2015

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- Improve access to base data sets through capture and publication of metadata; and
- Institutionalize base data sets governance.

Purpose of the Workshop

The National Geodesy Workshop convene key stakeholders in South Africa's geodetic community to:

- Strengthen national coordination of geodetic infrastructure, data, skills, and services.
- Raise awareness of the UN-GGRF resolution and align South Africa's strategies with global best practice.
- Identify national priorities and gaps in geodetic capacity, governance, and investment.
- Establish the National Geodesy Working Group (NGWG) as a formal mechanism for coordination and representation.

Recommendations

- Reports on the activities of the National Geodesy Working Group must be compiled on a regular basis and submitted to the Committee for Spatial Information (CSI) through the Subcommittee on Technology.
- These reports should highlight progress, challenges, recommendations, and opportunities for collaboration, ensuring transparency, accountability, and alignment with the objectives of the South African Spatial Data Infrastructure (SASDI).

THANK YOU

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