

#### **Towards agenda 2063: the role of space** applications in sustainable development.

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**Panelists** 

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2<sup>nd</sup> Space for National Development Conference











Towards agenda 2063: The role of space applications in sustainable development

Presented by Raoul Bester ATNS



transport

Department: Transport REPUBLIC OF SOUTH AFRICA



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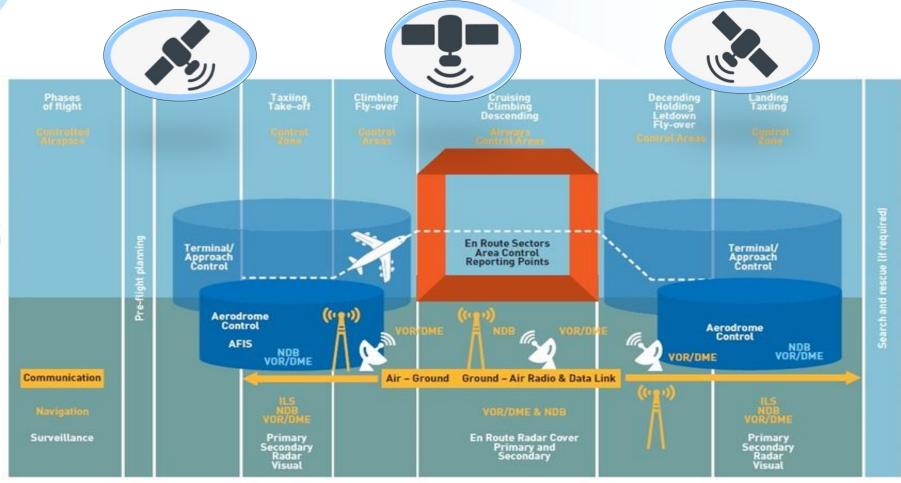
























50 Year Plan – Pan Africanism



"The Africa We Want"

An integrated, prosperous and peaceful Africa, driven by its own citizens, representing a dynamic force in the international arena.

#### 7 Aspirations

Integrated Africa, Prosperous Africa, Democratic Africa, peaceful Africa, Strong Cultural Identity, People Driven Continent, International Dynamic Force

12 Flagship projects

Single African Air Transport Market Africa Outer Space Strategy





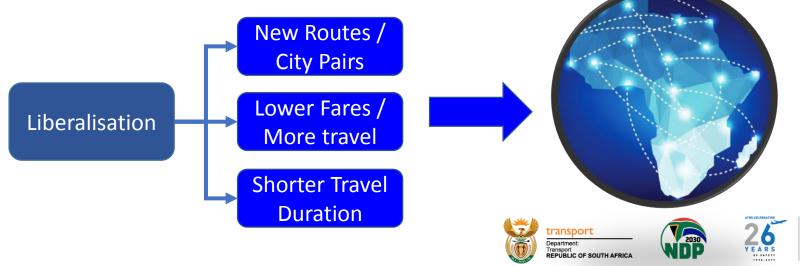




## Single African Air Transport Market

- Established and launched during the 30th Ordinary Summit of the African Union Assembly Ethiopia January 2018
- Liberalisation of Civil Aviation promotes the 5 "Freedoms of the Air"
- Yamoussoukro Declaration of 1988 and Yamoussoukro Decision 1999





## Africa Outer Space Strategy

Earth observations Navigation and positioning

Satellite communication

Space science and astronomy



- African Space policy
- Space Weather requirements ICAO Annex 3





## Thank you













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presidential infrastructure coordinating commission

The Presidency REPUBLIC OF SOUTH AFRICA

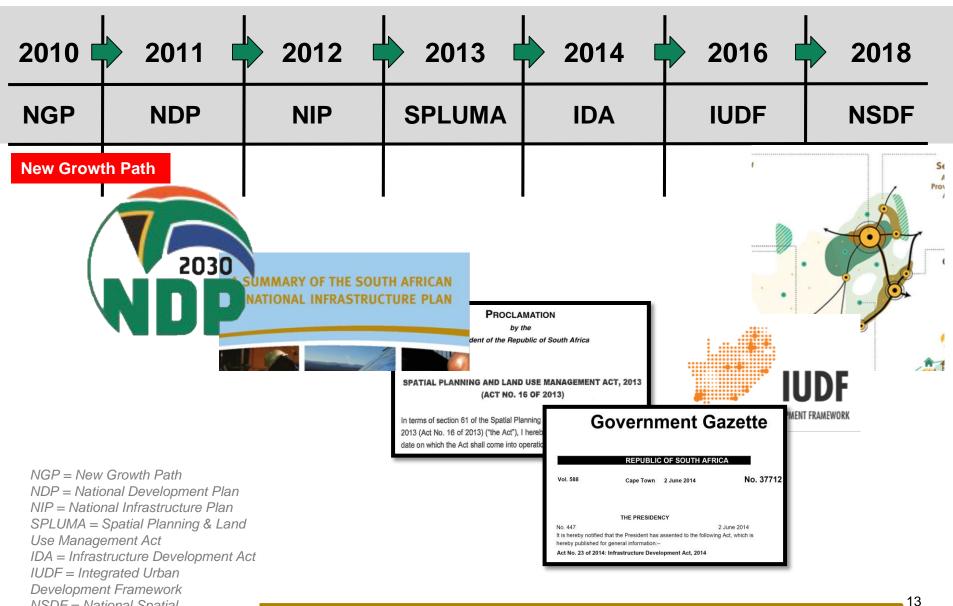
## The Presidential Infrastructure Coordinating Commission (PICC)

planning, monitoring, better
decision-making for Strategic
Infrastructure

What role can space applications play in advancing the South African responses to the National Development Plan (NDP)

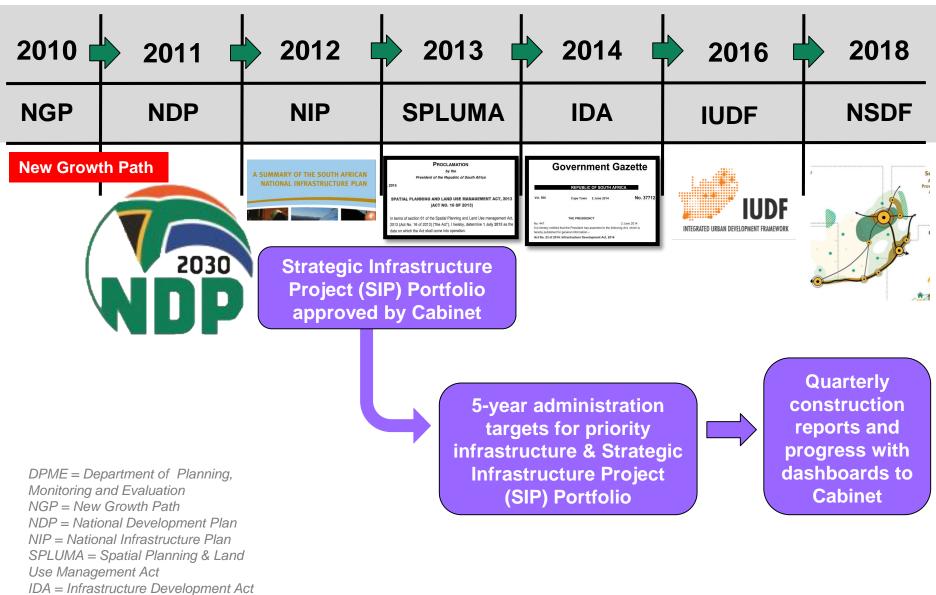


#### Policy evolution underpinning strategic infrastructure



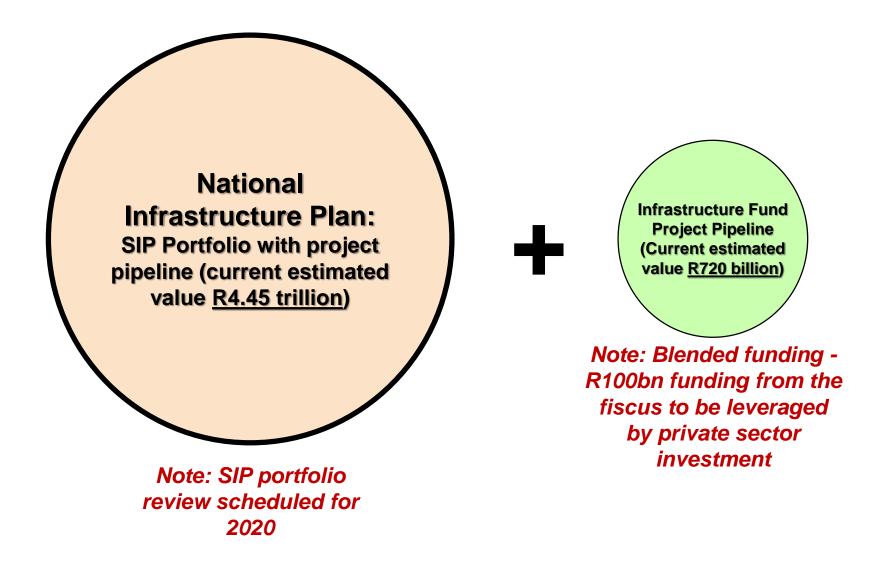
 NSDF = National Spatial Development Framework

#### **Strategic** infrastructure and the **PICC**



NSDF = National Spatial Development Framework

## National Infrastructure Plan & Infrastructure Fund project pipelines



# Objectives of the PICC GIS initiative to enable better planning, monitoring and decision making

- Goal #1 Building and maintaining accurate infrastructure GIS data and information:
  - The GIS initiative is focused on building and maintaining the <u>most</u> <u>accurate, consistent and reliable infrastructure geographic data and</u> <u>information in South Africa.</u>
- Goal #2 Make GIS data and information accessible to all three spheres of government and / or tiers of users:
  - Makes simple and easy-to-interpret-and-use data and information accessible to all stakeholders.
- Goal #3 Integrate GIS functionality with satellite imagery and other existing systems:
  - The integration and inter-operability of GIS with existing government and business processes and systems is critical (eg National Treasury project financial monitoring, PICC dashboards and SIP reporting through coordination with key government departments, provinces and specialist teams)

#### Accessibility of PICC GIS information

- Secure PICC geospatial data and information will be accessible everywhere, with specifically tailored maps and information for key decision-makers, also when "out in the field"
- Access to information to be simple, integrated and secure
  - Maps, spatial data and information available on Apps (tablets, smartphones)
  - Maps, spatial data and information (products) available via an online portal
  - Viewing the evolution of specific locations over time (high resolution, up to date satellite imagery)

#### **Empowering a Nation, triggering development**



- The Infrastructure Plan is a bold effort to transform the economy, laying the basis for growth and jobs
- The Plan is an opportunity to mobilise the nation behind a common vision and requires partnerships with business, labour and communities
- Aimed at promoting:
  - Re-industrialisation through manufacturing on inputs, components and machinery
  - Skills development aimed at critical categories
  - Greening the economy
  - Empowerment



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