



Towards the Development of a Transformed Downstream Earth Observation Industry through NEOFrontiers Programme

Dr Naledzani Mudau
Data Products and Services Manager
South African National Space Agency



Act No. 36, SOUTH AFRICAN NATIONAL SPACE AGENCY ACT, 2008

To provide for the promotion and use of space and co-operation in space-related activities, foster research in space science, advance scientific engineering through human capital, support the creation of an environment conducive to industrial development in space technologies within the framework of national government policy, and for that purpose to establish the South African National Space Agency; to provide for the objects and functions of the South African National Space Agency and for the manner in which it must be managed and governed; and to provide for matters connected therewith.

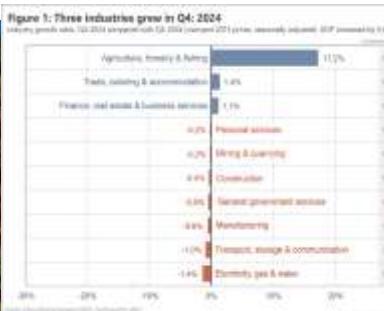
Opportunities



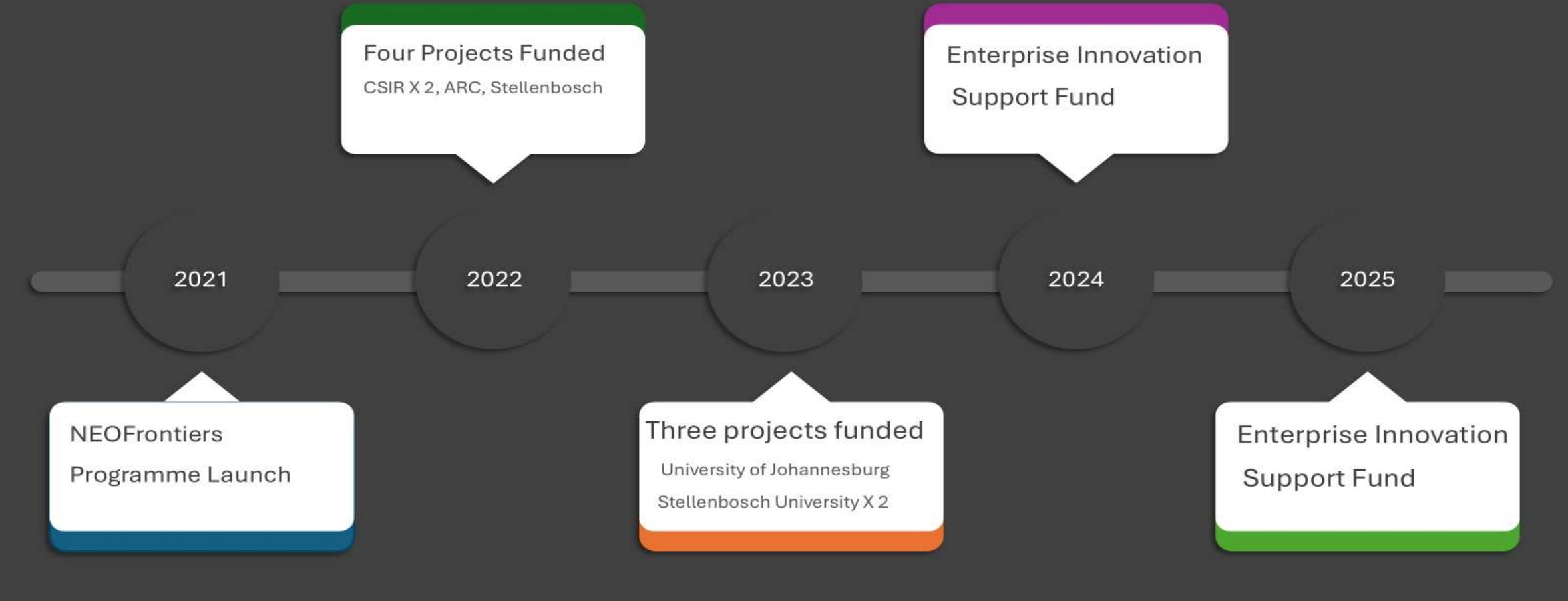
SUSTAINABLE DEVELOPMENT GOALS



South Africa has a youthful population, with a significant youth bulge aged 25-39.



New Earth Observation Frontiers (NEOFrontiers)



NEOFrontiers Enterprise Innovation Support Fund

Objectives

- Provide innovation support to startups, MSMEs and organizations that will transform Earth Observation based ideas to products and/or services
- Develop and transform downstream EO industry
- Increase the competitiveness of the South African EO sector
- Increase the benefits of EO to society

NEOFrontiers Innovation Enterprise Support Fund 2024

8 start-ups,
MSMEs

Mining
Disaster
management

Up to R1 000
000.00



4 Black Women

Health
Agriculture

12 month
business
incubation



Enterprise Innovation Support

- ❖ 1 on 1 mentorship, monthly
- ❖ Technology development and commercialization expertise
- ❖ Professional services (case by case), e.g. legal finance, HR
- ❖ Milestone driven delivery (max. 3 milestones)
- ❖ Access to innovation ecosystem networks
- ❖ SANSA's support



NEW EARTH OBSERVATION FRONTIERS

ENTERPRISE INNOVATION SUPPORT FUND 2025

CLOSING DATE:

10 APRIL 2025

I'M INTERESTED

VIEW RULES

The South African Space Agency (SANSA) and the National Research Foundation (NRF) invite start-ups, small, medium and micro enterprises (SMMEs), and entrepreneurs to submit applications for funding through the New Earth Observation Frontiers Enterprise Innovation Support Fund (NEOFrontiersEISF). This initiative is a sub-program of NEOFrontiers, which is funded by SANSA and managed by the NRF to support skills, technology and product development.

The proposals to be considered in the NEOFrontiersEISF will focus on novel uses of Earth Observation in the following areas:

Applications and product development in banking, insurance, mining, health innovation, and community-based services.

Cross cutting service areas/decision support tools to support the circular economy; blue economy; security and defence; food security/precision agriculture; disaster risk reduction; and early warning systems.



Technology Innovation Agency (TIA), an entity of the Department of Science and Innovation (DSI) was established in terms of the TIA Act, 2008 (Act No. 26 of 2008), with the objective to stimulate, intensify and exploit technological innovation to improve economic growth and the quality of life of all South Africans.

CALL FOR PROPOSAL

SPACE TECHNOLOGIES

PURPOSE OF THE CALL

TIA is calling for the submission of funding applications for the Space Innovation Initiative. This is a strategic initiative by the Department of Science and Innovation (DSI) and Space Infrastructure Hub (SIH), implemented by the South African National Space Agency (SANSA). Its objective is to grow Space Science and Technology infrastructure capabilities for sustainable development and growth of the South African Space economy. The Space Innovation call aims to strengthen the local capabilities in Space Science and Technology; by supporting the development and commercialisation of innovative Space technologies to create products and services that will benefit the country. Solutions supported by this call are expected to advance the space industry development by extending the current efforts of the SIH. This includes investing in the development and commercialisation of innovative solutions that will respond to national challenges and grow the participation of black owned SMEs to transform and grow the South African space economy. Applications are invited from recognised South African legal entities, including start-ups, SMEs, private enterprises, science councils and higher education institutions.



The Integrated Earth Observation Solutions

- ✓ Up-to-R 500 000.00
- ✓ 6 months

Targeted initiatives:

- ✓ Citizen Science
- ✓ Establishment of EO data centres for community-level data collection and analysis
- ✓ EO and geospatial solution development



www.creditais.com

thulisile@creditais.com

+279929703

Sandton Gauteng,
South Africa 2196

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► **Unlock Better Decisions with Earth Observation & AI**

**PROJECT OVERVIEW: EO-DRIVEN FINANCIAL
CREDIT SCORING SYSTEM FOR AGRICULTURE**

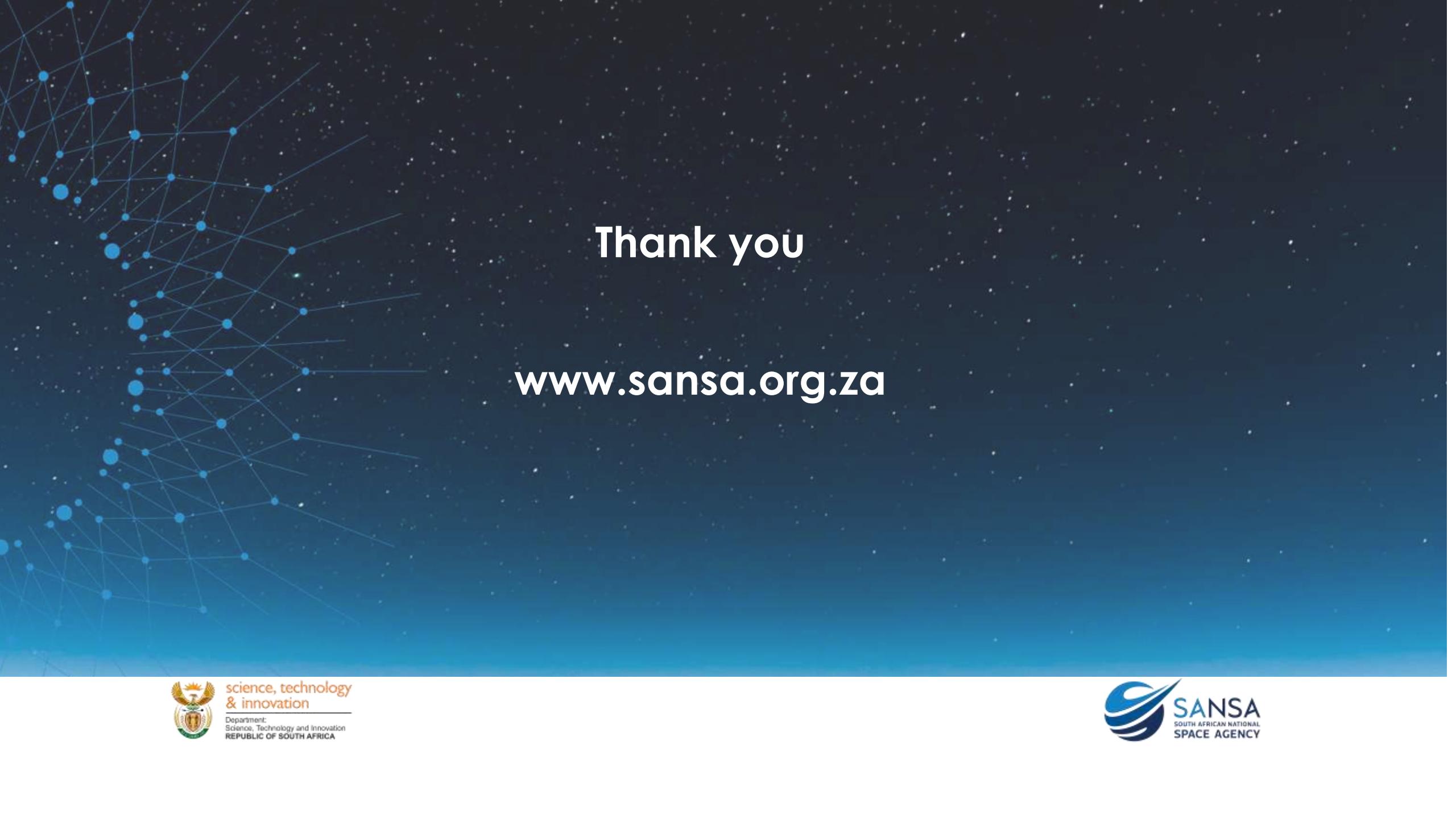


Objective: Use Earth Observation (EO) data to improve financial credit scoring for farmers, especially in underserved regions.

Approach: Integrating EO data (crop health, sustainability practices, climate patterns) with traditional financial data to build accurate, risk-adjusted credit models.

Impact:

- Enable financial inclusion for smallholder farmers.
- Support sustainable agriculture and climate resilience.
- Strengthen food security in South Africa.



Thank you

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