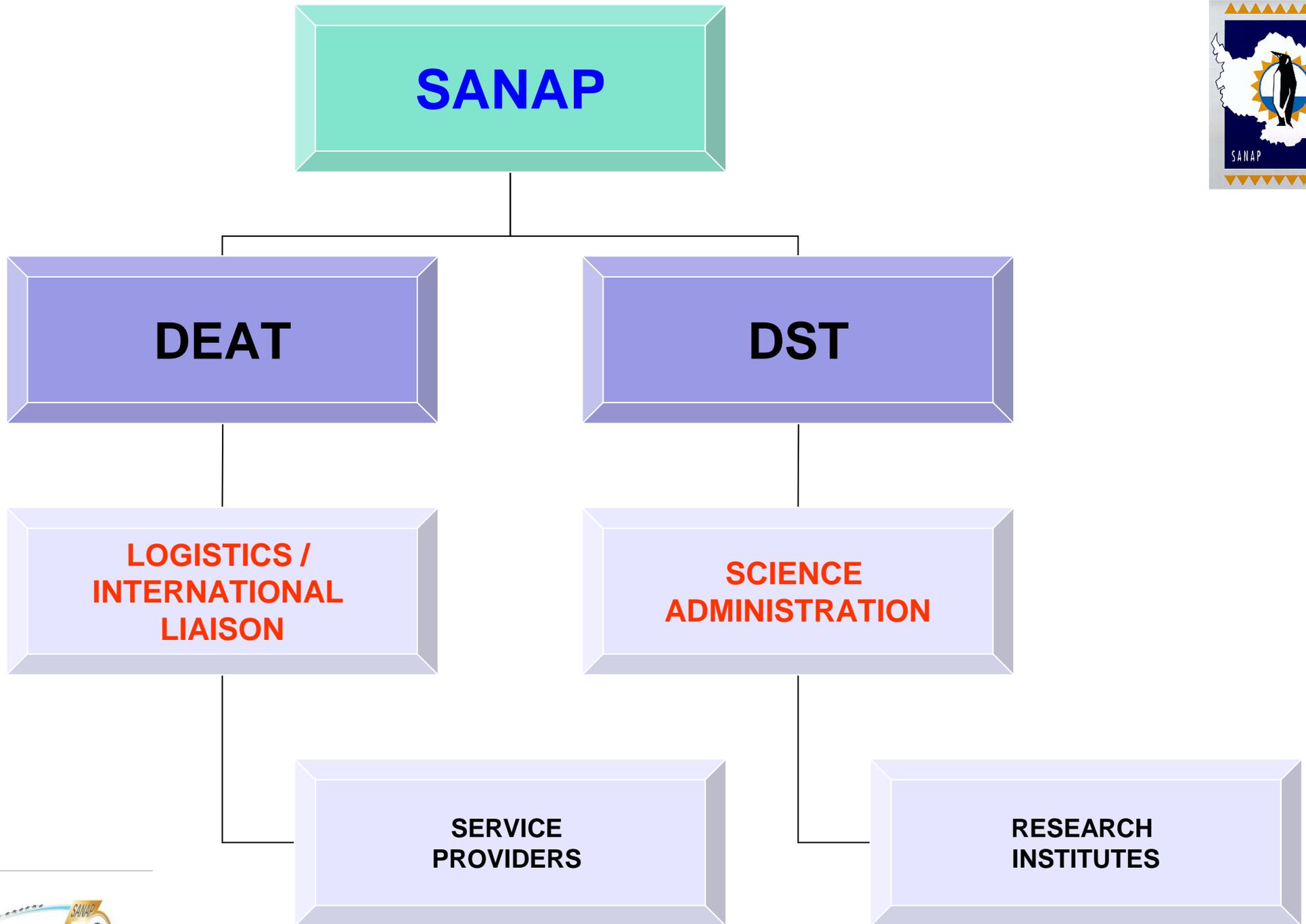


South African National Antarctic Programme

# SANAP

*understand, develop, conserve*



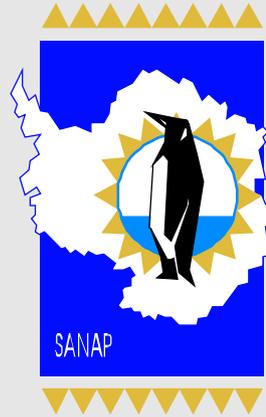




# SANAP



**NDPW**



**PEIMC**

**SMIT  
AMANDLA**

**DEAT  
ANTARCTICA  
&  
ISLANDS**

**SANDF**

**TITAN**

**DFA**

**SAWS**

# SANAP AREA OF ACTIVITY



SANAE Antarctic Circle

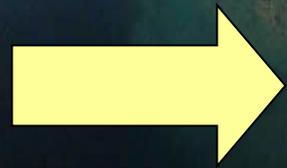
© 2005 Google

Pointer 38°48'16.72" S 22°01'23.74" E

Streaming 100%

Eye alt 4676.73 mi

# SANAP Head Office



**DEPARTMENT OF ENVIRONMENT AFFAIRS  
DIRECTORATE: ANTARCTICA AND ISLANDS  
P.O.BOX 52126 / 2<sup>ND</sup> FLOOR EAST PIER SHED  
EAST PIER, VICTORIA & ALFRED WATERFRONT  
CAPE TOWN  
8002**



# Marion Island



- Remote
- VERY wet (2500mm precipitation)
- Windy
- Cold (-3 to +10 degrees)
- SA Territory



# Biological Sciences



- Birds
- Vegetation
- Seals/ Whales
- Invertebrates

**METEOROLOGICAL OBSERVATIONS**



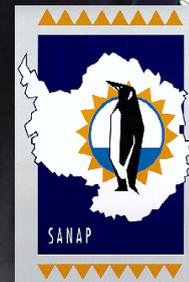
# Gough Island



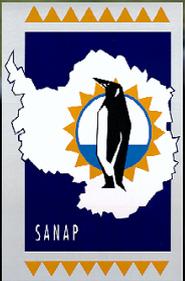
- Remote
- Wet
- Windy
- British



# METEOROLOGICAL OBSERVATIONS



# TRISTAN DA CUNHA



# SANAE IV Base - Antarctica

- Windy
- Very Cold
- Very remote
- Dry (desert)



# SANAE IV base

- Since 1997
- 3 prior bases
- Above ground



- 300km/h winds

# Communication Systems

New Satellite System

Telephone System

Data

Radios

GPS's



# Science

## Physical sciences

- SHARE HF Radar
- Aurora
- Cosmic Rays
- Ozone measurements
- Meteorological observations

## Earth sciences

- Seismograph
- CTBTO





**Minis balloon campaign**



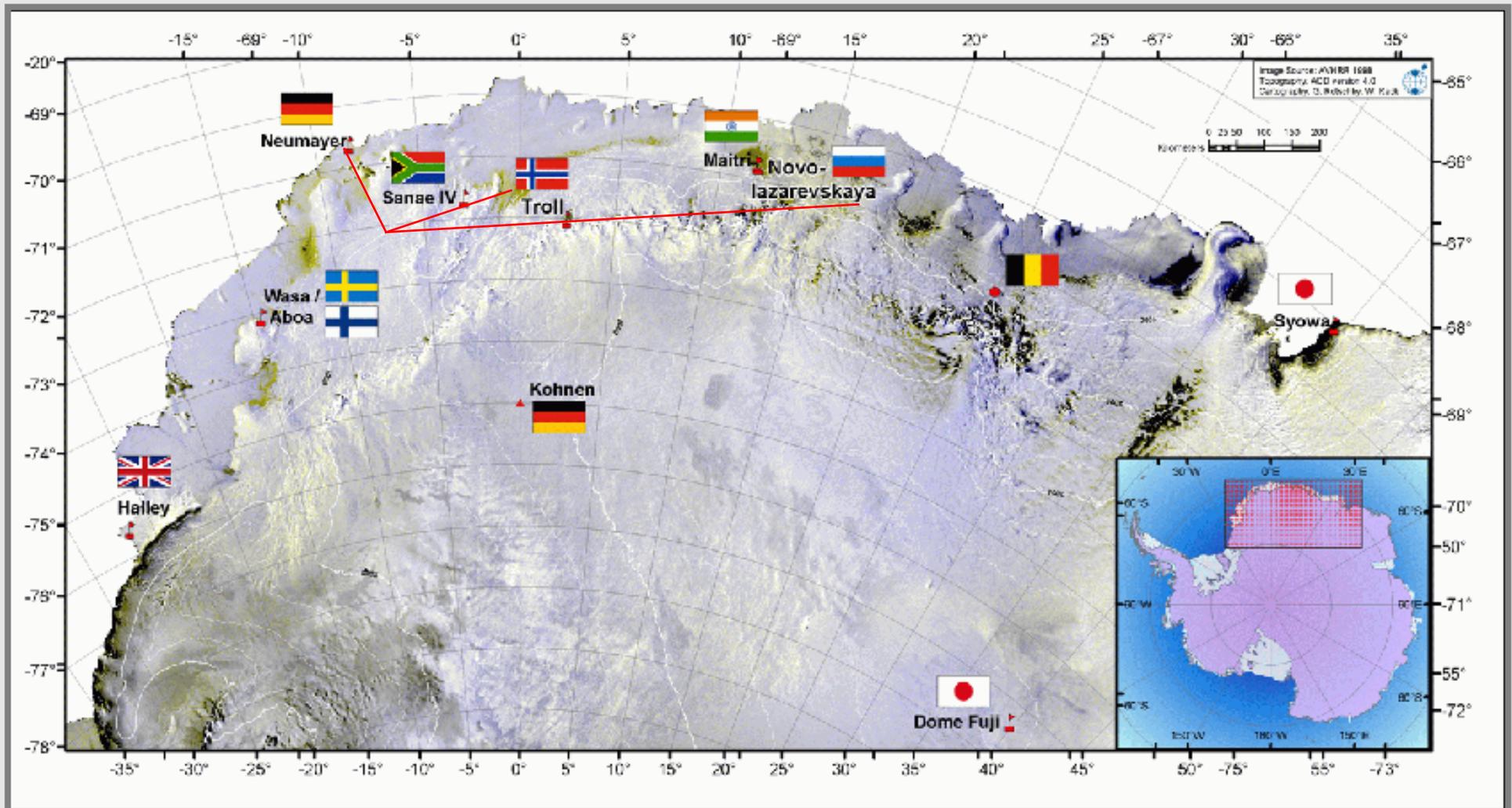
**SHARE HF Radar**



**Aurorae**



# DRONNING MAUD LAND AIR NETWORK









# S.A. Agulhas



## Research and Supply vessel



**Oceanography**

**-Weather**

**-Biology**

**-Physics**



# SA AGULHAS

- Range - 15 000 nautical miles ( $\pm$  90 days)
- Max speed - 14 knots
- Cruising speed - 12.5 knots
- Ice strengthened (Class C1)
- 2 Fast Rescue Boats (semi-rigged)
- SOPEP – booms
  - dispersant
  - pumps
- Fire fighting - water/foam
- Passengers - 98 (beds)









# Off-loading heavy equipment

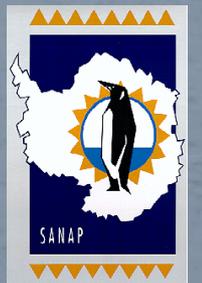


# Large Specialised Vehicle Fleet



- 22 snow mobiles
- 6 Challengers
- 7 Caterpillar earthmoving vehicles
- 20 heavy sledges & 20 fuel tanks
- 2 cabooses
- 2 reefers & 8 shipping containers
- 150 orange containers





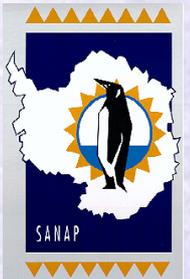


# Bulk fuel storage facility



















NO SMOKING

SMOKING ONLY PERMITTED IN THE UPPER PASSENGER LOUNGE







# THANK YOU

