

!Khure Africa Logo - Artist:
!han#kass'o, circa 1880

!Khure Africa

The Story is the African Wind

A South Africa - France Collaborative Program
in Quantitative Geobioscience and Climate Change

Facilitators : Vincent Courtillot

Université Paris 7 and Institut de Physique du Globe de Paris

Maarten de Wit

University of Cape Town and Africa Earth Observatory Network

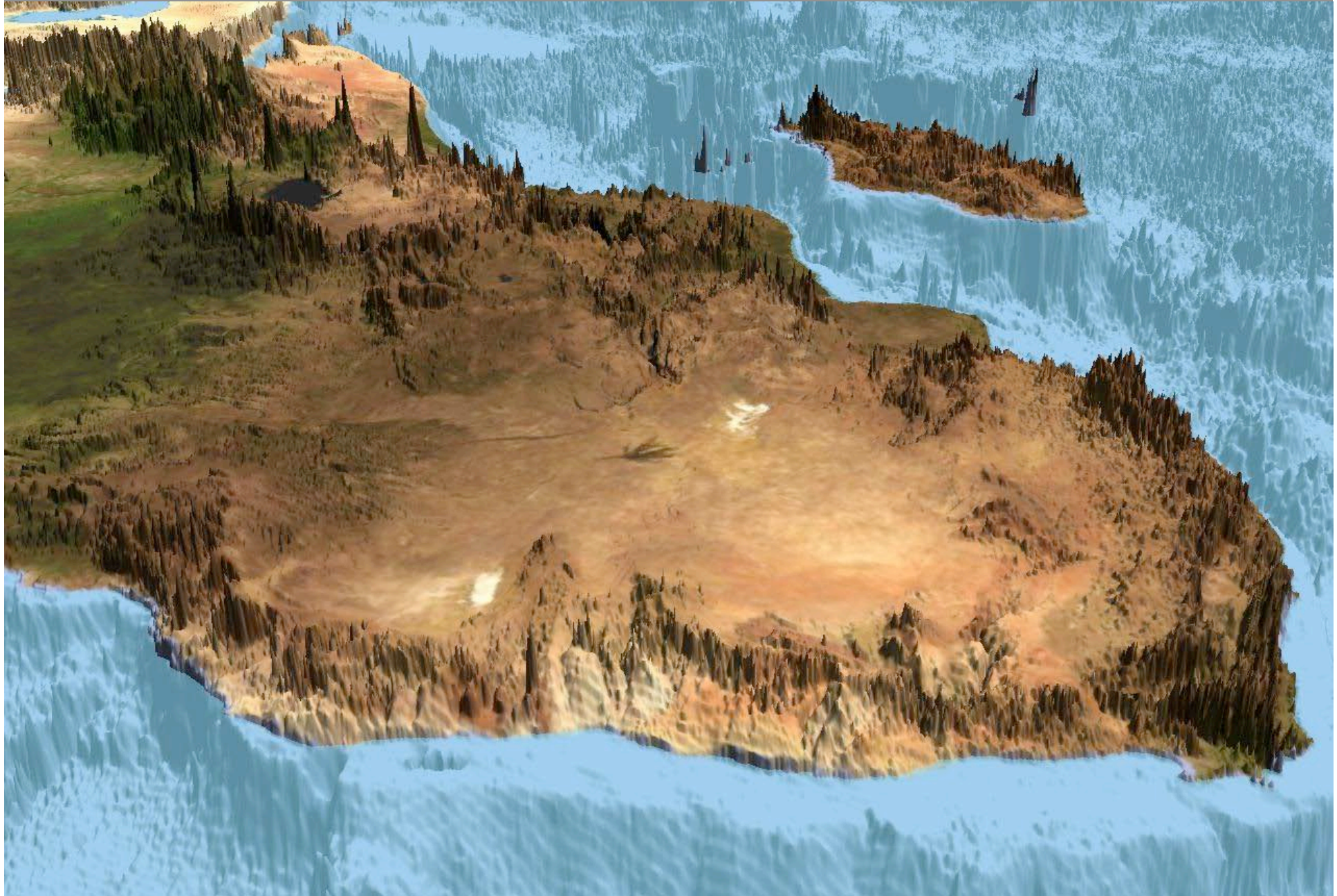
**RSA Participation: UWC, FH, UCT, WITS, Rhodes, NMMU,
UFS**



Workshop 12-14 June 2007

- **!Khure Africa** – A new South African – French scientific co-operation programme in
 - **Earth System Science & Capacity Building**
 - **“Linking Dynamic Co-Evolution of Earth & Life to Tectonics & Climate Change”**
- *Host: AEON – Africa Earth Observatory Network at the University of Cape Town*

!Khure Africa Field Laboratory





! Khure Africa: some timelines

1 : ARCUS funds first 5 sub-projects end-2006

2 : Workshop in South Africa followed by field reconnaissance (June 2007); funded by CSNR/NRF

3 : Consolidation of large scale proposal (June 2007)

4 : Submission proposal to DST (November 2007)

5 : Revised submission proposal to DST(Jan 2008)

Suggested Duration of program ~5 years, 2008-2013

Synopsis of 16 sub-projects (yellow=ongoing)

1 : Towards a better characterization of “conflict diamonds”

2 : Large igneous provinces and large-scale climate change

3 : Formation and stabilization of the first continents

4 : Paleomagnetic study of ancient ice ages primitive geodynamics

5 : Sun and Earth’s magnetic fields and climate variability

6 : Deep biosphere, mineralizations and ancient life support systems (DRILLING)

7: Anatomy of a giant impact crater using magnetic imaging (AEROMAGNETIC MAPPING)

8 : Numerical analysis of aeromagnetic surveys in Southern Africa

9 : Birth of Madagascar and reconstruction of its bio-history (MARINE SURVEY)

10: Young Earth : the case of the 2.7 Ga Ventersdorp volcanics

11 : Climate Change and Mountains: orogeny of the Cape Fold Belt

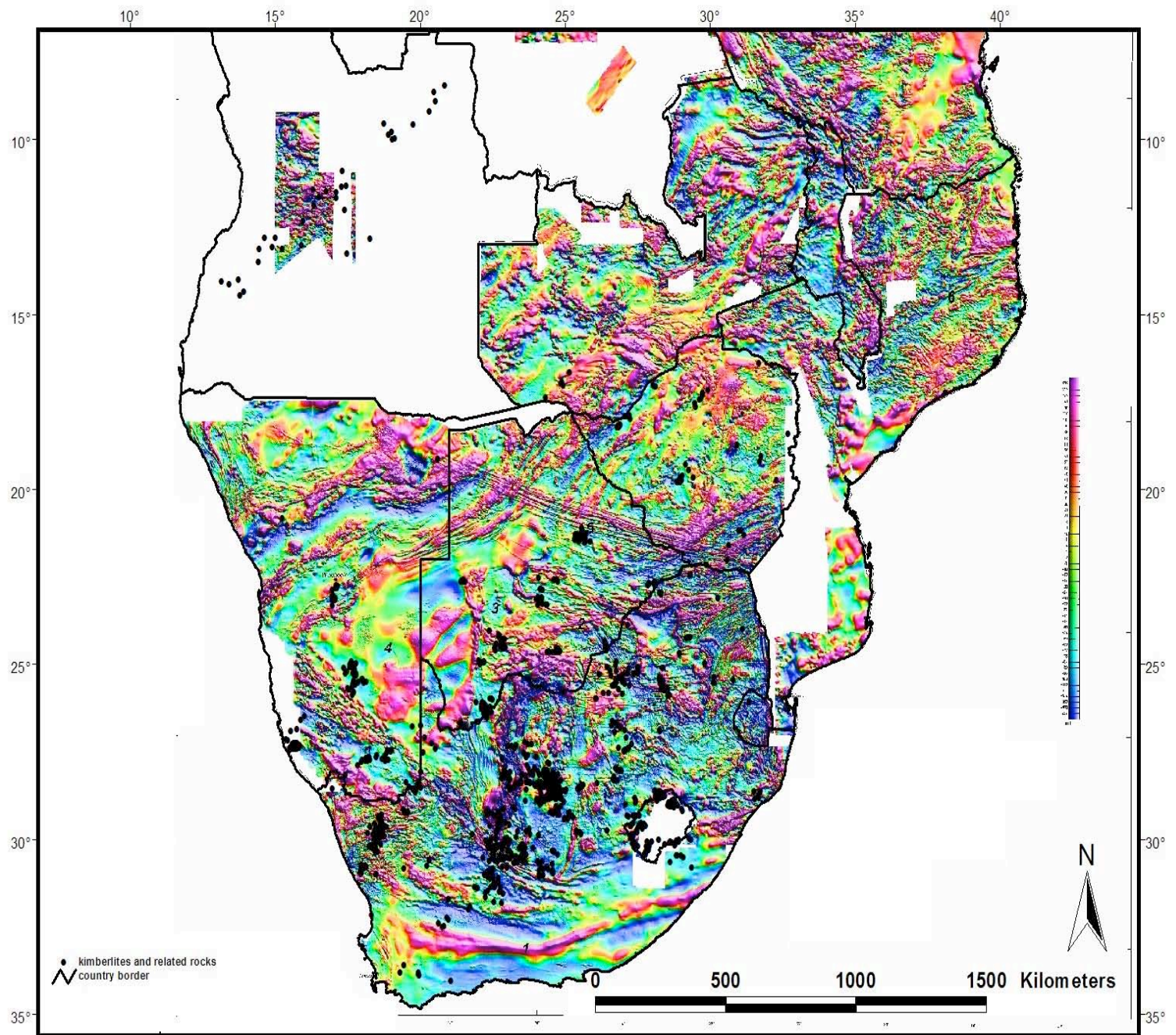
12 : Climate Change and Mountains: epeirogeny of Madagascar

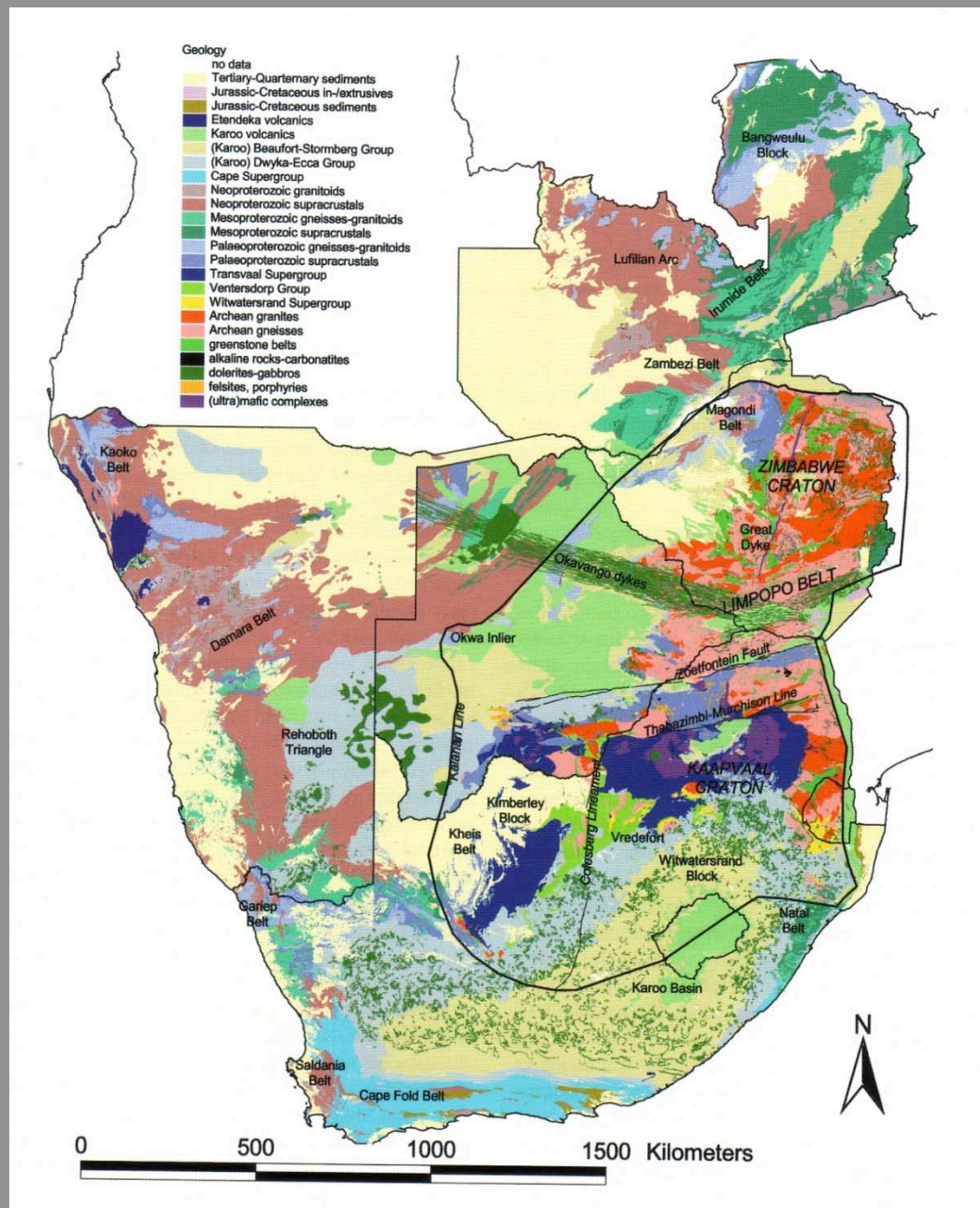
13 : Climate Change and Mountains: epeirogeny of South Africa

14 : Intraplate seismicity in the Western Cape

15 : Thermics et ecovalorization of abandoned goldmines

16 : Tectonic geomorphology and climatic influence on Plio-Pleistocene hominin environments in southern Africa







! Khure Afrika - The Story is the African Wind (/xam San idea)

FRANCE - SOUTH AFRICA GEOSCIENCE COOPERATION PROGRAM



SOCIETY & TECHNOLOGY

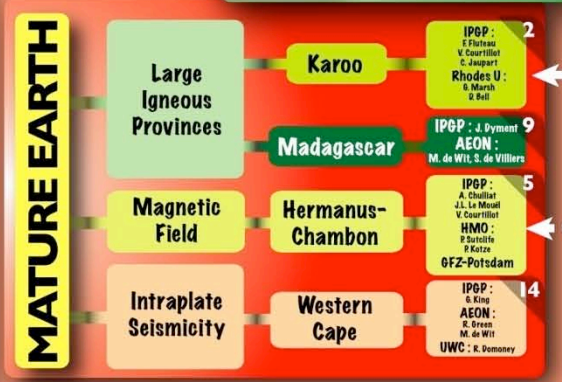
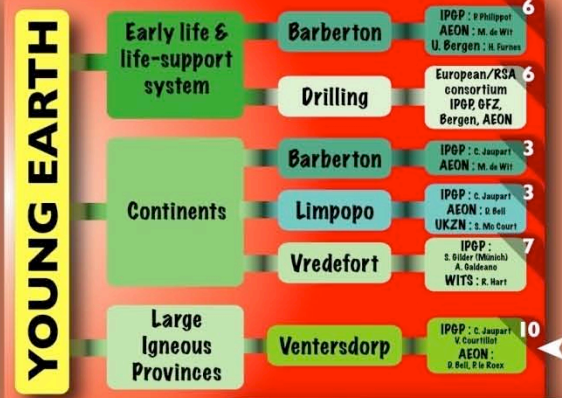


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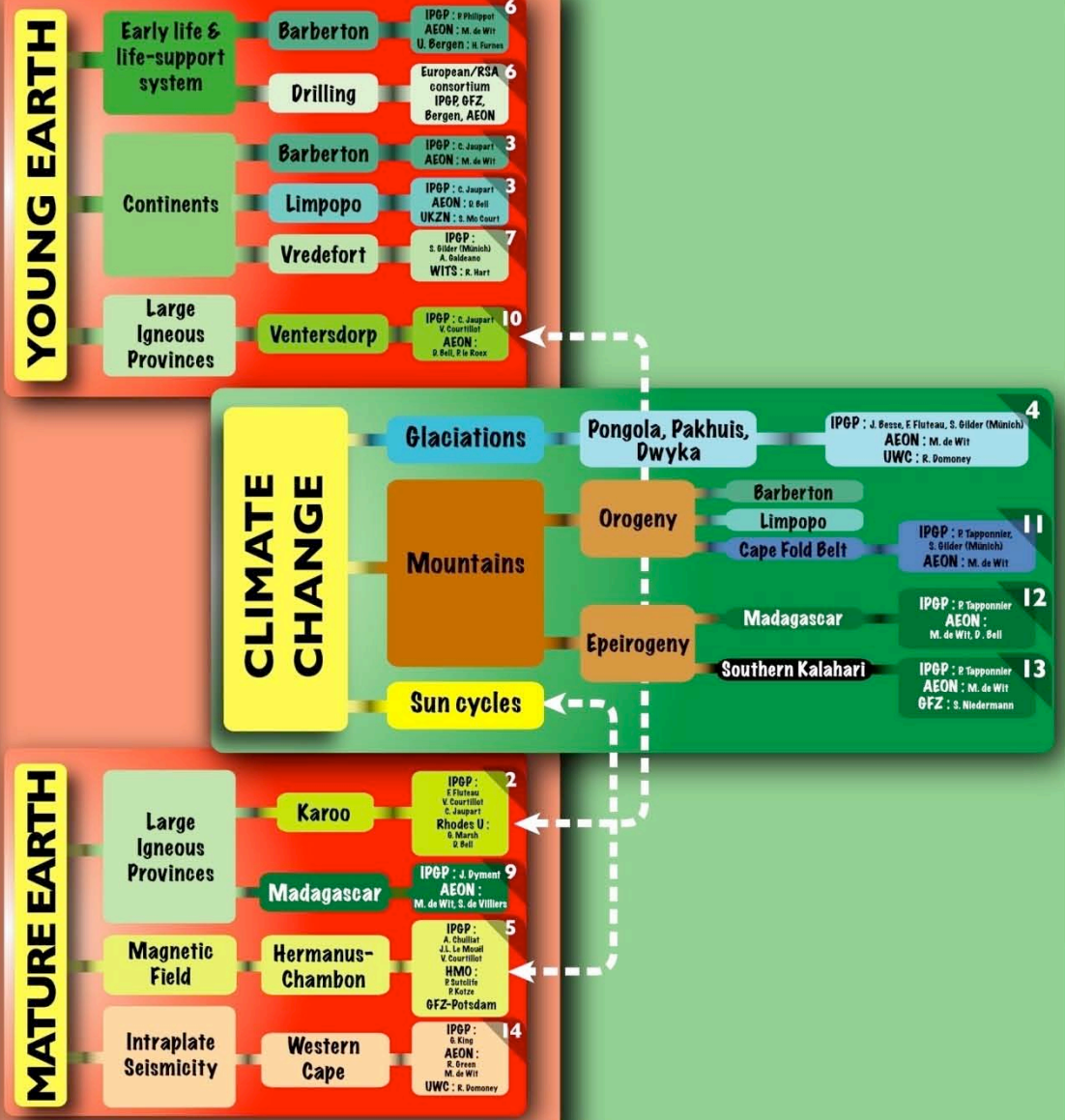
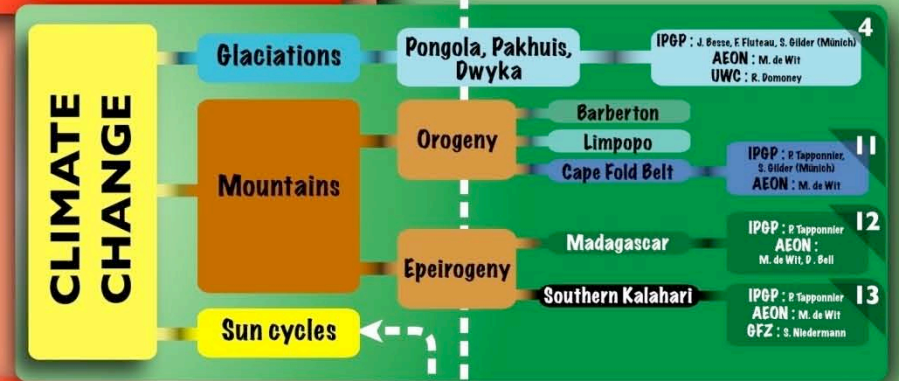
CAPACITY BUILDING

IPGP : L. Meynadier
AEON : M. Tredoux

ORIGINS

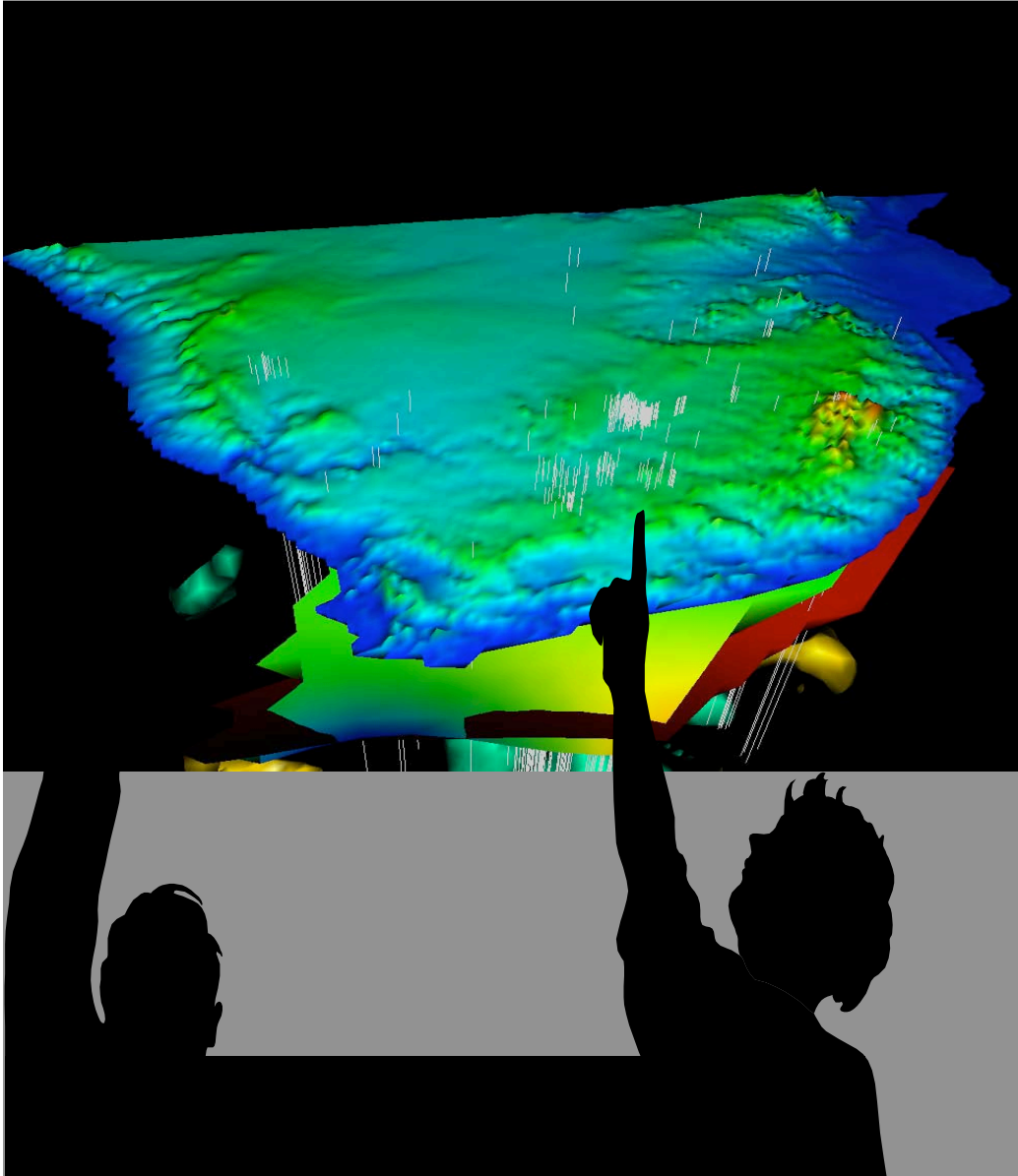


GEO/ECO DYNAMICS



Take home message:

Capacity building to produce a new generation of South African PhD's in the Geobiosciences and related technologies is lacking for want of funding/bursaries



REDUCED !!!!! Africa Budget 101

DSA

project	students	Total Cost (k rands/3 yrs)	Annual Cost (krands/yr)	Outreachs & admin &workshop
A1	1 PhD	360	120	
A2	1 MSc	150	50	
A3	1 MSc	400	120	
A4	2 Msc	300	100	
A5	1 PhD	600	200	
A6	1 PhD	1000	330	
B1	1 PhD	500	167	
B2	0	0	0	
B3	1PhD	137	137	
B4	1 MSc	287	96	
B5	1 MSc	150	50	
B6	1 PhD	600	200	
Totals 12 totals	12	4567 5 million	1413 1.6 million	150k/yr

**From: Maarten De Wit [mailto:Maarten.DeWit@uct.ac.za]
Sent: 25 June 2009 09:31 AM
To: Thamsanqa Mathe
Cc: Bheki Hadebe
Subject: Re: IKHURE Africa Project-Concept Paper and Budget**

Dear Thami

Thanks so much; I am excited that this is moving forward before our !Khure workshop (July 07), because it will mean I can show to our French colleagues then that student support will be available. i will try and get this back to you by early next week.

Thank you for your hard work and interest

regards

maarten

- Dear Maarten
- You promised to send me your input on the Ikhure Africa Project Concept paper and budget before the end of last week, I just wanted to find out how soon do you think you will manage to send these. Like I indicated earlier, as soon as we agree and finalize the concept paper and budget I will then finalize my submission to facilitate transfer of funds.
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- Thami Mathe
- Deputy Director: High-End Skills
- Department of Science and Technology
- Building 53, Scientia Campus
- E.mail: thamsanqa.mathe@dst.gov.za