

# Capacity building as part of the !Khure programme

Managers: South Africa EarthWise manager  
Marian Tredoux  
France Laure Meynadier

Participants:

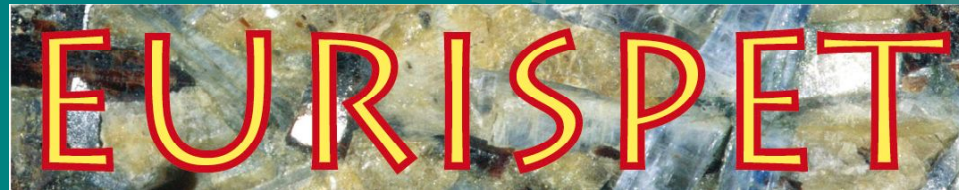
All scientists involved in !Khure.

# Aspects of outreach

- Post-graduate students and scientists
  - Collaboration, e.g. joint supervision
  - Sufficient funding (~R100 000 per students)
  - Exposure of students to conditions prevailing in the 'other' environment
- Current outreach (stopping the rot)
  - Public lectures and visits to field experiments
  - GeoTeach (current learners)
  - Getting current undergraduates involved (service learning module?)
- Ensuring the future
  - EarthWise (getting to the teachers and parents)

# What has happened to date in the !Khure Africa collaboration?

Call to all southern African PhD students in the Earth science



**EUROpean Intensive Seminars of PETrology  
(EURISPET)**

**First Seminar**

**"State-of-the-art analytical and imaging techniques in petrology"**

Paris (France), October 20-28, 2007

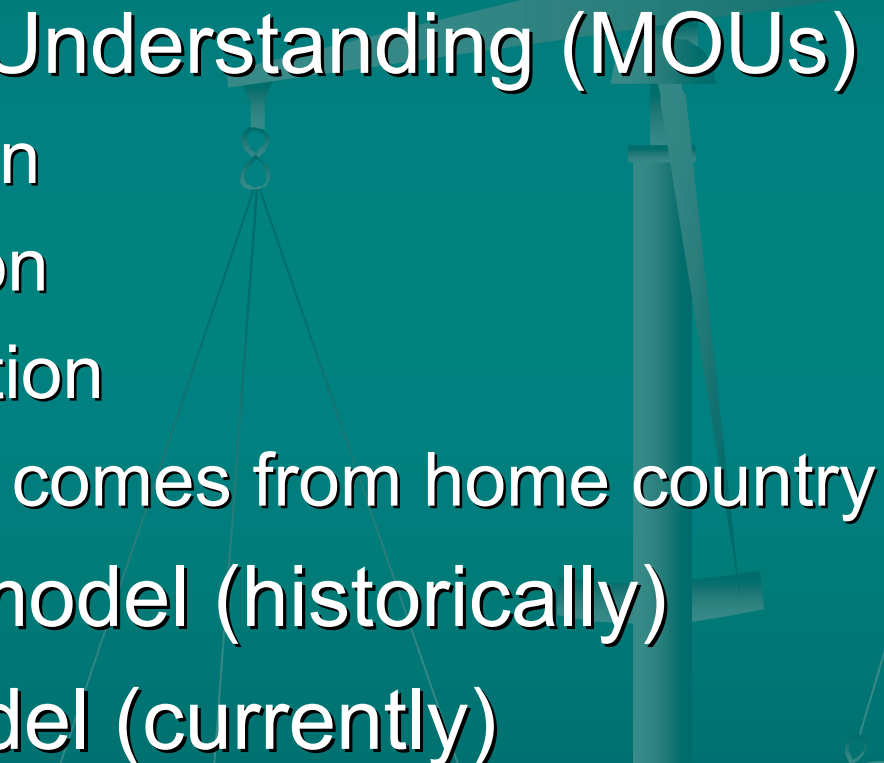
# Perceptions of, and benefits to, the 3 participants:

- Extremely impressed with
  - Organisation
  - Levels of knowledge of 'hard' science required
  - Demands made on participants (responsibilities)
- Hands-on experience of high-tech analytical methods not available in Africa
- Chances to network with peer group

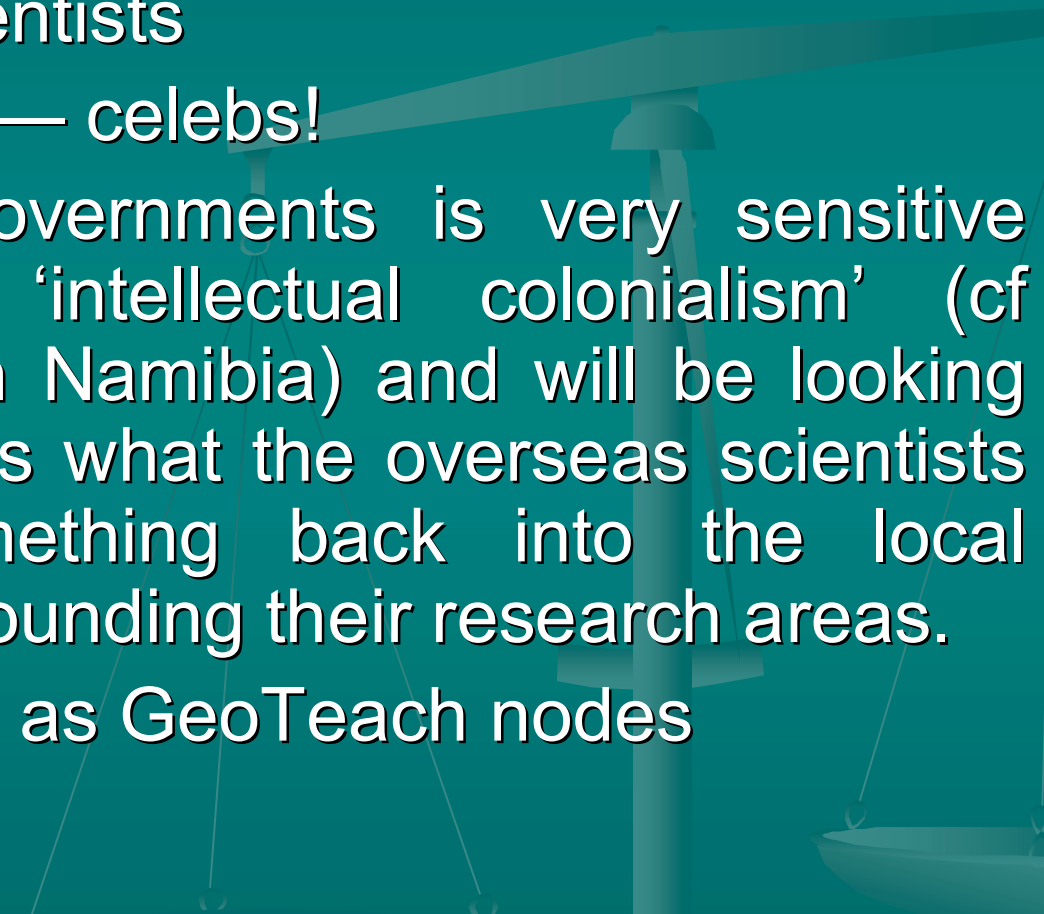
## And to the larger academic community:

- Enrichment of undergraduate students via formal teaching
- Analytical course to be offered jointly by the 3 attendees.

# Post-graduate students and scientists

- Memoranda of Understanding (MOUs)
    - Joint registration
    - Joint supervision
    - Double graduation
    - 75% of funding comes from home country
  - The Kaapvaal model (historically)
  - The Inkaba model (currently)
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# Current outreach

- South African scientists
  - French scientists — celebs!
  - South African governments is very sensitive about potential ‘intellectual colonialism’ (cf recent meeting in Namibia) and will be looking for real indications what the overseas scientists are putting something back into the local communities surrounding their research areas.
  - Using the science as GeoTeach nodes
    - Assistants
    - Public visits
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# EarthWISE: Increasing Science Literacy in Rural Communities

**Marian Tredoux**

*University of the Free State / University of Cape Town, RSA*

**Susanne Tönsing**

*Independent Research Psychologist, RSA*

# EarthWise: Striving for self-sufficiency

- More realistic charges for existing field trips and courses (potentially: a sliding scale, with corporate users and/or large international science cooperation projects) sponsoring less monied sectors)
- Evaluation and Africanization of existing study texts as a professional service, on contract
- Preparation of supporting activity aids for OBE — videos, DVDs, activity sets — for sale, inclusive of training workshops if required
- Wider market for EarthWise products:
  - Tour guides
  - Small scale miners
  - Companies involved in ecological/environmental management
  - Formal academic acknowledgement? Cf planned Earth Stewardship course at UCT.



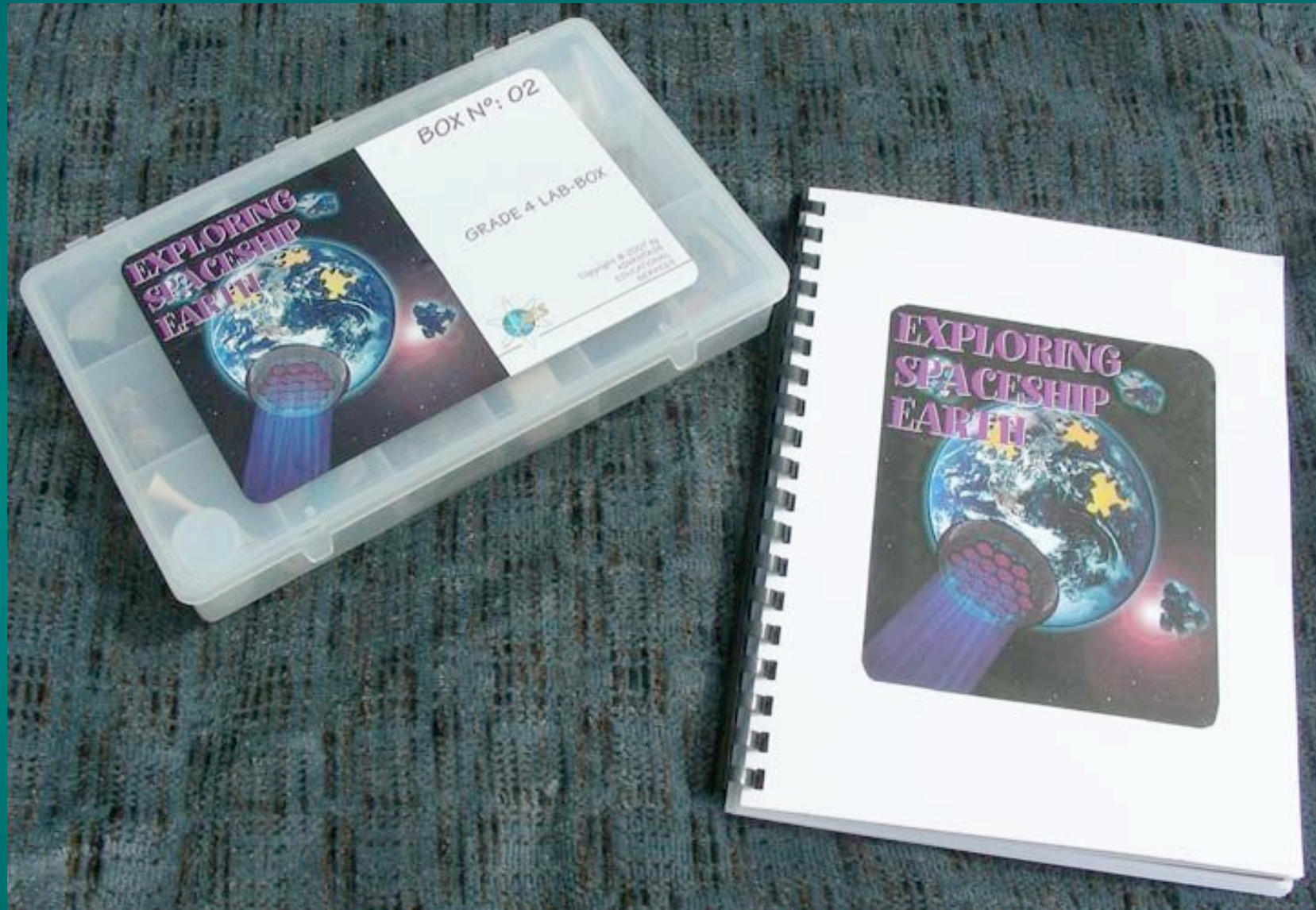


**Terra infirma.**

**An EarthWise presentation.**

**sponsored by**





BOX No: 02

GRADE 4 LAB-BOX

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Advanced  
Education  
Science

EXPLORING  
SPACESHIP  
EARTH

## EARTHWISE BUDGET

(per annum, per workshop with roadshow)

Central office at UFS	160000
Total, per workshop	56300
Expenses currently paid by participants	-13500
Total, per workshop - fees pd	42800
Total, per roadshow	37850
GRAND TOTAL (p.a.)	240650



**“Together we can do more.”**

**ANC campaign motto, 2009**