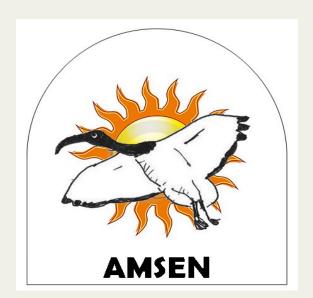
Update: ups and downs of a RISE network

L.A. Cornish (Director)







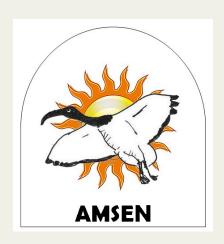






So what has AMSEN achieved since 2009?







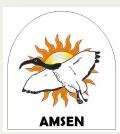
Students

7 MScs level and 6 PhDs awarded Graduates back working in their institutes 8 PhDs in progress; 3 MSc levels in progress



More identified





Students



We have our 5th female student on board!

And.





Students

SEN - All AMSEN graduates still in Africa, apart from OJ Dada who is undertaking his phD in Hong Kong! 8 PhDs in progress; 3





Studenc

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And I Phone I Mark and I Phone I I Morking on Corrections



A students did not complete. Won a prestigious scholarship to study in South Africa Absconded Failed proposal Failed proposal
Failed courses after not being accepted on to the research programme

Reasons?

Huge variability in student ability

Huge variability in the expected work requirements





Personnel....

1 mini Post-doc (non AMSEN funds)







Access has worked quite well (difficulties in "Jong access" now at Wits)

Access has worked quite (TFM XRD DTA)

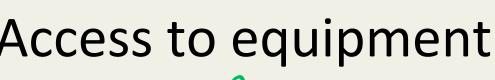
II. Rotswana (SFM) Wits (TFM) U. botswana (servi), writs (rein, AKU, UTA)
Tshwane University of Technology
Nielcon Mandela Matronalitan IIniversity (Minanali and Indiversity) Nelson Mandela Metropolitan University (NMMU) and Nelson Mandela Metropolitan University (NMMU) and U. Botswana (SEM), Wits (TEM, XRD, III. National Metrology Institute of South Africa (NMISA) have provided facilities to non Node students.





Access to equipment

Wits had not be seen with electron microscopes. The seen microscopes. The seen microscopes in the seen microscopes. The seen microscopes is the seen microscopes. The seen microscopes is the seen microscopes in the seen microscopes in the seen microscopes. Wits had no working SEM For 6 VEARS ITU U. Botswana now has no working SEM. TEM XRD since January 2013 have provided facilities to non





Wits "New" SEMs now working, but restricted to unmounted samples Access to equipment Another company helping U. Botswana Wits now has more X-Ray diffractometers! Electron back-scatter detector mounted on an 2nd hand SEM Wits getting an electron micro-probe analyser (EPMA) - May 2014 Wits Engineering now has its own SEM - pay a small amount



16 journals, 33 conferences, 4 conference presentations, 1 provisional patent



I journal paper rejected; I conference nearly rejected; provisional patent "let go 16 journals, 33 conferences, 4 confer







Several academic promotions, no one leaving?

Good recognition: awards, fellowships



1 academic did not come? I moved to South Africa but is still "flying the flag"

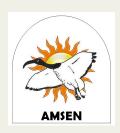


Legacy so far.....



- Students trained and back in their home institutions (1 in Hong Kong)
- New research
- Network built up → lives on in the students
- Networks larger than 5 original Nodes:
 - + 1 in Kenya; + 1 in Nigeria; + 1 in South Africa
- Recognition! But disappointment when cannot allow other institutions to join





Two extremes:

Wits:

- Pays bursaries
- Pays fees (more expensive)
- Accepted students from 3 other Nodes

Some of the other Nodes accept their staff:

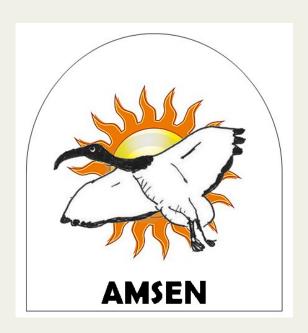
- No bursaries
- No / small fees

Location of the Secretariat



Sustainability issues...

- Concern regarding funding across boarders...
- Each country favours its own...
 - CoE-SM criticised for using AMSEN funds for non-SA students
- South Africa becoming more favorable to funding cross boundaries?
- South Africa expects saleable products more quickly! →IP issues....



Thank you!

A special thanks to the Carnegie-IAS Regional Initiative in Science and Education, African Academy of Sciences (AAS) and Science Initiative Group (SIG)