

Session 4.5.3 :

“Ensuring sustainability of water infrastructures by investing in Water Training Centers: it pays back!”

Wednesday 15 April, 14h40-16h40

Daegu EXCO, DEC_307, DAEGU - EXCO, 3F Room 321

Creation and sustainability of professional water training centers

Asief ALI

Rand Water Academy, South Africa

aasief@randwater.co.za

Creation and Sustainability of Professional Water Training Centers



RAND WATER

PRESENTATION BY : (RAND WATER)



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Contents



1.The World & Africa – Challenges

2.Multilateralism in Africa

3.Today – Tomorrow – The Future

4.Sustained Pipeline of Resources

5.Training Centre Model

6.Sustainability

7.Considerations

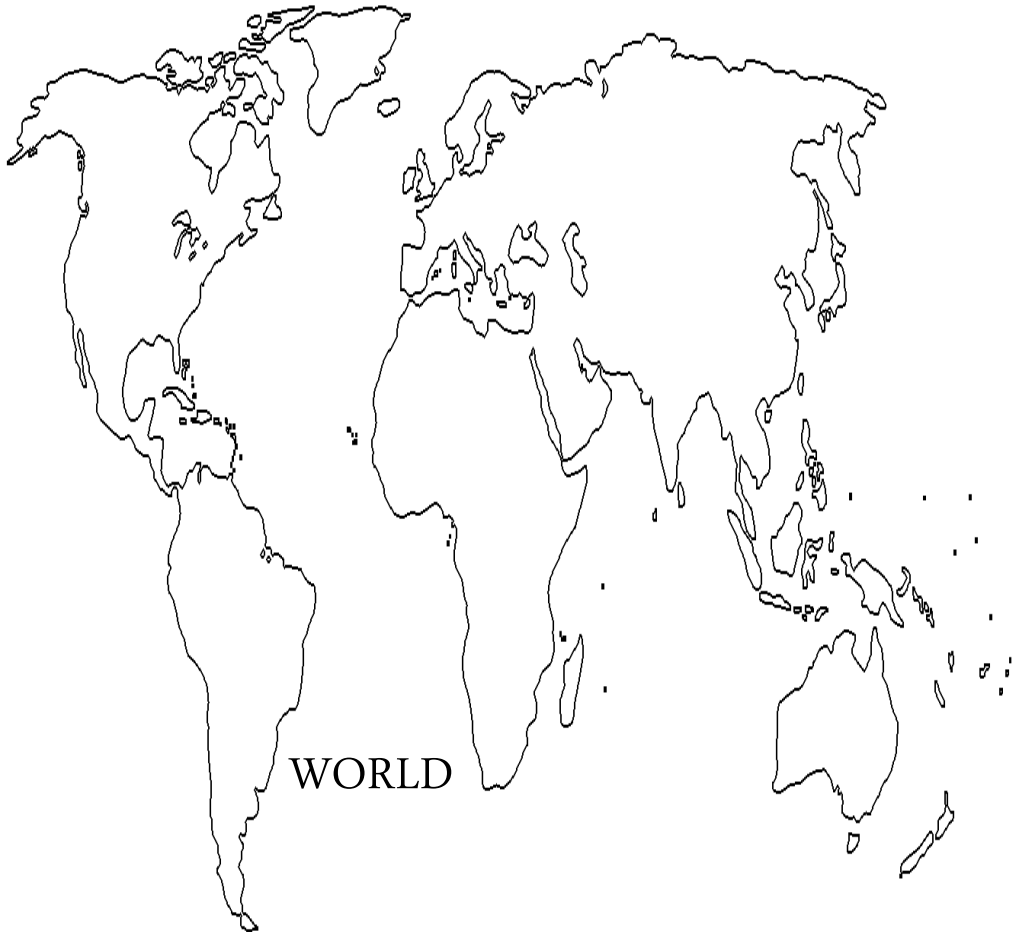
8.Thank You



Geographic Locations & Challenges

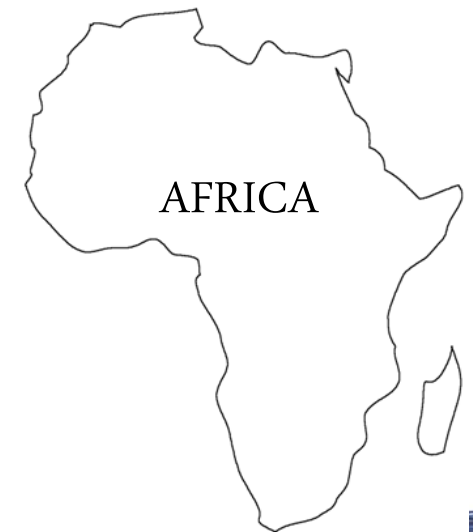


RAND WATER



Challenges:

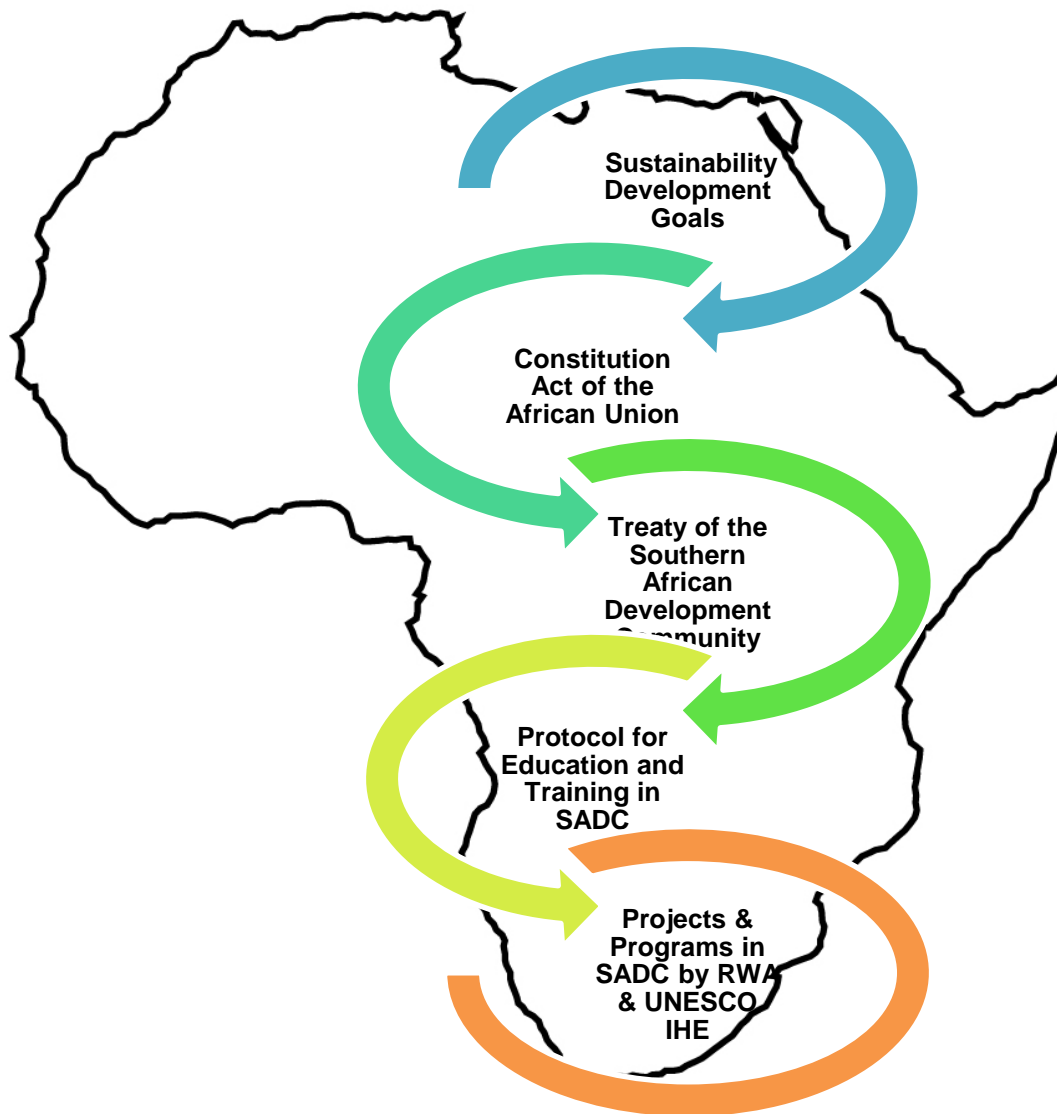
- Poverty
- Unemployment
- Political
- Economic
- Inflation
- Crime
- Trade Deficits
- **Skills Shortages**



Multilateralism in Africa



RAND WATER



Today / Tomorrow / Future



RAND WATER



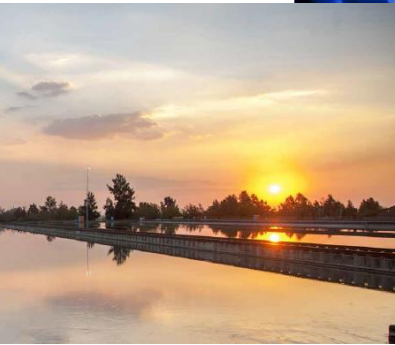
State Owned Entity

Rand Water Academy
+
Shareholder Academy

112
Years Old



?

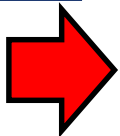


3500 employees

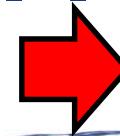
Pipeline of Skills for the Future

Plan for another
112 years

2015



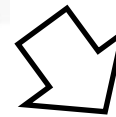
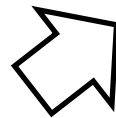
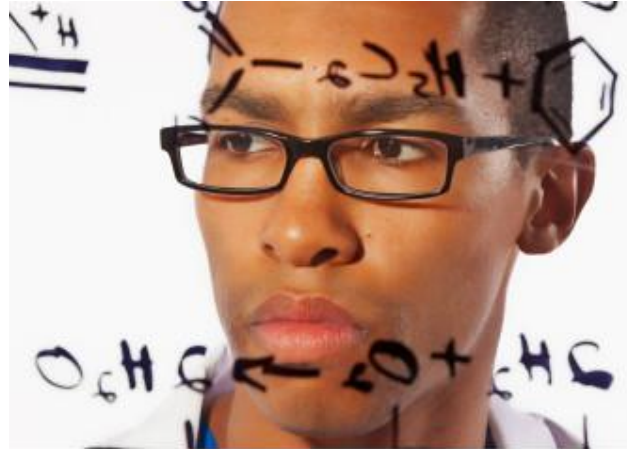
between now and then



2127

Sustained Pipeline of Resources

University – Graduate Programs to Professional Status



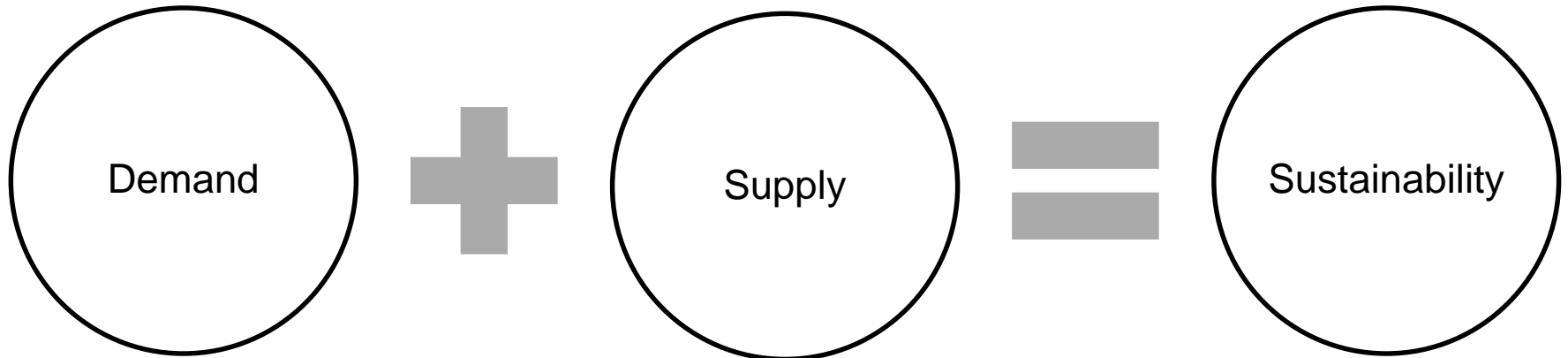
Effective school-to-work transition is critical in both developed and emerging economies



Global Water Professionals

Schools – Water Wise Education

Training Centre Sustainability



- Critical & Scarce Skills
- WAT/SAN sector growth
- Skills migration
- Limited Resource Types
- Aging workforce
- High unemployment of qualified graduates
- Legacy

- Providers of various skills types
- Economic pipeline of skills available
- Sector Capacity creations institutions

- Ensure Policy / Business / Community Alignment - LED
- In developing new curriculums, establish flexibility in a proportion that can be adapted by training providers to meet needs.
- Invest in better research, particularly on market needs linked to career guidance
- Joint Ventures / MoUs local & International (IOW)
- Networks and Benchmarks
- Make workplace learning mandatory for vocational programmes

1. Incoherence of the common purpose
2. New business venture to have solid foundation or parent company support to startup
3. WAT/SAN sector very reliant on International / Local Consultants – lack local innovations
4. Golden Triangle of Government / Business and Community to succeed
5. Niche market business
6. Networking and Regionalisation of the business model
7. Responsiveness to labour market needs



RAND WATER

Thank You

