Africa’s Future – In Whose Hands?

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Africa’s Future – In Whose Hands?

ENVIRONMENTAL EDUCATION ASSOCIATION OF SOUTHERN AFRICA
36TH CONFERENCE - KEYNOTE ADDRESS
PROF EURETA ROSENBERG - SOUTH AFRICA
When I look at the falls I see ...

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1. Africa’s Development Challenges
   • Risks & Opportunities
   • Ready to participate?

2. SD Choices for Africa
   • Water Options
   • Energy Options
   • Waste Options
   • Food Choices
   • Money and markets

3. Key concepts
   • Deep sustainability
   • Embeddedness
   • Active learning

4. The role of educators?
   • Government
   • Civil society
   • Industry
   • Youth
The World Wants to Partner with Africa
China offers Africa $60 billion in Aid

The 2018 Beijing Summit of the Forum on China-Africa Cooperation
Development Options – What to Choose? How?

What Benefits? For Whom? How are other important considerations affected? What path does this lock into?
Development Options – What to Choose? How?

What Benefits? For Whom? How are other important considerations affected? What path does this lock into?
Example: Copperbelt Mining and the Kafue, Zambia
Source: African Ecological Futures 2015, report by African Development Bank and WWF Regional Office, Nairobi
1928 First Copper Mine in Kafue Region

Mines need energy – Kafue Gorge Dam and ITT – impact on Ramsar wetlands

1964 Independence – Mines nationalized and mining wealth shared

1974 Copper crashes (oil crisis) – less money for development and rehabilitation – health and ecosystem impacts

Kafue River also vital for agriculture – Cash crops like sugar in the same Kafue Region

Rural households without electricity – firewood and charcoal – deforestation

Deforestation causes soil erosion which leads to dam siltation

Villagers moving to Lusaka – higher demand for resources

Waste management challenges – Lukanga Swamp absorbs pollutants

Climate Change

Youth Growth
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Youth Growth

Climate Change
Africa’s Future
What are the development choices we have?
Water for Africa
Energy for Africa
Food for Africa
Indigenous Seeds and Knowledge
Waste Solutions for the World

SA President Ramaphosa: “We need SAFE – Sanitation Appropriate for Education – and we need off-grid solutions”
Grass-fed beef is more nutritious than grain-fed beef and produces less methane (gas contributing to climate change)
New forms of Access
Key Concepts
Embedded economy and markets (Raworth, 2017); deep sustainability (Hattingh, 1999); active learning for EE/ESD (O’Donoghue, 2001)
Which one? Globe or Sphere?

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Immersed inside the sphere
We have entire ecosystems inside ourselves, and around us, and what we do to them, matters
Africa’s Future
Re-Cap of the Key Points
The Role of EE/ESD Educators?

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EE/ESD for Whom?

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WHAT DO GOVERNMENTS NEED FROM EDUCATORS?
Understanding Economics

As the basis for sustainable development and EE/ESD
Competencies for Sustainability

Wiek, Withycombe and Redman, *Sustainability Science*, 2011: Key competencies in sustainability: A reference framework for academic program development


EE / ESD for Civil Society

WHAT DO COMMUNITIES, WORKERS, NEED TO FROM EDUCATORS?

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EE / ESD for Industry

WHAT DOES INDUSTRY NEED FROM EDUCATORS?

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The Youth ... And Educators
Mobilising prior knowledge and experience

What do we already know?

What do we need to find out?

Information seeking

Who can we contact for help?

Equity encounters

Problem

Concern

Risk

FOCUS

Action taking

What will we report on the issue?

Making conclusions

What can we do?

Developing insights and competence for making better environmental management and lifestyle choices

What do we now know and what have we achieved towards sustaining alternatives?

Active Learning Framework
(O’Donoghue, 2001)
Africa’s Future
Re-Cap of the Key Points
In Whose Hands?

Thank you for the Opportunity!

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