

EuroAfriCa ICT Awareness Workshop

Research Capacity and Challenges in
Namibia

By

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Introduction

- **Namibian Environment**

- Landmass: 824269 sq km

- Population: 1.8 million +/- 2 people sq Km

- 60% live in Rural Areas

- 22% Arid (<100mm) Namib Desert Oldest

- 70% Semi-arid (100-500mm)

- 8% Dry sub-humid (>500mm)

Namibian Economic Drivers

Primary Sector: 20.3% 1996-2006

- Mining (10% of GDP) includes Diamonds, copper, Zinc, Uranium and gold
- Agriculture 5.6-7.9 %
- Limited value addition
- Fisheries 4.6%

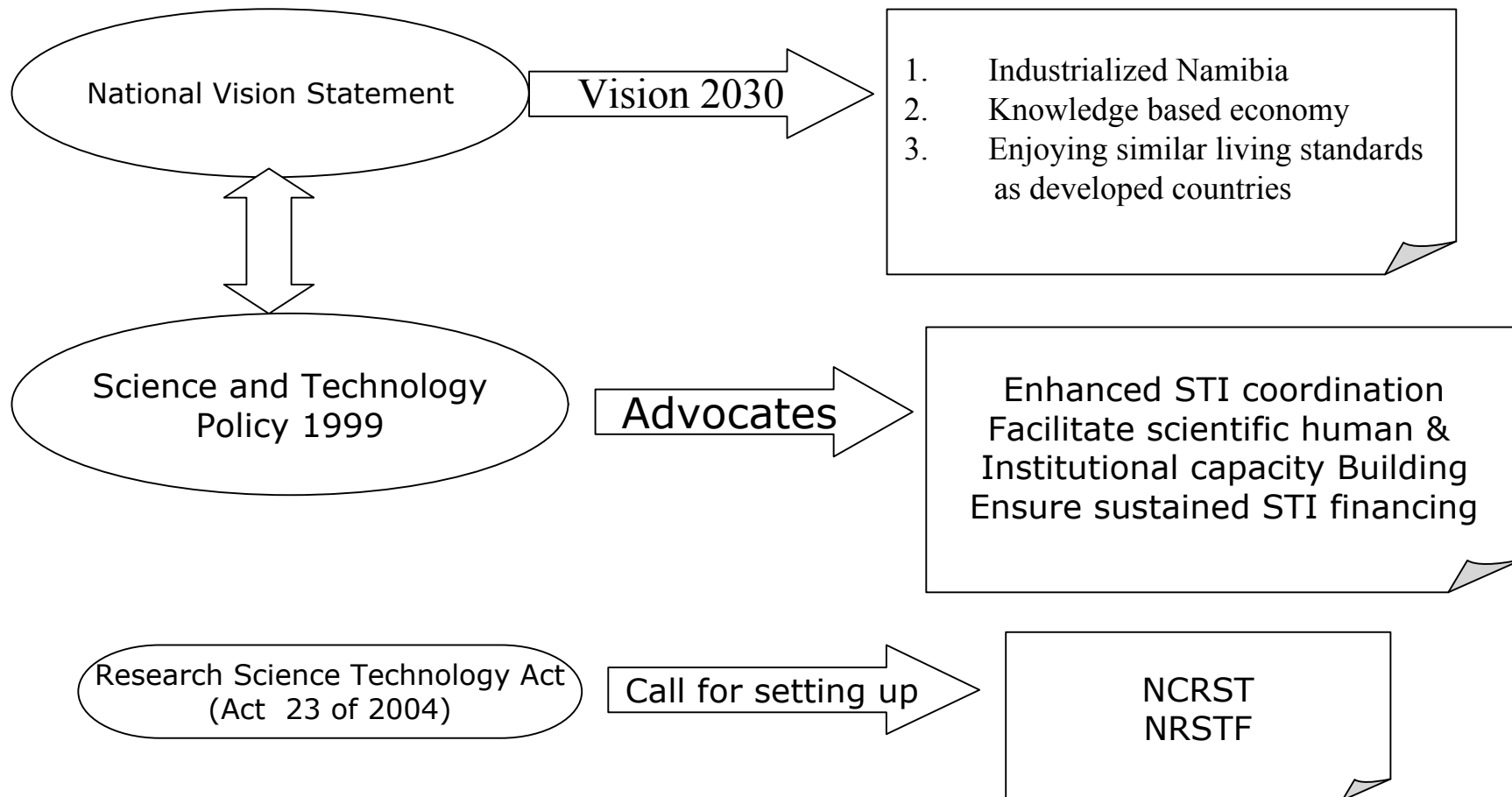
Secondary Sector: 19.3%

- Smelters
- Fish processing
- Meat processing

Tertiary Sector: 54.1%

- Tourism
- Government Services

R&D Motivation /Opportunity



Problem Areas

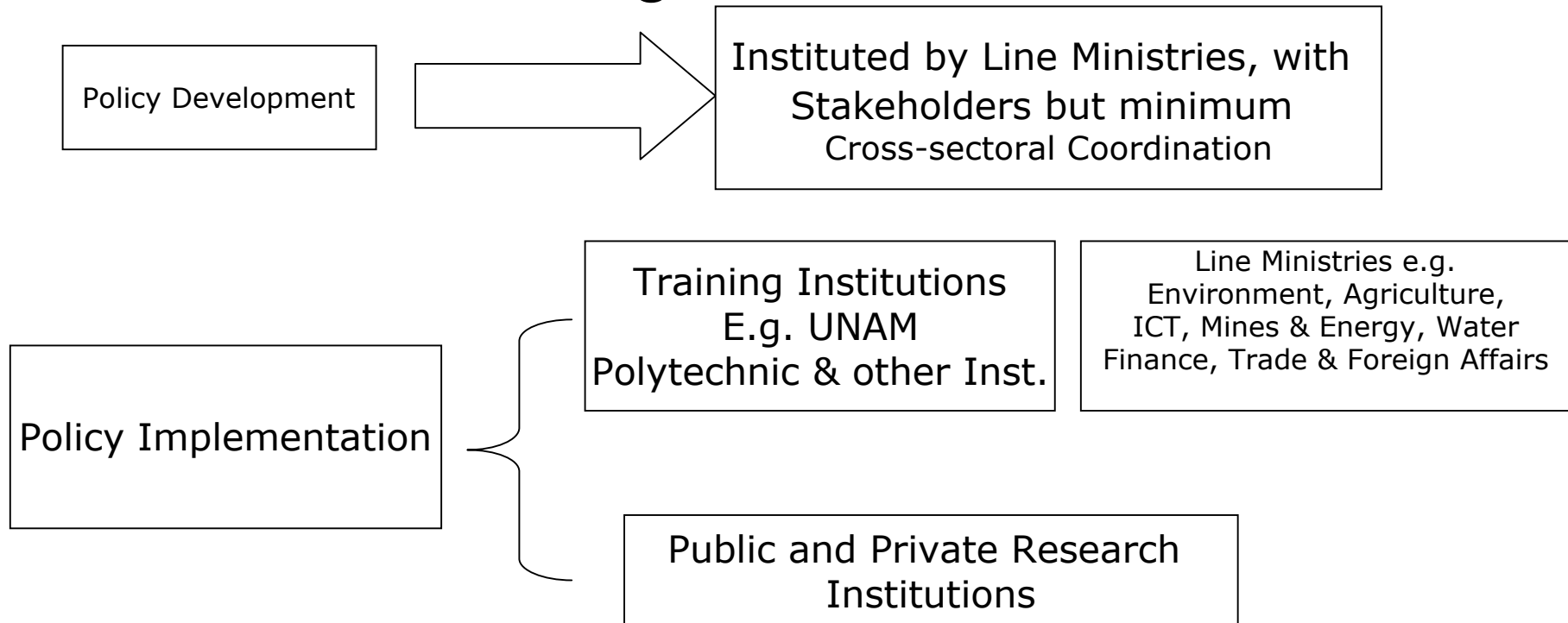
- Less developed National systems of innovation;
- Lack of Public Understanding of Science and Technology;
- Inadequate investments in research, science and technology
- Low numbers of highly skilled technical and scientific human and institutional capabilities;
- Lack of capacity to drive STI agenda;
- Fragmented and inadequately coordinated STI system;
- Public perception of Science and Technology;
- placement of science and technology inhibits the sector to effectively coordinate the fragmented activities.

Role players in Research & Development

- Ministry of Agriculture-research unit
- Central Veterinary Lab
- NamWater
- Mashare Agric. Development Inst.
- National Botanical Gardens
- Dept. Environmental Affairs
- Desert Research Foundation of Namibia
- National Museum of Namibia
- LaRRi
- NEPRU
- Namibia Institute of Mining Tech
- Polytechnic of Namibia
- University of Namibia
- NIED
- National Forensic Laboratory
- Ministry of Health and Social Services
- Dr. Sam Nujoma Marine Research and Resource Centre
- MRCC-UNAM
- Geological Survey of Namibia
- Bank of Namibia
- National Meteorological services
- Ministry of Trade and Industry

Approach and Methodology (1)

Current STI Arrangements

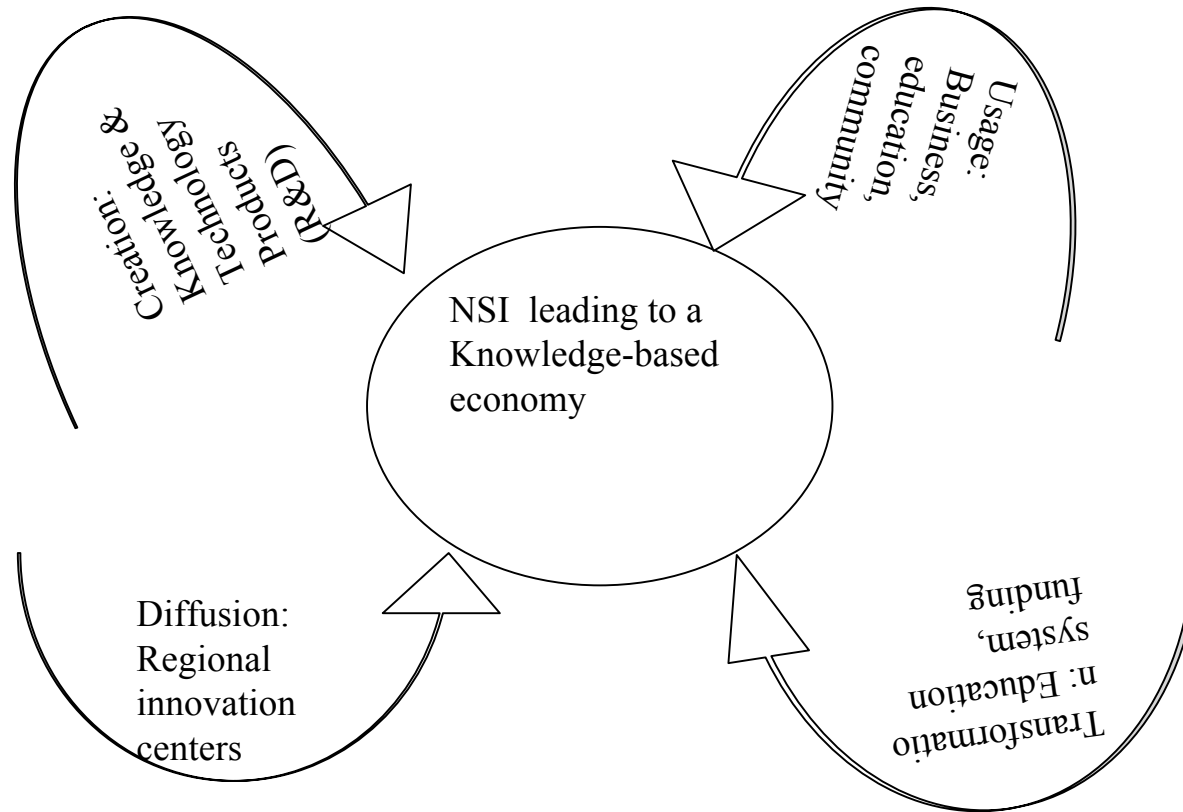


Pillars of NSI

- Creation (Knowledge based technology & products)
- Usage
- Transformation
- Diffusion

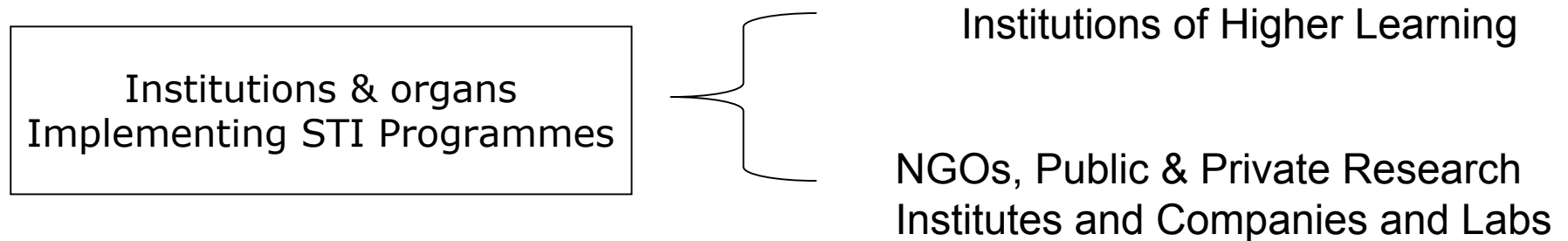
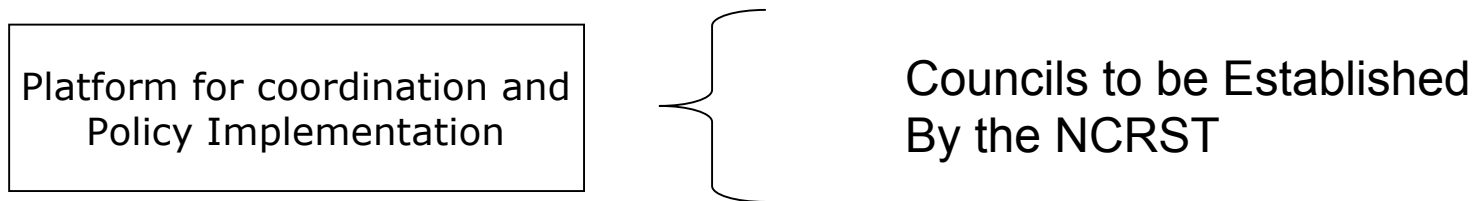
Approach & Methodology (2)

Future National System of Innovation



Approach & Methodology (3)

Future STI Arrangements



Expected Outcomes/Results

- An increased level of Value added research;
- Attaining 1% of GDP expenditure on R&D by 2010;
- Increase investment in R&D
- Develop Bio-technology framework and capacity
- Creation of public understanding of STI

Conclusion

- Exchange Scientific and Technological information;
- Establish partnership in coordinating STI activities;
- Leverage Knowledge;
- Create Bilateral and multilateral networks;
- Consolidate the existing relationship with all stakeholders i.e. National, Regional and Continental;
- Continue promoting the STI agenda both nationally and Regionally; and
- Create an enabling environment for R&D in Namibia.

Thank You for Your Attention !!!!!