

# RISE-AFNNET Development Strategy & Investment Plan (DSIP)

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# A Century of Academic Excellence: Have things Changed? Risk of Irrelevant Science & Education



1880



Recent

**We can not solve today's problems using the same logic and methods that created them!**

- ... We cannot anymore measure relevancy by mere numbers of enrolments, graduates, publications, books, programs etc
- Relevancy and Sustainability lay in meeting felt needs (strategic) of present and future generations
- Urgent need for a new generation of Science & Education Models, Institutions, fundamentally responsive to current needs

**1. Vision: Healthier, Wealthier and Eco-friendly societies in Africa through NP resources with RISE-AFNNET as a sustainable network of excellence.**

**2. Mission: “In partnership, drive transformative science, technology, innovations and services for the continuous improvement of communities & socio-economic transformation.**

**3. Beneficiaries: Communities and Ecosystems; Universities; Public and Private sector institutions in Member States, Africa and Globally**



# Overall Development Paradigm

Strong Strategic Universities Network - meeting felt needs of society and driven by:

1. Translating HESTI into Livelihoods & Socio-economic benefit
2. Strategic NP Industrial Value Chains Paradigm: Biotechnology & Business; Medicine & Health; Food & Nutrition; Agriculture & Environment
3. Regional focus - Africa agenda - Decentralized Smart partnerships– Regional with Strong Member State Nodes
4. Research
5. Learner-centered
6. Knowledge and technology transfer partnerships
7. Internationalisation – Appropriate globalisation
8. Excellence - excellence, best in quality
9. Gender equity

# Strategic priority 1: Organisation & Institutional strengthening: coordination mechanism, partnerships regionally & in member states

- Legal framework – initially as RISE-AFNNET Program at AFRISA. Later as RISE-AFNNET as independent legal entity & Program, with chapters / nodes in member countries.
- Regional Secretariat - AFRISA
- Logo
- Strategic plan
- Member state Networks
- Lab networks
- Membership Expansion

# Strategic priority 2: Productive Workforce development

- Shared Regional curricular (mobility, resource efficiency of resource use and sharing of experiences), competence based:
- Strengthening MNPV, and perfect it. Open registration across Universities.
- Pre- and in-service trainings: Graduate, PGD diplomas, undergraduate ;
- Infusion & integration of NP modules into existing programs e.g. Lab Technology
- CPD programs in NP: Natural Products modules for certificates e.g. NP agronomy, chemistry, dispensing to equip already existing graduates
- BSc with tracks e.g. ethno-medicine

## Strategic priority 3: Research, Knowledge and Technology transfer partnerships and networking

- Research in 5 Industrial value chains: Biotechnology & Business, Health, Food & Nutrition, Agricultural; & Environmental
- Natural products business incubation; shift to products and commercialization e.g. Artavol
- Expand collaboration with other researchers & networks
- Books, publications and other dissemination
- Biannual International Scientific Symposium on Sustainable Natural Products Industries, Health Remedies, Food, Agriculture and Business – start October 2014
- Website; Knowledge hubs and shared open education resources
- Student and Staff exchange; examinations support
- Lab networks, exchange and support
- Community and Industry engagement; Community-Based Education

# Strategic priority 4: Effective Resource Mobilization

- Grants office & officer at Secretariat and Nodes
- Minimum of 3 applications to be submitted annually.
- Each node to submit a grant annually on behalf of the network
- Enterprise development grants
- All PhD fellows to submit proposal (each)
- Umbrella Network with regional economic blocks
- BECA Fellowships @ ILRI Biosciences East and Central Africa
- Industry / private sector collaborations: service delivery
- One Health fellowships – Natural Health Remedies grant applications



# Key opportunities

1. Global Public Good of NP Biodiversity – Environment and Natural Resources Management - Conservation, Climate Change, Eco-restoration. SSA as a global hub for NP biodiversity .
2. NP Production and Agriculture, Eco-Tourism and Biodiversity Conservation
3. NP Foods and Nutrition
4. Global Health – One Health: Growing demand for Total Health & Nutrition – Cardiovascular complex – Natural health remedies, food & nutrition
5. Disadvantaged Groups: Poverty eradication - revamp and exploit NP resources; Employment of Youth and Women; Aquatic / Marine NP. Engendering NP Products sector, production enterprises, research & training

## Key opportunities (cont..d)

6. Growing markets for NP products and Biodiversity: Commercialization of NP Sector - Cottage industries and SMEs
7. Industrial Biotechnology - cosmetics & laundries
8. Growing demand for quality, safe and certified NP products & Services
9. African NP sector is a net-importer
10. Current Institutional, organizational and Capacity Bottlenecks

# Collaboration Framework

