

**ECA Sub-programme on *Innovations,
Technologies and the Management of
Africa's Natural Resources***

New Technologies and Innovation Section

Presentation at the 9th Session of
the ECA Committee on Sustainable Development

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by

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INTRODUCTION

- NEW TECHNOLOGIES AND INNOVATION SECTION (NTIS):
 - ESTABLISHED IN 2013 WITHIN AS ONE OF THE TWO SECTIONS OF THE SPECIAL INITIATIVES DIVISION (SID)
 - INHERITED THE FULL WORK PROGRAMME OF THE FORMER ICT, SCIENCE & TECHNOLOGY DIVISION (ISTD)
 - HAS TWO MAIN ACTIVITY CLUSTERS:
 - ICT/WSIS, AND
 - STI INCLUDING LIFE SCIENCES

GOAL

- SCIENCE , TECHNOLOGY AND INNOVATION RECOGNIZED AND MAINSTREAMED AS THE PRIMARY DRIVER OF ECONOMIC DEVELOPMENT AND STRUCTURAL TRANSFORMATION, PROVIDING SOLUTIONS TO THE MOST INTRACTABLE CHALLENGES OF DEVELOPMENT

OBJECTIVE

- FACILITATE THE ANALYSIS OF SCIENCE, TECHNOLOGY AND INNOVATION POLICIES, INCLUDING ICT POLICIES, IN ORDER TO STRENGTHEN THE CAPACITY OF MEMBER STATES TO DESIGN, IMPLEMENT, AND MONITOR STI & ICT POLICIES FOR ECONOMIC GROWTH AND STRUCTURAL TRANSFORMATION

STRATEGIES

- **STRENGTHENING STI POLICIES, INCLUDING ICT/IS POLICIES**
- **TRACKING AND MONITORING REGIONAL AND COUNTRY STI AND ICT PERFORMANCE**
- **STRENGTHENING STI/ICT STATISTICS**
- **STRENGTHENING RESOURCE MOBILIZATION**
- **BUILDING PARTNERSHIPS/CONSTITUENCIES FOR STI**

OUTPUTS

- AFRICAN SCIENCE, TECHNOLOGY AND INNOVATION REVIEW
- RESEARCH POLICY SERIES
- POLICY BRIEFS
- MEETINGS, SPECIAL REPORTS, AND POSITION PAPERS
- RESEARCH, STATISTICAL DATABASE
- TRAINING/CAPACITY BUILDING, ETC.

SPECIAL PROJECTS

- (ANNUAL) SENIOR EXPERTS DIALOGUE ON SCIENCE, TECHNOLOGY & THE AFRICAN TRANSFORMATION AGENDA
- BIOMEDICAL ENGINEERING INNOVATION SUMMER SCHOOL & ENTREPRENEURSHIP
- JOINT WITH NEPAD – AFRICAN SCIENCE, TECHNOLOGY, AND INNOVATION INDICATOR SURVEYS

Activities in the broad area of ICT/Information Society

- RESEARCH
 - CONTRIBUTION OF ICT TO AFRICA'S RECENT ECONOMIC GROWTH
 - OPEN DATA AND OPEN GOVERNMENT DATA
 - ICT MEASUREMENT
 - CYBER-SECURITY
 - IMPROVING ACCESS TO BROADBAND SERVICES
- ADVOCACY/CONSENSUS BUILDING
 - AFRICAN INTERNET GOVERNANCE FORUM,
 - AD HOC EXPERT GROUP MEETINGS
 - AFRICA REGIONAL REVIEW WSIS+10 AND BEYOND
 - ADVISORY SERVICES

Activities in the Area of Science, Technology and Innovation

- RESEARCH
 - POLICY RESEARCH REPORTS, AFRICA STI REVIEW (OCCASIONAL: ARIA VII)
 - TECHNOLOGY TRANSFER, ADOPTION , ADAPTATION AND DIFFUSION
 - AGRICULTURAL BIOTECHNOLOGY
 - STI INDICATORS AND COUNTRY PROFILES
 - YOUTH AND INNOVATION
 - INNOVATION HUBS, CLUSTERS AND PARKS AND THE INDUSTRIALIZATION PROCESS
 - NEPAD ASTII

Activities in the Area of Science, Technology and Innovation

- RESEARCH CONT'D
 - AU STISA 2024 & AGENDA 2063
 - SOCIAL CONSEQUENCES OF NEW TECHNOLOGIES
 - IPR
- ADVOCACY/OUTREACH
 - EGM
 - SENIOR EXPERTS DIALOGUE ON STI AND THE AFRICAN TRANSFORMATION AGENDA
 - HIGH LEVEL CONFERENCE ON STI
 - CAPACITY BUILDING

INTERSECTIONS/OPPORTUNITIES

- ARISE FROM ECA'S MANDATE
- ECONOMIC GROWTH
(URBANIZATION/MANUFACTURING
- TECHNOLOGY AS A MEANS OF IMPLEMENTATION
OF OUTCOMES OF UN SUMMITS
 - FINANCING FOR DEVELOPMENT
 - RIO+20
 - ISTANBUL PROGRAMME OF ACTION FOR LEAST
DEVELOPED COUNTRIES
 - COP-21 /CLIMATE CHANGE
 - SDG
- AU'S PROGRAMMES AND INITIATIVES

SOME EMERGING ISSUES (1)

- ICT/INFORMATION SOCIETY
 - SOCIAL MEDIA
 - TERRESTRIAL BROADBAND PROVISION
 - E-WASTE
 - PRICING, COMPETITION, REGULATION
 - SDG ICT INDICATORS FRAMEWORK
 - POST UNGA WSIS REVIEW ISSUES

SOME EMERGING ISSUES (2)

- STI
 - RESEARCH INFRASTRUCTURE, INCLUDING LABORATORIES
 - ADVANCES IN HEALTH TECHNOLOGIES
 - IPR (GEOGRAPHICAL NAMES AND GEOGRAPHICAL INDICATORS, PATENT TROLLS,
 - CLIMATE-CHANGE APPROPRIATE (CLEAN) TECHNOLOGIES
 - GREEN BIOTECHNOLOGY
 - NATIONAL SYSTEMS OF INNOVATION AND STI GOVERNANCE

CHALLENGES

- RAPID PACE OF TECHNOLOGICAL CHANGE;
- INTERNATIONAL MANDATES
- TECHNOLOGICAL CONVERGENCE
- GLOBAL LABOR MARKET IN SKILLS
- CAPACITY/RESOURCES

FOR FURTHER INFORMATION ON NTIS

- CONTACT:

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THE END

THANK YOU