Subprogramme 3
Innovations, technologies and management of Africa’s natural resources

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OUTLINE

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AFRICA’S DEVELOPMENT CHALLENGES

40 million people are projected to be food insecure by the peak of the 2016/17 lean season because of droughts linked to El Niño in the SADC region. (FAO)

22% Crop yield loss estimated across sub-Saharan Africa by 2050 (IPCC 2014)

$68 Billion per year economic loss of soil degradation affecting an estimated 180 million people in Africa.

4X deforestation took place at a rate of 0.8% per year in Africa, versus 0.2% at the global level from 1990 to 2000 (UN)

$1.1 Billion a year economic cost to Ethiopia’s GDP caused by drought (1997-2007) (Oxfam/WB)

75% African people are non-users of internet (International Telecommunications Union)

200 million Africans lead insecure lives due to climate change as their livelihoods depend on climate sensitive economic sectors. (ECA)

50% urban inhabitants in Africa are slum-dwellers. (AfDB)

2 to 3% GDP growth loss every year by poor infrastructure in Africa (IMF)

30 million young Africans were unemployed in 2015; the youth unemployment rate is 2X twice those of adults. (Mo Ibrahim)
50% of the world’s uncultivated arable land is in Africa.

450 M hectares of uncultivated arable land.

Less than 10% of Africa’s total hydropower potential is exploited.

1.4 million ha of irrigation could be secured based on current or planned dams associated with hydropower development.

30% of the world minerals

30% of the world’s uncultivated arable land is in Africa.

$1 trn

$313 bn

Current Value of food markets on the continent

203 Inter-Africa trade is just 18%

Africa has the highest technical potential for the deployment of Renewable Energy in the world.

Wide ranges of climatic and ecological conditions as well as biodiversity.
SDGs AS A SOLUTION

The implementation SDGs 17 Goals and 169 Targets are part of the solutions to these challenges.
Subprogramme 3 and SDG Goals

GOAL 2
Ending hunger & achieving food security in Africa

GOAL 8
Promote sustainable, inclusive and sustainable economic growth, full and productive employment and decent work for all

GOAL 9
Building resilient infrastructure and promoting inclusive and sustainable industrialization and innovation

GOAL 12
Ensure sustainable consumption and production patterns

GOAL 13
Take urgent action to combat climate change and its impacts

GOAL 14
Conservation & sustainably use the oceans, seas and marine resources for sustainable development
SUBPROGRAMME 3

Innovations, Technologies And Management Of Africa’s Natural Resources

Technology and technological innovations
Promoting the use of social, economic and environmental innovations and technological systems

Green economy and green growth
Implementation of policies to foster a green economy in the context of sustainable development and poverty eradication and realize optimal benefits from Africa’s natural resource endowments;

Mineral resources development
Developing mineral resources in the context of the Africa Mining Vision

Climate Change
Providing support to member States in addressing challenges of climate change in key sectors, and putting in place appropriate plans and mechanisms to reflect national development priorities, policies, strategies and programmes
Build Resilience of Vulnerable Sectors (e.g., Agriculture, energy, water, industry...)

Ensure Ecosystem Resilience and Resource Efficiency

- Mainstreaming climate into development policies
  - Projects on Climate Information infrastructures investment; Projects on nexus of CC, Agriculture and trade; Projects on adaption

- Addressing climate change and limit the environmental impacts of resource use

- Policies to achieve a green transformation
  - Project to develop tools, principal and approaches for inclusive green growth

- Undertaking policy-relevant research and analysis on natural resources mg’t

- Policies that harness new technologies & innovations
  - Senior experts dialogue on Science, Technology and innovation on Africa’s transformational agenda

- Undertaking research, policy development and analytical work on new technology

Achieving Resilient Green Economy in member states
improved human well-being and social equity, while significantly reducing environmental risks and ecological scarcities and help achieving SDG Goals
Thank You

United Nations Economic Commission for Africa

Merci

Asante Sana