

# Subprogramme 3

Innovations, technologies and management of  
Africa's natural resources

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# OUTLINE

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- AFRICA'S DEVELOPMENT CHALLENGES
- UNTAPPED POTENTIALS
- SDG GOALS
- SUBPROGRAMME 3
- SYNERGIES

# 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)

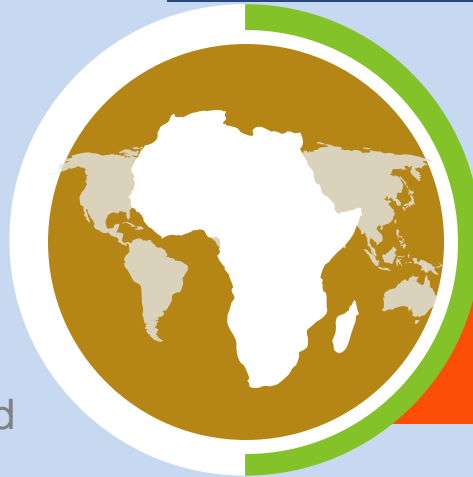
# Untapped potential

50%

of the world's uncultivated arable land is in Africa.

450 M

hectares of uncultivated arable land.



30%

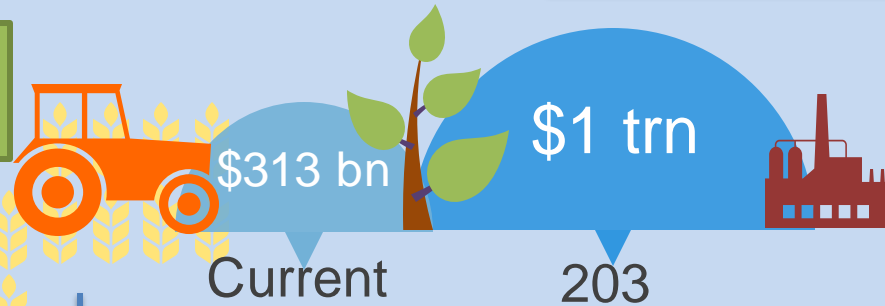
of the world minerals

Wide ranges of climatic and ecological conditions as well as biodiversity

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

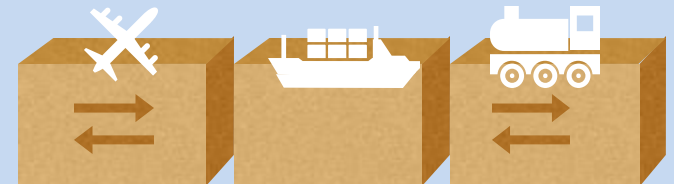
Less than 10% of Africa's total hydropower potential is exploited.

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



Value of food markets on the continent

Inter-Africa trade is just 18%



# SDGs AS A SOLUTION



The implementation of 17 Sustainable Development 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 14**  
Conservation & sustainably use the  
oceans, seas and marine resources  
for sustainable development



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



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

**GOAL 12**  
Ensure sustainable consumption  
and production patterns



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

Sub-program  
directly addresses  
the following 6  
SDGs Goals

# SUBPROGRAMME 3

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## Innovations, Technologies And Management Of Africa's Natural Resources

### Technology and technological innovations

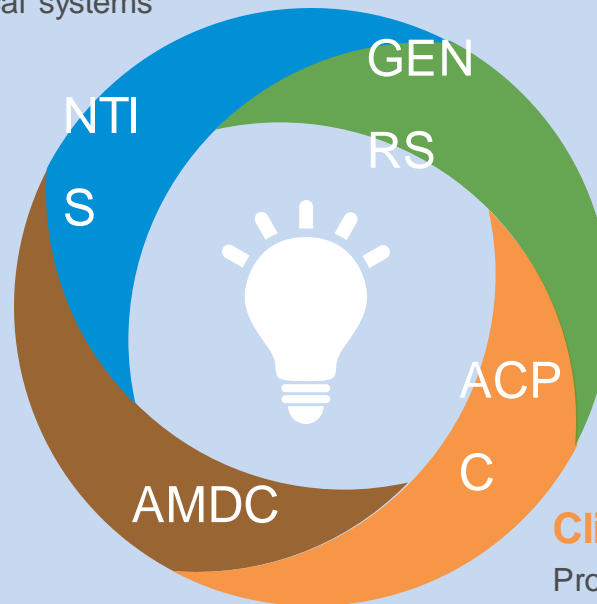
Promoting the use of social, economic and environmental innovations and technological systems

### 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

# SYNERGIES

**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*

**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

**Build Resilience of Vulnerable Sectors**  
(e.g., Agriculture, energy, water, industry...)



Thank You

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Economic Commission for Africa

Merci

Asante Sana