



Introduction of PASET and ACE

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August 2019

1 Science, technology and innovation form a critical pillar for growth in today's economy.

- In order to sustain high levels of growth and productivity need a solid foundation Science Technology and Innovation
- The belief of the Government of Rwanda in the power of Science for building Rwanda's Economy – Economic Growth, Social Development – is embodied in:
 - Vision 2020 & Vision 2050 Developmental Blueprints
 - The National Policy of Science, Technology and Innovation
 - National Strategy for Transformation
 - Africa's Agenda 2063
- Young people biggest asset Continent will have 525 million youth by 2050

Building Skills in STR&I: Technology in Education



2 World Bank-funded Africa Centres of Excellence (ACE) Project



- The ACE project aims to improve the quantity and quality of higher education in selected regional centres of excellence through regional specializations. Since the approval of the first ACE Project in 2014 for West and Central Africa, the ACE has expanded across the continent with three phases of the project now totaling an investment of approximately \$650 million in 72 centers across 20 countries.

► Objective of ACE II Project is: To strengthen selected higher education institutions to deliver quality post-graduate education and build collaborative research capacity in the regional priority areas.



3 Partnership for skills in Applied Sciences Engineering & Technology (PASET)

- Strengthen Applied Science, Engineering and Technology contribution to socio-economic transformation in SSA;
- Overseen by Ministers with responsibility for Higher Education Science and Technology of the member countries: Rwanda; Senegal; Ethiopia; Kenya and Cote d'Ivoire.
- Focuses on building the continuum of skills in STEM areas from upper secondary and TVET level to doctoral training and post-graduate research.
- Brings together diverse partners to create a critical mass of scientists, engineers and researchers in Africa.



4 Regional Scholarship and Innovation Fund (RSIF)

- **PASET's flagship program, the Regional Scholarship and Innovation Fund (RSIF)**, was launched in 2015 by His Excellency President Macky Sall of the Republic of Senegal, together with the representatives of H.E. President Kagame of Rwanda and H.E. Prime Minister Desalegn of Ethiopia.
- Pan-African science fund that provides grants for PhD training, research and innovation in applied sciences, engineering and technology fields for priority sectors of growth in Africa, prioritizing women and young African faculty without PhDs.

5 Regional Scholarship and Innovation Fund (RSIF)

KEY HIGHLIGHTS:

US\$ 36 million raised from 6 SSA governments, Government of Korea and World Bank. Commitments made by 5 additional SSA governments.

10 SSA universities competitively selected as Host Universities from almost 160 applicant universities.

16 scholars from 8 countries (first cohort) competitively selected, funded and enrolled in PhD programs from 980 applicants.

Second cohort of 45 scholars to be selected in coming months



All with the aim of raising the quality of PhD training and research in competitively selected SSA universities

6. PASET Programs: PASET Forums and Study Tours



PASET FORUM

Since 2013, PASET has organized five Forums around Africa that have contributed to serve as avenue for knowledge-sharing and bring together diverse stakeholders for a rich exchange of strategies to build high quality technical and scientific capacity in the SSA region

STUDY TOUR

Over the years, PASET has organized several study tours for African governments and institutions to partner countries to promote knowledge exchange on higher education and skills development



7. PASET Partnership

Korea



- Provides technical assistance as part of KSP
- Financially supports some PASET activities through Trust Fund at World Bank
- PASET will sign MOU with the Korea Institute of Energy Research (KIER), Korea Research Institute of Chemical Technology (KRICT) and the Seoul National University (SNU) for RSIF sandwich program.

China



- MOU between Africa-China-World Bank for tripartite collaboration with Africa on higher education, TVET, science and technology including PASET
- Financially supports some PASET activities through Trust Fund at World Bank
- Study tours on higher education and TVET

India



- World Bank and India's Department of Science and Technology signed an MoU that will facilitate partnerships between RSIF host universities and Indian Institutes of Technology.
- Study tour on TVET

Japan



- Two MoUs were signed between RSIF host universities and a Japanese university and an online education company respectively.
- Study tour on higher education

Private Sector

- PASET signed an MoU with Samsung Dream Scholarship Foundation on supporting the stipend of RSIF students.
- An MoU is under preparation with the OCP Group to partner with PASET RSIF in key areas of academic training through the University Mohammed XI University in Morocco.
- Discussions on supporting the program were held with MasterCard Foundation, the Bill and Melinda Gates Foundation and the Arab Bank for Economic Development in Africa (BADEA).

8 Future Partnerships

- **Africa can learn from countries like Japan that have industrialized and be inspired by the path they have taken to build their highly skilled workforce.**
- **We are committed as African leaders to give our youth the best opportunities for the future by providing them the highest quality education and environment to succeed as scientists, engineers, researchers and innovators and serve as future leaders for Africa.**
- “The Africa we want is the Africa where Africans trained in Africa bring solutions to the existing problems of Africa.” Noel Gahamanyi PASET Scholar
- I highlight that PASET and the ACEs are regional platforms, and in the case of PASET, African governments have taken the lead to seed a permanent science fund.
- With your strong interest in capacity building in these areas, I hope that Ministry of Education, Culture, Sports, Science and Technology (MEXT) will find it relevant and beneficial to explore supporting the Regional Scholarship and Innovation Fund of PASET.

PASET's Growth and Ongoing Initiatives

Thank you