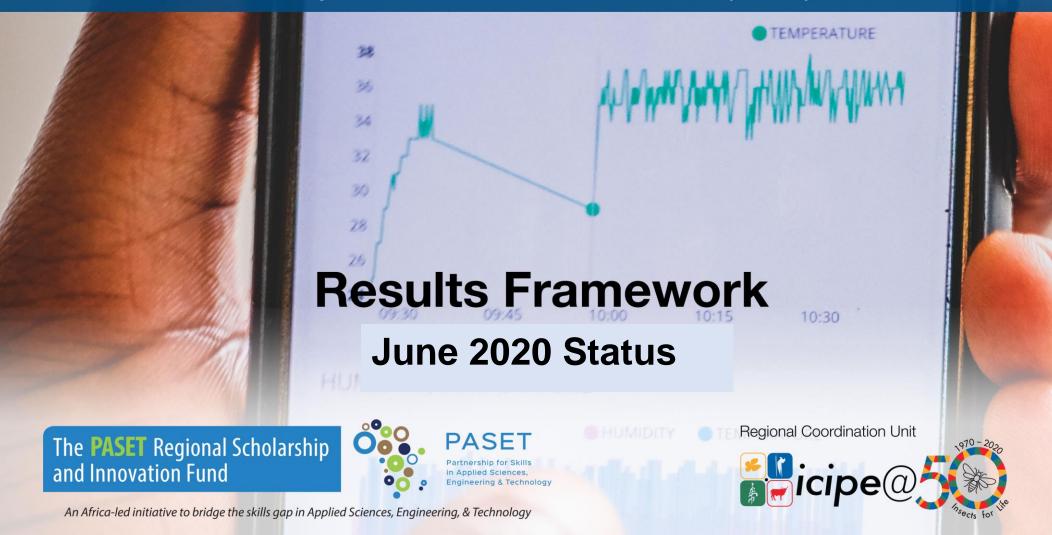# International Centre of Insect Physiology and Ecology (*icipe*)

Project Title: African Regional Scholarship and Innovation Fund for Applied Sciences, Engineering and Technology Project in Sub-Saharan Africa (RSIF)

Results Framework

June 2020 Status

The PASET Regional Scholarship and Innovation Fund

An Africa-led initiative to bridge the skills gap in Applied Sciences, Engineering, & Technology

PASET
Partnership for Skills in Applied Sciences, Engineering & Technology

Regional Coordination Unit

icipe@50
1970 – 2020
Insects for Life

Project Basic Data

Organisation	International Centre of Insect Physiology and Ecology
Project title	African Regional Scholarship and Innovation Fund for Applied Sciences, Engineering and Technology Project in Sub-Saharan Africa (RSIF)
Location	Africa
Project ID	P165581
Contact person	Dr Moses Osiru
Project Approval date by board	21st June 2018
Date of effectiveness	30th June 2018
End date	30th June 2024
Budget	USD 15 Million Equivalent
Reporting period	1st July 2019 to 30th June 2020
Date of report	30th June 2020

RSIF Indicator Tracking Sheet (June 2020 Status)

Indicator by DPO/Intermediate Results (IR)	Unit of measurement	Baseline (2018)	Target Year 1 (2018- 2019)	Achieved Year 1 (2018-2019)	Target Year 2 (2019- 2020)	Achieved Year 2 (2019-2020)	Target Year 3 (2020- 2021)	Target Year 4 (2021- 2022)	Target Year 5 (2022- 2023)	End of Project (EoP) Target
DPO I: To strengthen the institutional capacity for quality and sustainable doctoral training, research and innovation in transformative technologies in Sub-Saharan Africa (SSA)										
Outcome 1: Improved institutional capacity for sustainable doctoral training, research and innovation in SSA										
PDO 1.1: Growth of Regional Scholarship and Innovation Fund	Amount (USD)	9,000,000. 00	14,000,000.00	14,000,000.00	20,000,000.00	20,000,000.00	30,000,000.00	42,000,000.00	54,000,000.00	65,000,000.00
PDO 1.2: Growth of regional scholarship and innovation Fund (General Fund)	Amount (**USD**)	9,000,000.00	14,000,000.00	14,000,000.00	18,000,000.00	14,000,000.00[1]	25,000,000.00	33,000,000.00	42,000,000.00	50,000,000.00
PDO 1.3: Growth of Regional Scholarship and Innovation Fund (Permanent Fund)	Amount (USD)	0.00	0.000	0.000	2,000,000.00	0.000[2]	5,000,000.00	9,000,000.00	12,000,000.00	15,000,000.00
PDO 1.4: Number of PhD scholars that have enrolled in RSIF programs	Number	16.00	56.00	15	96.00	82[3]	96.00	96.00	96.00	96.00
PDO 1.4: Number of PhD scholars that have enrolled in RSIF programs (female)	Number	4.00	14.00	3	30.00	30	30.00	30.00	30.00	30.00
PDO 2.1: No. of implemented networks between host universities and international partners for PhD training and research collaboration	Number	0.00	2	0	5.00	0[4]	8.00	10.00	10.00	10.00
PDO 2.2: No. of students/staff that take cross-cutting courses, entrepreneurship and/or research commercialization	Number	0.00	0.00	15	15.00	111[5]	35.00	60.00	90.00	120.00

[1] Ghana and Burkina Faso joined PASET, contributing USD 2 million each to RSIF. Founding member Senegal also contributed USD 2 million. Contract execution and withdrawals are in progress.

[2] Currently pending finalization of feasibility study for the establishment of the fund. The final study report and related implementation plan will be submitted in July 2020. Establishment timeline will be confirmed by the EB.

[3] Selection process for the second cohort of RSIF scholars completed and 67 students have been awarded adding to the 15 in the first cohort.

[4] RSIF Networks initiated and will reviewing partnership agreements. These include (i) Artificial Intelligence and Big Data led by the University of Rwanda and the University of Gaston Berger; (ii) Dryland related issues led by Bayero University; (iii) Materials and Mining Science and Technologies (MaST) led by the Nelson Mandela African Institute of Science and technology; (iv) Solar Energy network led by the University of Rwanda and (v) COVID-19 research led by Sokoine University of Agriculture.

[5] 15 Cohort 1 scholars were trained in Kigali in May 2019 and in January 2020 RCU-RSIF organized and hosted a grant writing capacity building workshop targeting 32 faculty of AHUs and their partners. An Orientation and training workshop was organized for the RSIF Cohort II scholars and 64 scholars participated.

Indicator by DPO/Intermediate Results (IR)	Unit of measurement	Baseline (2018)	Target Year 1 (2018- 2019)	Achieved Year 1 (2018-2019)	Target Year 2 (2019- 2020)	Achieved Year 2 (2019-2020)	Target Year 3 (2020- 2021)	Target Year 4 (2021- 2022)	Target Year 5 (2022- 2023)	End of Project (EoP) Target
courses supported by the project										
PDO 2.3: No. of research papers submitted by staff members or scholars supported by the project for publication to internationally indexed journals	Number	0.00	0.00	0	0.00	15	5.00	15.00	25.00	35.00
PDO 2.4: No. of research papers submitted by staff members or scholars supported by the project for publication to internationally indexed journals (Female authors or co-authors)	Number	0.00	0.00	0	0.00	2	1.00	4.00	7.00	10.00
Intermediate Results indicators										
Component 1: Capacity development for growth and management of a scholarship, research and innovation										
IR 1.1: Permanent Fund established	Yes/No	N	N	N	Y	N[6]	Y	Y	Y	Y
IR 1.2 PhD scholar and research grants administration unit established	Yes/No	N	Y	Y	Y	Y	Y	Y	Y	Y
IR 1.3: Number of RSIF host institutions	Number	4.00	4	11	10	11[7]	10	10	10	10
IR 1.4: Number of partner institutions	Number	2.00	3	7	5	8[8]	7	9	12	15

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[6] Consultant recommendations on legal domicile, governance structure and investment policy are expected in July 2020 for PASET EB consideration.

[7] The current approved African Host Universities (AHUs) include: Nelson Mandela African Institution of Science and Technology (NM-AIST-Tanzania), African University of Science and Technology (AUST-Nigeria), Sokoine University of Agriculture (SUA-Tanzania), University of Ghana (UG-Ghana), University of Port Harcourt(UNIPORT-Nigeria), University of Nairobi (UoN-Kenya), Gaston Berger University (GBU-Senegal), University of Rwanda (UR-Rwanda), Bayero University (BUK-Nigeria), University Félix Houphouët-Boigny (UFHB-Côte d`Ivoire) and Kenyatta University (KU-Kenya).

[8] International partner institutions include: Korea Institute of Science and Technology (KIST), Korea Institute of Energy Research (KIER), Korea Research Institute of Chemical Technology (KRICT), Institute of Green Bio Science and Technology - Seoul National University (GBST-SNU), Korea, Mohammed VI Polytechnic University (UM6P), Morocco, Worcester Polytechnic Institute (WPI), USA, Virginia Tech, USA, Maastricht Uni, Netherlands, University of Greenwich, Natural Resources Institute, UK, ILRI, Kenya, Karlsruhe Institute of Technology (KIT), Germany, Global R&DB Center (GRC), Seoul National University (SNU -GRC), Korea, Samsung Dream Foundation, Korea https://www.rsif-paset.org/about/partner-universities.

Indicator by DPO/Intermediate Results (IR)	Unit of measurement	Baseline (2018)	Target Year 1 (2018- 2019)	Achieved Year 1 (2018-2019)	Target Year 2 (2019- 2020)	Achieved Year 2 (2019-2020)	Target Year 3 (2020- 2021)	Target Year 4 (2021- 2022)	Target Year 5 (2022- 2023)	End of Project (EoP) Target
IR 1.5: Number of RSIF host institutions that start international accreditation process at the PhD programme level or at the institutional level	Number	0.00	2	5	4	6[9]	10	10	10	10
IR 1.6: No. of host universities with an online application system in place	Number	0.00	0	8	1	8[10]	3	5	7	10
IR 1.7: No. of cross-cutting training courses/workshops for RSIF scholars and researchers	Number	0.00	0	3	2	14[11]	4	6	8	10
IR 1.8 No. of scientific and technological journals and databases that can be accessed by RSIF scholars and researchers	Number	11,250	12,000	20,000	14,000	20,000[12]	17,000	18,000	19,000	20,000
IR 1.9: Innovation Grants administration unit established	Yes/No	N	N	Yes	Y	Y	Y	Y	Y	Y
IR 1.10 : No. of firms that co-finance innovations grants	Number	0.00	0.00	0.00	2	2[13]	4	6	8	10
IR 1.11: Number of innovations grants awarded to RSIF host universities	Number	0.00	0.00	0.00	6	6[14]	6	6	6	6

[9] Links to university International accreditation details: African University of Science and Technology completed the process by HCERES, University of Ghana started the process with AQAS), Germany, University of Port Harcourt initiated the process with HCERES, University of Rwanda initiated the process with ZEvA, Bayero University initiated the process with HCERES, Université Félix Houphouët-Boigny completed the process with HCERES.

[10] Links to the online application portals: 1) University of Ghana 2) NM-AIST, 3) KU 4) BUK, 5) UoN 6) UNIPORT 7)UR,8) SUA and 9)UGB. RSIF also has a central online application system used for this call and accessible to all 11 universities, here. Universities of Félix Houphouët-Boigny (Côte d`Ivoire) has started the process of establishing the online application portal.

[11] Courses: Include Research Communications, Digital Storytelling, Research Ethics and information literacy conducted in year I (2018-2019) and Reference management & open access and Grant writing workshop E-Resources, Grievance address mechanisms, Sexual harassment training, Strategies for a successful PhD, PhD proposal writing, Responsible conduct of research including research ethics, Introduction to information literacy, Introduction to research methods and statistics, data analysis and management, Research communication and social media for RSIF scholars as RSIF Ambassadors, Science presentations, Science posters conducted in year II (2019-2020). Link to evaluation, here.

[12] The 11 AHUs have signed annual running agreements with the *Research4Life* (R4L) program that allows them to access ~85,000 resources including peer-reviewed international scientific journals, books and databases provided by leading science publishers. These include 12,000 journals that focus on ASETs. Following most journals granting free access to articles during the COVID-19 pandemic the program can now access to more than 8,000 articles.

[13] Two private companies are co-applicants to Cooperability Grants approved for award to applicants from the University of Rwanda and University of Felix Houphouet-Boigny

[14] Six Institutional Innovation Capacity Building Grants (Innovation Type 1) were approved for award by the PASET EB, on May 29, 2020, the RCU has initiated project inception activities with the grant winners.

Indicator by DPO/Intermediate Results (IR)	Unit of measurement	Baseline (2018)	Target Year 1 (2018- 2019)	Achieved Year 1 (2018- 2019)	Target Year 2 (2019- 2020)	Achieved Year 2 (2019-2020)	Target Year 3 (2020- 2021)	Target Year 4 (2021- 2022)	Target Year 5 (2022- 2023)	End of Project (EoP) Target
IR 1.12 Number of innovation grants awarded to faculty of RSIF host institutions	Number	0.00	0.00	0.00	5	2[15]	5	5	5	5
Component 2: Scholarships and research grants for ASET										
IR 2.1: Number of RSIF scholars who graduate PhD programs	Number	0.00	0.00	0.00	0	0	0	14	48	82
IR 2.2: Number of RSIF scholars who graduate PhD programs (female)	Number	0.00	0.00	0.00	0	0	0	3	12	26
IR 2.3: Number of research grants awarded to faculty of RSIF host institutions	Number	0.00	0.00	0.00	10	6[16]	10	10	10	10
IR 2.4: Number of research grants awarded to RSIF scholars	Number	0.00	0.00	0.00	0	0[17]	0	8	16	16

Description of Indicators

Indicator by DPO/Intermediate Result (IR)	Description of indicator and information needs
PDO 1.1: Growth of Regional Scholarship and Innovation Fund	The indicator measures the financial contributions by governments, private sector companies, foundations, donors, RSIF beneficiaries and other partner organizations to the General or Permanent Fund of the Regional Scholarship and Innovation Fund. Information will be available by retrieving annual financial statements of general fund and permanent fund from bank accounts.
PDO 1.2: Growth of regional scholarship and innovation fund (General fund)	The indicator measures the financial contributions by governments, private sector companies, foundations, donors, RSIF beneficiaries and other partner organizations to the General Fund of the Regional Scholarship and Innovation Fund. Information will be available by retrieving annual financial statements of general fund from bank accounts.
PDO 1.3: Growth of regional scholarship and innovation fund (Permanent fund)	The indicator measures the financial contributions by governments, private sector companies, foundations, donors, RSIF beneficiaries and other partner organizations to the Permanent Fund of the Regional Scholarship and

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[15] Two Cooperability Grants (Innovation Grants Type 2) which requires collaboration with private sector were approved by the PASET EB on May 29, 2020, the RCU has started formal contracting activities with successful grantees.

[16] Six RSIF Research Awards (Research Grants Type 1) to faculty of RSIF Host institutions were approved by the PASET EB on May 29, 2020, the RCU has initiated formal contracting activities with successful grantees

[17] The Call for Proposal for the award of research grants to RSIF Scholars (RSIF Junior Investigator Research Award) will be published in March 2021 on graduation of 1st cohort of scholars have graduated.

Indicator by DPO/Intermediate Result (IR)	Description of indicator and information needs
	Innovation Fund. Information will be available by retrieving annual financial statements of permanent fund from bank accounts.
PDO 1.4: Number of PhD scholars that have enrolled in RSIF PhD programs	Total number of scholars that have received RSIF scholarship and have been enrolled in RSIF PhD programs. Data is collected from RCU student enrolment data from RSFI host institutions.
PDO 1.4: Number of PhD scholars that have enrolled in RSIF PhD programs (female)	Number of female scholars that have received RSIF scholarships and have been enrolled in RSIF PhD programs. It is assumed that there will be a 25% growth of the total number of new scholars enrolled in Year 1 to 40% of new scholars enrolled in year 2 as a result of the RCU's effort to increase female participation in the RSIF programs.
PDO 2.1: No. of implemented networks between host universities and international partners for PhD training and research collaboration	MoUs are signed to develop networks between SSA host institutions and international partners (including other African institutions) on areas related to PhD training, research or innovation on topics related to Africa's development and transformation. Networks are made up of 4 institutions comprised of RSIF host institution, one African institution (could be another RSIF host institution) and two international partners, at least one from outside Africa.
PDO 2.2: No. of students/staff that take cross-cutting courses, entrepreneurship and/or research commercialization courses supported by the project	Students will take up and complete cross-cutting training courses/workshops or entrepreneurship and research commercialization courses designed with the help of RSIF support. Information of completion is collected from online course system and trainers directly.
PDO 2.3: No. of research papers submitted by staff members or scholars supported by the project for publication to internationally indexed journals	The number of research papers submitted by staff members/faculty or scholars supported by the project for publication to internationally indexed journals will be tracked annually using tracked by the RCU using the H-index.
PDO 2.4: No. of research papers submitted by staff members or scholars supported by the project for publication to internationally indexed journals (female authors or co-authors)	The indicator focuses on tracking number of research papers submitted by female staff members/faculty or scholars supported by the project for publication to internationally indexed journals. Like the previous indicator, this one will also be tracked annually using H-index.
IR 1.1: Permanent fund established	The RCU will legally establish a Permanent Fund as a legal entity with necessary bylaws, statutes, governance structure and an investment policy in place. The fund will be fully established once its ready to receive capital.
IR 1.2 PhD and research grants administration unit established	A unit to administer and manage the RSIF PhD scholarships and research grants will be established and made operational. This means, the unit will be staffed and equipped to carry out the activities related to the PhD scholarship and research grants programs.
IR 1.3: Number of RSIF host institutions	RSIF host institutions will be competitively selected and evaluated by an international independent evaluation committee for the RSIF, to serve as an RSIF host institution. Selected institutions will be required to sign agreements with the RCU Regional Coordination Unit (RCU).

Indicator by DPO/Intermediate Result (IR)	Description of indicator and information needs
IR 1.4: Number of partner institutions	Partner organization (international universities, research organizations, private sector companies) will be selected to partner with RSIF host institutions through a standardized selection protocol and will be required to sign agreements with the RSIF Regional Coordination Unit (RCU).
IR 1.5: Number of host institutions that start an international accreditation process at the PhD programme level or at the institutional level	Host institutions are required to hold international accreditation status, either at the RSIF PhD program level or at the university level. The indicator will consider those that have "started" as well as those that have completed. "Start" status means that the RSIF institution has identified an international accreditation agency, signed a contract with the agency and completed self-evaluation for the accreditation process.
IR 1.6: No. of host universities with an online application system in place	Host universities are required to have an operational online application system for application process wherein scholars can submit all details and documents required for admission through an online portal. "Operational" this regard means that the system has been tested and is ready to be launched to receive applications.
IR 1.7: No. of cross-cutting training courses/workshops for RSIF scholars and researchers	RSIF will facilitate several courses or workshops on cross-cutting, interdisciplinary topics that are designed and operational and can be taken by RSIF scholars and researchers.
IR 1.8 No. of scientific and technological journals and databases that can be accessed by RSIF scholars and researchers	RCU will facilitate access to scientific and technological journals, databases or publications for RSIF scholars, researchers and research innovation grantees.
IR 1.9: Innovation grants unit established	An operation innovation grants unit will be established at the RCU to administer and manage the innovation grants window of the RSIF. "Operational" in regard refers to the unit being staffed and equipped to carry out the activities of the innovation grants program
IR 1.10 : No. of firms that co-finance innovations grants	RSIF will encourage companies/firms (largely the private sector) to provide co-financing (including in-kind) for RSIF grants.
IR 1.11: Number of innovations grants awarded to RSIF host universities	RSIF will award innovation grants to RSIF host universities to undertake innovation research.
IR 1.12 Number of grants awarded to faculty of RSIF host institutions	RSIF will award innovation grants to faculty of RSIF institutions to undertake innovation research.
IR 2.1: Number of RSIF scholars who graduate from PhD programs	PhD scholars will be expected to progress through their graduate programs and graduate 3-4 years after enrolment. An annual dropout rate of 5% is assumed for this indicator.
IR 2.2: Number of RSIF scholars who graduate from PhD programs (female)	Female PhD scholars will be expected to progress through their graduate programs and graduate 3-4 years after enrolment. An annual dropout rate of 5% is assumed for this indicator.
IR 2.3: Number of research grants awarded to faculty of RSFI host institutions	RSIF will award research grants to faculty of RSIF host institutions through the pilot program using the IDA grant funds.
IR 2.4: Number of research grants awarded to RSIF scholars	RSIF will also award research grants to RSIF scholars.