5TH ACE IMPACT REGIONAL WORKSHOP
AND PROJECT STEERING COMMITTEE MEETING

PASET AND ENGAGEMENT WITH ACE IMPACT

Dr. Maïssa MBAYE, Leader of ACE-MITIC

About Gaston Berger University

- Established since 1990
- ~12000 students
- More than 300 permanent Researchers
- 250ha wide campus
UGB Facilities: Académic Campus

- Seven training Labs related to ICT and Applied Physics
- Library with 75000 books and online resources
- Incubator for student and research innovation
UGB Facilities Social Campus

- Campus Hosting 12,000 students
- Sport building and club
- Social activities
About ACE-MITIC

- World BANK supported project hosted at Gaston Berger University in Saint-Louis, Senegal.

- **Main Objectives**:
  - Contribute to the development of science, technology, engineering sciences and mathematics (STEM),
  - Human capital development through initial training (Master and Doctorate levels) and short term courses
  - Promote research towards the productive sectors in Senegal and Africa (agriculture, environment, health, digital economy).

- **Main training and research topics**:
  - ICT including Big Data and Artificial Intelligence, Cybersecurity and IoT (involved in PASET-RSIF Program)
  - Applied Mathematics (Mathematical modeling, statistics, theoretical mathematics)
  - Applied physics (Electronics, Telecommunication, Renewable Energy, Nanotechnologies, Environment and Climate Change)
PASET-RSIF at MITIC/UGB's

- Management team
  - National Représentative in PEB (PASET Executive Board)
  - FP at MITIC/UGB
  - Head of PhD Program
  - Supervisors
- Scholars
  - Cohort 1 : 2 (Ghana, Senegal)
  - Cohort 2 : 7 (Burkina FASO, Malawi, Benin, Senegal, Uganda)
  - Cohort 3 : 8 (Benin, Côte d'Ivoire, Kenya, Nigeria, Senegal)
PASET : UGB’s local Process of ranking

- National workshop including representatives of all CS Department of Senegal
- Main Criteria:
  - Excellence
- Challenges:
  - Differences between African English Speaking Systems and Francophone Systems
    - in Marking
    - in ranking
    - ...
PASET-RSIF support on engagement on impact

- Mindset: Training African people in Africa

- Regionalization
- PhD support
- Harmonisation
  - Best Practice Sharing
- Capacity building
- Partnership
  - (Continental and International)
PASET as support for regionalisation tool
PASET and the need of support for PhD in Africa

MITIC/UGB PhD Data for PASET

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<th>Cohorte 1</th>
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<td>Applicants</td>
<td>Scholars</td>
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Applicants | Scholars
---|---
123 | 2
202 | 7
199 | 8
PASET-RSIF as harmonization tool for PhD Quality in Africa

- Scoping Workshop in Nairobi in 2019
  - PhD Student’s role in subject design
  - Courses during PhD
  - Supervision team
  - Monitoring and evaluation
  - Accreditation interest
  - Publication requirement
Capacity building and regional and international partnership

- Intra-African collaboration
  - Grand writing workshop with a consortium of AHU
  - Support of PASET for research in AHU
- International collaboration
  - IPI: WPI, UPM6, Telecom SudParis, University of Japan
  - Intellectual property guide
- Other support
  - Access to research databases (Elsevier)
  - Visio conferencing facilities to strengthen
Research support for applied sciences

- **Research grants**
  - More experimental research activities
  - More protoyping oriented activities
- **Coperability grants**
  - Research results valorisation
Identified Challenges

- Academic calendars
- Mobility program management
- Female engagement
- Scaling up funds
- PhD recruitment in universities
- International accreditation of PhD programs
- La question de la langue
Thank you and Welcome to UGB