SENEGALESE HIGHER EDUCATION AND RESEARCH SYSTEM, AND PARTNERSHIP

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I. GOVERNANCE

- The Ministry of Higher Education, Research and Innovation (MESRI) provides the highest level of governance of the national system, with two technical Executive Directions: one for Higher Education (DGES) and another for Research and Innovation (DGRI).

- The other important body is the Quality Assurance (ANAQ-SUP): in charge of the elaboration of qualification and accreditation norms, standards of HEIs, and programs, norms and quality criteria; of the accreditation of private HEIs and of the training programs.

- In 2018, the missions of ANAQ-Sup have been extended to the evaluation and accreditation of doctoral schools, research and innovation, research centers and teams.
II . TRAINING OFFER

- **Fields**: Science (human and animal health), technology, law, politics and administration, economics and management, agronomy, education and training, humanities and society, literature, languages, culture and arts, and others.

- Internationalised LMD/BMD = promotes international students mobility.

- **ACCESS**: students are admitted to three types of institutions: open access institutions with direct entry, those recruiting through competitive examination and/or tests and private HEIs.

- **NATIONAL PRE-REGISTRATION PLATFORM**: www.campusen.sn
In the ECOWAS zone, Senegal has the oldest French-speaking university: Cheikh Anta Diop University in Dakar (the African School of Medicine, the first draft of higher education in French-speaking Africa, was created in 1918). It will be the basis of what will become the University of Dakar, created on 24 February 1957, and inaugurated in 1959.

Senegal currently has eight (8) public universities, one of which is virtual (Université virtuelle du Sénégal), three (3) Polytechnics, five (5) Higher Institutes of Professional Education (ISEP) and more than twenty other specialised universities.
Its creation is accompanied by a support measure for students who each have a free laptop and a connection key, thanks to the PGF-Sup programme financed by the World Bank (in 2018-2019).

The creation of Open Digital Spaces (ODS) offers flexibility to students, allowing them to access higher education without leaving their home regions, and facilitates their access to digital resources, equipment and computer tools necessary for the proper conduct of their educational activities.

Currently present in each of Senegal's 14 regional capitals, the programme will cover the country's 45 departments: One Department/One ODS.

Today, the SVU is the second largest public university in Senegal (behind UCAD) with 39,000 students, more than 300 associate teachers, more than 400 tutors and more than 300 monitors.
The ISEPs offer short vocational training courses (Bac+ 2), with alternating training aimed at meeting the needs of the labour market for skilled labour.
<table>
<thead>
<tr>
<th>HES</th>
<th>LICENCE</th>
<th>MASTER</th>
<th>DOCTORATE</th>
<th>TOTAL</th>
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<td></td>
<td></td>
<td>3080</td>
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<tr>
<td>UAM</td>
<td>242</td>
<td></td>
<td></td>
<td>242</td>
</tr>
<tr>
<td>ISEP</td>
<td>2164</td>
<td></td>
<td></td>
<td>2164</td>
</tr>
<tr>
<td>Total</td>
<td>117 286</td>
<td>23 614</td>
<td>8 130</td>
<td>149 030</td>
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</table>
PREPARATORY CLASSES
FOR HIGH SCHOOLS
PRIVATE HIGHER EDUCATION

The private system is essentially carried by the 248 private higher education institutions, of which 39 have permanent state approval, 193 have provisional approval and 54, in addition to being approved, have accreditation from the National Quality Assurance Authority.

Senegal is also home to inter-state institutions, including the École Inter-États des Sciences et Médecine Vétérinaires de Dakar, which brings together 15 African states that contribute to its budget; the École Supérieure Multinationale des Télécommunications de Dakar, created on the initiative of seven West African countries (Benin, Burkina Faso, Mali, Mauritania, Niger, Senegal, Togo, Guinea); and the Centre Africain d'Études Supérieures en Gestion (CESAG) under the supervision of the Central Bank of West African States (BCEAO) on behalf of the West African Economic and Monetary Union (WAMU).
RECHERCHE ET INNOVATION
Higher education and scientific research are also provided through World Bank-funded African Centres of Excellence (ACEs) in a few African countries (Cameroon, Malawi, Mozambique, Senegal, Tanzania, Zambia). These aim to support specialised education in Science, Technology, Engineering and Mathematics (STEM), agriculture and health, as well as to support research and development.

- CEA Children Mother Health (Santé Mère Enfant (SAMEF), housed at Cheikh Anta Diop University of Dakar (UCAD)
- CEA Mathematics, Computer Science and ICT (MITIC), housed at the Gaston Berger University (UGB).
- CEA Agir-Environment-Health
- African Centre of Excellence in Agriculture for Food and Nutritional Security (Agrisan)
<table>
<thead>
<tr>
<th>ETS</th>
<th>TOTAL PER</th>
<th>PT</th>
<th>PA</th>
<th>MCT</th>
<th>MCA</th>
<th>A</th>
<th>Masters</th>
<th>Doctorants</th>
<th>TOTAL M+D</th>
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<td>217</td>
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<td>317</td>
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<td>16289</td>
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<td>UGB</td>
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<td>61</td>
<td>104</td>
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<tr>
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<td>33</td>
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<td>5</td>
<td>3</td>
<td>16</td>
<td>8</td>
<td>7</td>
<td>151</td>
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<td>151</td>
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<tr>
<td>UVS</td>
<td>24</td>
<td>2</td>
<td>2</td>
<td>6</td>
<td>9</td>
<td>5</td>
<td>2393</td>
<td></td>
<td>2393</td>
</tr>
<tr>
<td>TOTAL</td>
<td>2116</td>
<td>287</td>
<td>351</td>
<td>759</td>
<td>544</td>
<td>175</td>
<td>25206</td>
<td>4108</td>
<td>29314</td>
</tr>
</tbody>
</table>

Full Professor (PT), Associate Professor (PA), Senior Lecturer (MCT), Associate Lecturer (MCA), Assistant Professor (A)
IV. RESEARCH

- **STRUCTURES**: Public universities, research centres, technology centres, centres of excellence (COE), incubators (or business incubators, business incubators)

- **GOVERNANCE**: Several ministries, bodies (advisory, decision-making, operational and/or coordination)
- 14 Doctoral Schools
- 2348 Teaching and Research staff
- 546 Researchers
- Remainder: Ministries; Employers; PTF; AUF; ARSN; INP; CODESIRIA; CEREEQ; CIS

- 538 Tflops supercomputer and training;
- 2 scanning and transmission electron microscopes;
- In progress: Lab equipment
**SENEGALESE SPACE PROGRAM**

**2022-2026**

1. Construction and launch into orbit, at the end of 2023, of the first Senegalese CubeSat (1U) by Senegalese engineers from April 2022 onwards, in training at the University Space Centre in Montpellier.

2. The establishment of a Senegalese Space Agency; African Space Agency of the AU (Headquarters: Cairo).


4. Establishment of a University Space Centre in Senegal (training, research and innovation).


**IMPACTS:** Agriculture, Environment, Health, Natural resources, Land use planning, Urban planning, Sanitation, Telecommunications, Education, Training.
After 5 days of training
Bleach
Soaps
Processing of agricultural products
Computer graphics
Printing on cups

- 5,000 people trained/year;
- Free of charge;
- All levels of education;
- City Councils;
- Staff: MESRI

AREAS
Processing and conservation of agricultural products;
Urban agriculture;
Soap and bleach production;
Information technology;
Screen printing;
Manufacturing of hand washing machines and gel dispensers;
Laser technology applied to crafts;
Renewable energy;
Poultry farming;
Cartooning;
Entrepreneurship and personal development.

Interconnection with:
Universities and ISEP Researchers
Populations (women and youth)
Local authorities
Private sector

23 RESEARCH AND TESTING CENTRES (RTC)

Interconnection with:
Universities and ISEP Researchers
Populations (women and youth)
Local authorities
Private sector

⇒ DER/FJ; ADPME; Family grants
V. FUNDING OF HIGHER EDUCATION

☐ In Senegal, the education sector (primary, middle, secondary and higher education) represents the largest budget in the overall state budget.

☐ Higher education represents more than 5.2% of the total budget. In addition, there are student registration fees, contributions from TFPs, notably the World Bank with the PGF-Sup, and small contributions from households.

☐ More than 60% is dedicated to social works and student grants. Problems of sustainability of public financing through the state subsidy pose a problem with the significant increase in the demand for training in higher education.
# PARTNERSHIP

<table>
<thead>
<tr>
<th>Partners</th>
<th>Areas of intervention</th>
<th>Types of intervention/Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOICA (don)</td>
<td>Dakar (Diamniadio)</td>
<td>Building an ISEP</td>
</tr>
<tr>
<td>Agence française de développement (AFD)</td>
<td>Bignona et Richard- Toll</td>
<td>Building 2 ISEP</td>
</tr>
<tr>
<td>Banque africaine de développement (BAD)</td>
<td>Guédiawaye-Thiës-Saint-Louis Ziguinchor - Dakar</td>
<td>Construction and equipment of Digital Open Spaces (DOS) and SVU headquarters</td>
</tr>
<tr>
<td>Banque publique D’investissement de France (BPI)</td>
<td>Dakar (Cité du Savoir)</td>
<td>Purchase of a Supercomputer</td>
</tr>
<tr>
<td>GIZ (Coopération allemande)</td>
<td>Thiès (EPT), Ziguinchor (UASZ), Saint-Louis (UGB), Dakar (UVS), Bambey (UAD)</td>
<td>Training in renewable energy (PESEREE MIER) Curriculum development for an ISEP Promotion of entrepreneurship</td>
</tr>
<tr>
<td>ICBC (Chine)</td>
<td>Fatick, Kaffrine</td>
<td>Lot 2 USSEIN</td>
</tr>
<tr>
<td>Coopération italienne</td>
<td>UCAD UGB</td>
<td>PAU</td>
</tr>
<tr>
<td>BOA</td>
<td>Dakar</td>
<td>UAM</td>
</tr>
<tr>
<td>Banque mondiale</td>
<td>MITIC/UGB CEA AGRISAN IMPACT UCAD</td>
<td>African Centers of Excellence</td>
</tr>
</tbody>
</table>
FRENCH-SENEGALESE CAMPUS (CFS)

- To enable Senegalese students (African and European) to access French and Senegalese diplomas while studying in Senegal

- To offer innovative training that meets the needs of socio-economic development

- Respond to the priority training and research needs identified by the SEP

- Guarantee employability and the best professional opportunities for our youth
### Evolution of training offers

<table>
<thead>
<tr>
<th>2019</th>
<th>2021-2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 formations</td>
<td>30 formations (18 additional training)</td>
</tr>
<tr>
<td>500 student places</td>
<td>1000 student places (500 additional places)</td>
</tr>
<tr>
<td></td>
<td>Incubators for research projects with partners</td>
</tr>
</tbody>
</table>

- Complementarity with public universities to fill unmet needs
- Financial exemption scheme allowing inclusive access for Senegalese students
ERASMUS PROGRAMS

- Erasmus mundus masters
- Erasmus+
THANK YOU