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

III. HIGHER EDUCATION MAP

- 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.

CHEIKH ANTA DIOP UNIVERSITY

GASTON BERGER UNIVERSITY

ASSANE SECK UNIVERSITY

IBA DER THIAM UNIVERSITY

ALIOUNE DIOP UNIVERSITY

SINE SALOUM ELAJ IBRAHIM NIASS UNIVERSITY

AMADU MAHTAR MBOW UNIVERSITY

VIRTUAL UNIVERSITY OF SENEGAL

POLYTECNIC HIGH SCHOOL OF THIES

HIGHER INSTITUTE OF PROFESSIONAL EDUCATION

UVS
UNIVERSITE VIRTUELLE DU SENEGAL
foo nekk foofu la

- 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).

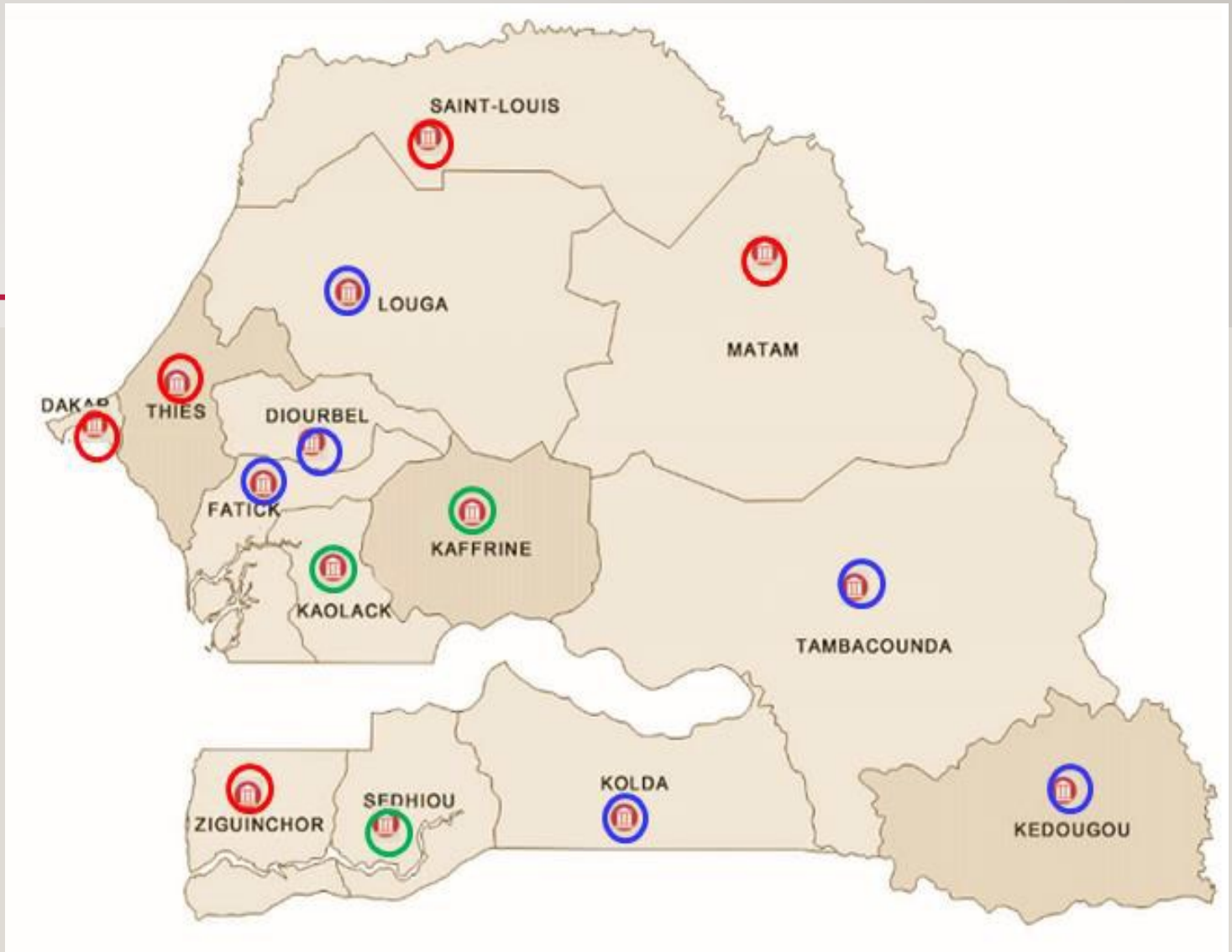
- The creation of Open Digital Spaces (ODS) offers flexibility to students, allowing them to access higher education without leaving their home regions, and facilitates their access to digital resources, equipment and computer tools necessary for the proper conduct of their educational activities.

- 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.

HIGHER INSTITUTE OF PROFESSIONAL EDUCATION

The ISEPs offer short vocational training courses (Bac+ 2), with alternating training aimed at meeting the needs of the labour market for skilled labour



HES	LICENCE	MASTER	DOCTORATE	TOTAL
UCAD	59 759	15783	6435	81977
UGB	8 283	2999	704	11986
UADB	5 792	1050	132	6974
UIDT	4274	1082	512	5868
UASZ	5 939	1057	328	7324
UVS	27547	1466	0	29013
EPT	206	177	19	402
USSEIN	3 080			3080
UAM	242			242
ISEP	2164			2164
Total	117 286	23 614	8 130	149 030

CPGE

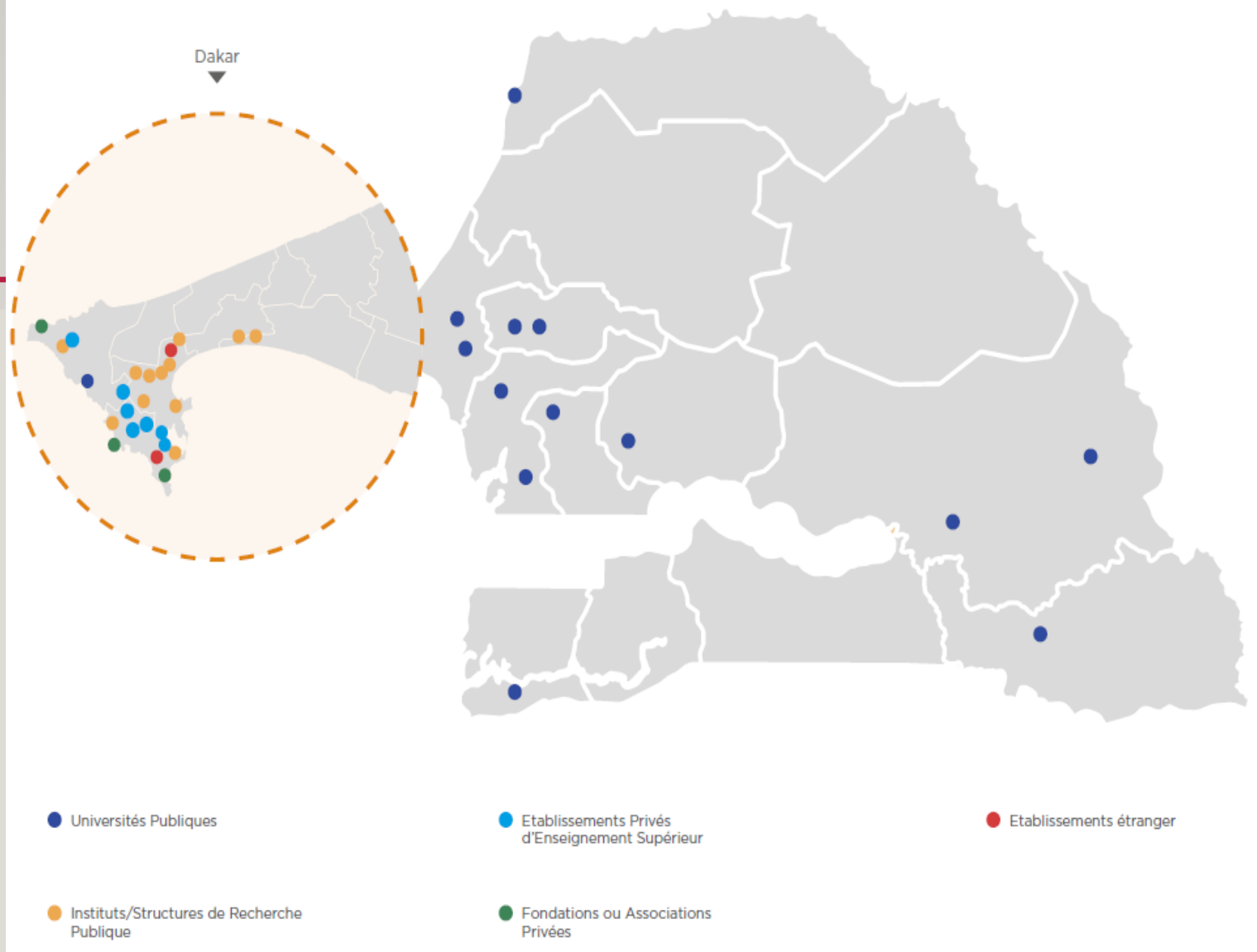
Classe Préparatoire

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).


Dakar
Universités Publiques
Etablissements Privés d'Enseignement Supérieur
Etablissements étranger
Instituts/Structures de Recherche Publique
Fondations ou Associations Privées

AFRICAN CENTRES OF EXCELLENCE (AEC)

- 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)

ETS	TOTAL PER	PT	PA	MCT	MCA	A	Masters	Doctorants	TOTAL M+D
UCAD	1335	222	217	487	317	92	16289	3094	19383
UGB	306	30	61	104	79	32	3412	423	3835
UASZ	162	10	22	59	69	2	928	230	1158
UIDT	141	16	34	36	29	26	1031	268	1299
UADB	109	2	12	51	33	11	1002	93	1095
EPT	39	5	3	16	8	7	151		151
UVS	24	2	2	6	9	5	2393		2393
TOTAL	2116	287	351	759	544	175	25206	4108	29314

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**

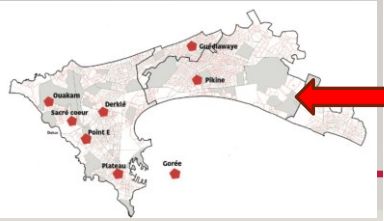
SENEGALESE SPACE PROGRAM

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)
3. Construction of the Satellite Manufacturing, Assembly and Testing Centre in Diamniadio
4. Establishment of a University Space Centre in Senegal (training, research and innovation)
5. Construction of a 2nd CubeSat (6U): 2024.
6. Construction of the 3rd CubeSat (12U): 2026

IMPACTS: **Agriculture, Environment, Health, Natural resources, Land use planning, Urban planning, Sanitation, Telecommunications, Education, Training**

23 RESEARCH AND TESTING CENTRES (RTC)



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

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

After 5 days of training
Bleach
Soaps
Processing of agricultural products
Computer graphics
Printing on cups

→ DER/FJ; ADPME; Family grants

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.

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

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

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		
2019		2021-2022
12 formations	→	30 formations (18 additional training)
500 student places	→	1000 student places (500 additional places)
	→	Incubators for research projects with partners

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

IMPACTS UNIVERSITÉS DU SÉNÉGAL DEPUIS ..1917

++ DIASPORA

Haïti
Guyane
Antilles

1. Bénin
2. Burkina
3. Burundi
4. Cameroun
5. Central Afr.
6. Comores
7. Congo
8. Congo, DR
9. Cote d'Ivoire
10. Djibouti
11. France
12. Gabon
13. Gambie
14. Guinée
15. Haïti
16. Mali
17. Mauritanie
18. Maroc
19. Niger
20. Rwanda
21. Sénégal
22. Tchad
23. Togo
24. Tunisie

Formations & Échanges actuels : > 50 Nationalités.

❑ERASMUS PROGRAMS

- Erasmus mundus masters
- Erasmus+

THANK YOU