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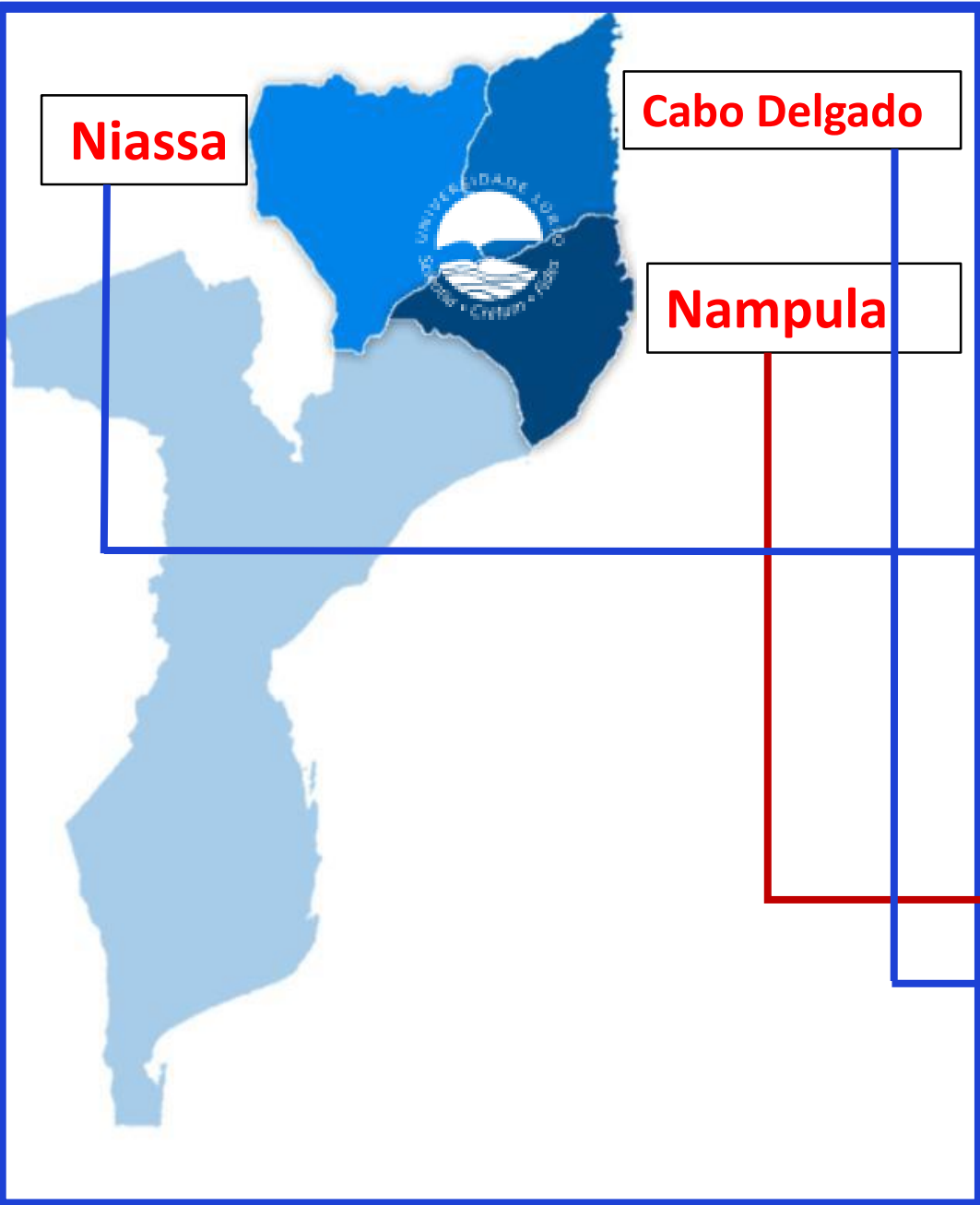


Climate Change Induced Disaster Management in Africa (CIDMA)

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Lurio University presentation

30th -31st January, 2020



General Overview

- Public university established in 2006;
- In its structure has three Poles with 4 campus and 7 separated faculties, namely:

Nampula province

Nampula city

- Faculty of health science
- Faculty of architecture
- Unilurio business school

Mozambique Island

- Faculty of Social and Human Science

Niassa Province

- Faculty of agriculture

Cabo Delgado Province

- Faculty of engineering
- Faculty of natural science

Mission

Educate a new generation of competent professionals committed to development, science and the well-being of local communities

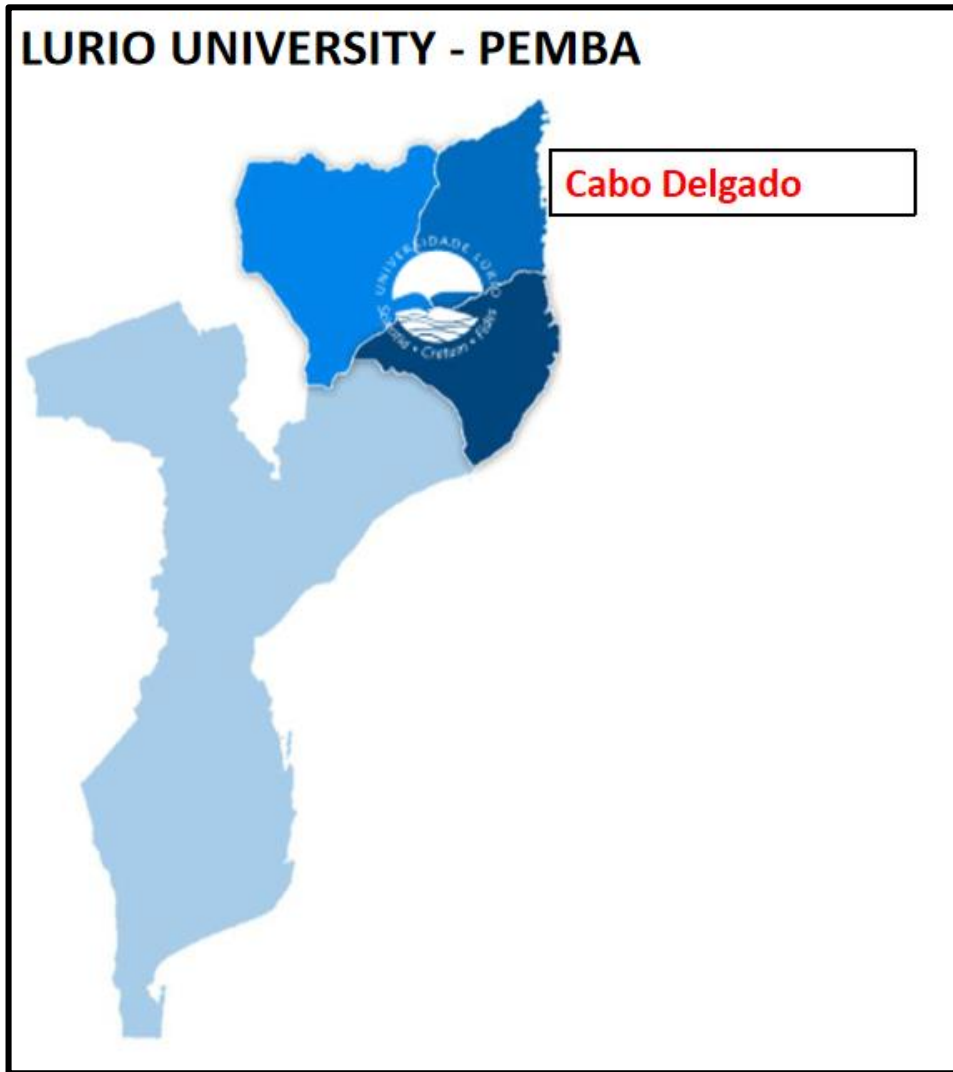
Vision

provide higher education of excellence, quality, competitiveness and international recognition.



UniLúrio offers degree programs in 35 major subjects, enrolling 5.130 total students (2019), including both undergraduate and graduate students. The university is aiming to reach 80% of its faculty lecturers having a master's degree or higher, and its deal is to have 70% of the lecturers with master's degree and 30% with doctorates

THE CIDMA PROJECT WILL BE RUN IN PEMBA



- Created in 2008 as FECN
- Split into two Faculties in 2014
 - FE - Faculty of Engineering

– FCN - Faculty of Natural Science

CIDMA PROJECT



Faculty of Natural Sciences (FCN)

- 52 employees
 - 15 Administrators –
Janitors (CTA)
 - 37 Lecturers
- Courses
 - Bachelor Degree
 - Biological Sciences
 - Master's degree
 - Ecology
 - Socially responsible
Corporate Management

Lecturers

PhD	1
MSc	19
Bachelor Degree	17
Total	37

Students

Female	109
Male	163
Total	272

Faculty of Engineering

Geology



Civil



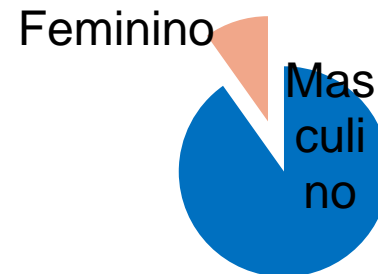
Mechanical



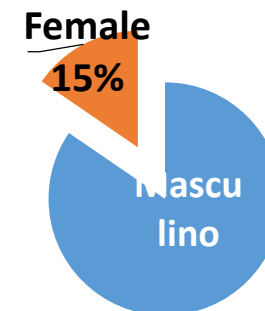
Computer Engineering



PhD	1
MSc	15
Degree	46
Total	61



Degree	F	M	Total
Computer Engineering	14	96	110
Civil	16	115	131
Mechanical	10	98	108
Geology	29	74	103



Desired Skills for Engineering graduates

- **Hydrocarbon exploration**
- **Geological & Mineral exploration**
- **Hydrogeology**
- **Geotechnical and foundation engineering**
- **Hydrology and water resources management**
- **Steel and reinforced concrete structures**
- **Design of small dams**
- **Software Engineering**
- **Database administration**
- **Computer Networking**
- **Renewable energy**
- **Automation**
- **Industrial Maintenance**
- **Steel structures**
- **Fluid mechanics**
- **Factory processing design**

Faculty of Engineering & Faculty of Natural Science

- **Needs**
 - **Computer lab**
 - **Qualified professionals in climate change and disaster management**
 - **Improve networking communication & infrastructures**
 - **Qualified professionals with field experience**
 - **Labs equipment**

Challenges and Opportunities

Limitations

- Research laboratories
- Limited staff with lab experience
- Appropriate conditions for Collections' Rooms
- Lack of lecturers with PhDs
- Technical training on first aid

Opportunities

- Local and international partners working in different areas of interest
- Engaged and motivated young researchers

Technical Course

- **Civil**
 - CAD
 - Structural Modelling
 - Water Supply modelling
- **Computer Engineering**
 - Data Science and Analytics (R, MatLab, python, Excel)
 - NLP (Natural Language Processing)
 - Machine Learning
- **Geology**
 - GIS
- **Mechanic**
 - HST
 - CAD
 - Renewable Energy

Thank You