



MOHAMMED VI
POLYTECHNIC
UNIVERSITY

**EMPOWER TALENTS
EMPOWER AFRICA**



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Our engagement

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Mohammed VI Polytechnic University

“ Because knowledge and research are driving forces for progress, OCP has designed an academic institution where knowledge creation generates innovation. ”

M.MOSTAFA TERRAB

Economy

Morocco's UM6P Raises Nearly \$1 Billion Funds from OCP Foundation

UM6P is set to use the funds to finance its ambitious projects across its campuses in Morocco.

Jihane Rahhou Apr. 01, 2023 5:47 p.m.

SCIENTIFIC RESEARCH, A LEVER FOR AFRICA'S DEVELOPMENT



UM6P IN NUMBERS 2022-2023

*Estimated on January 4th, 2023

4.395
Total number
of students



54%
Female
students



46%
Male
students

29
Nationalities

85
Exchange
students

34
Programs

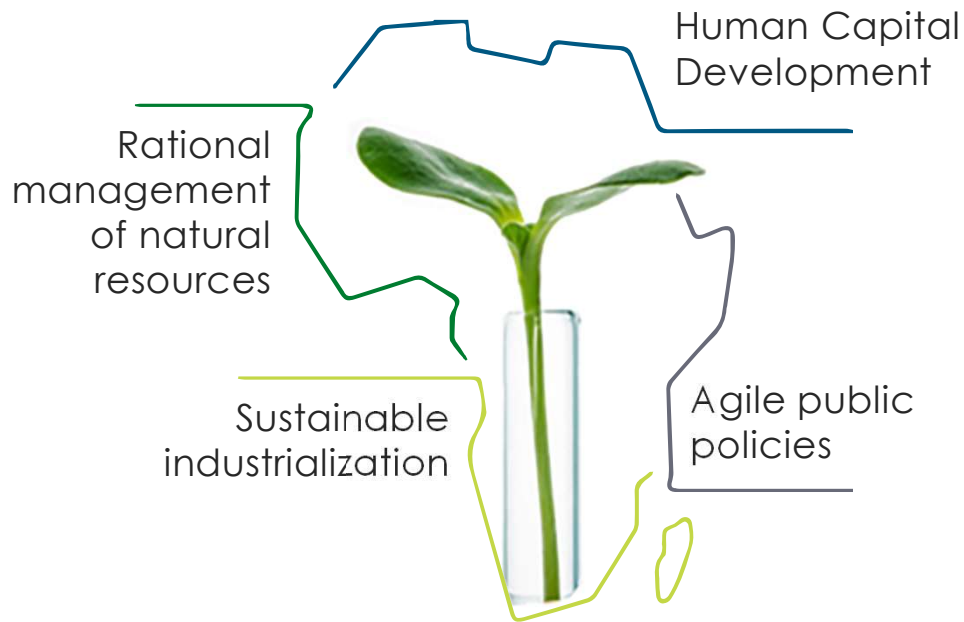
RESEARCH AND INNOVATION FOR AFRICA'S SUSTAINABLE DEVELOPMENT



Research topics



African challenges



-  Water, Agriculture & Environment
-  Natural Resources & Food Security
-  Renewable Energy
-  Industrial & Chemical Engineering
-  Biotechnology & Biomedical Engineering
-  Architecture, Urban Planning & Land Use
-  Geology and Sustainable mining
-  Agricultural Economics & Development
-  Chemical and Bio-chemical / Green Process Engineering
-  Complex system engineering and Human Sciences
-  Behavioral Sciences
-  Modeling, Data Sciences & Artificial Intelligence
-  Medical Application Interface
-  Industrial Economy and emerging Africa

THEMATIC SITES TO RESPOND TO TERRITORIAL CHALLENGES



BENGUERIR

The UM6P Central Campus dedicated to applied research and the teaching of exact sciences.



RABAT

Rabat hosts UM6P of Governance, Economics, Social Sciences Faculty, in addition to Ai Rearch Center and Africa Business School.



CASABLANCA

In order to ensure proximity to the business world, UM6P will soon settle a platform of innovation and a Startup ecosystem in Casablanca.



LAÂYOUNE

In Laâyoune,, ASARI "African Sustainable Agriculture Research Institute" is the first component of UM6P Campus, to tackle the agricultural challenges of Morocco and Africa.



MAZAGAN

A new urban and university hub to host a research center in the fields of chemistry, and a start-up incubation platform.



K HOURIBGA / TETOUANE / YOUSOUFIA / SAFI

The 1337 and YouCode specialized computer coding schools have opened in several cities. In Tetouane, in collaboration with the F.TMSA.



UM6P France

UM6P is opening its first international Branch in Paris, focusing on Research activities, Executive Education and Entrepreneurship ecosystem.

EXCHANGE PROGRAMS AND PARTNERSHIP ACROSS THE WORLD

United States, Austria, France, Switzerland, Canada, China, Brazil, Malaysia, Germany, Spain, Australia, Finland, United Kingdom, Netherlands and Ivory Coast.



Mohammed VI Polytechnic University (UM6P) has forged a variety of partnerships and links in Morocco and around the world with higher education institutions, research centers, organizations and businesses, among others. These collaborations are based on the following principles: the dissemination of best practices, excellence and mutual benefits, and target collaboration in research, education, innovation and entrepreneurship in all areas of intervention.

As a young institution of higher education and research, in a world characterized by rapid and dynamic growth, UM6P sees these partnerships as a great opportunity to meet the needs of its ecosystem and to accelerate its contribution to national development plans. UM6P continues to create meaningful links that align with its development goals and aspirations at local, regional and international levels.



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Excellence in Africa Initiative

Mohammed VI Polytechnic University (UM6P) in Morocco and the École polytechnique fédérale de Lausanne (EPFL) in Switzerland have jointly launched the Excellence in Africa (EXAF) initiative to support the training of professors and doctoral candidates in Africa.



About Education Research Innovation Schools Campus

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Excellence in Africa EXAF

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Excellence in Africa

is an EPFL research centre whose DNA is digital and excellence in research, training and innovation



LIVING LABS : REAL-SCALE EXPERIMENTATION PLATFORMS



EXPERIMENTAL
FARMS



EXPERIMENTAL
MINES



GREEN ENERGY
PARK



FAB LAB



PÔLE URBAIN
DE MAZAGAN



ART LAB



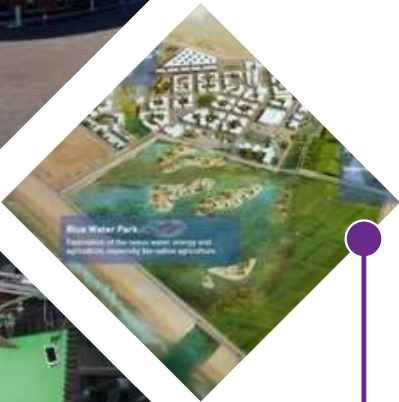
CHEMICAL HUB
DE SAFI



DIGITAL
LEARNING LAB



DATA CENTER



TECHNOPOLE
FOUM EL OUED

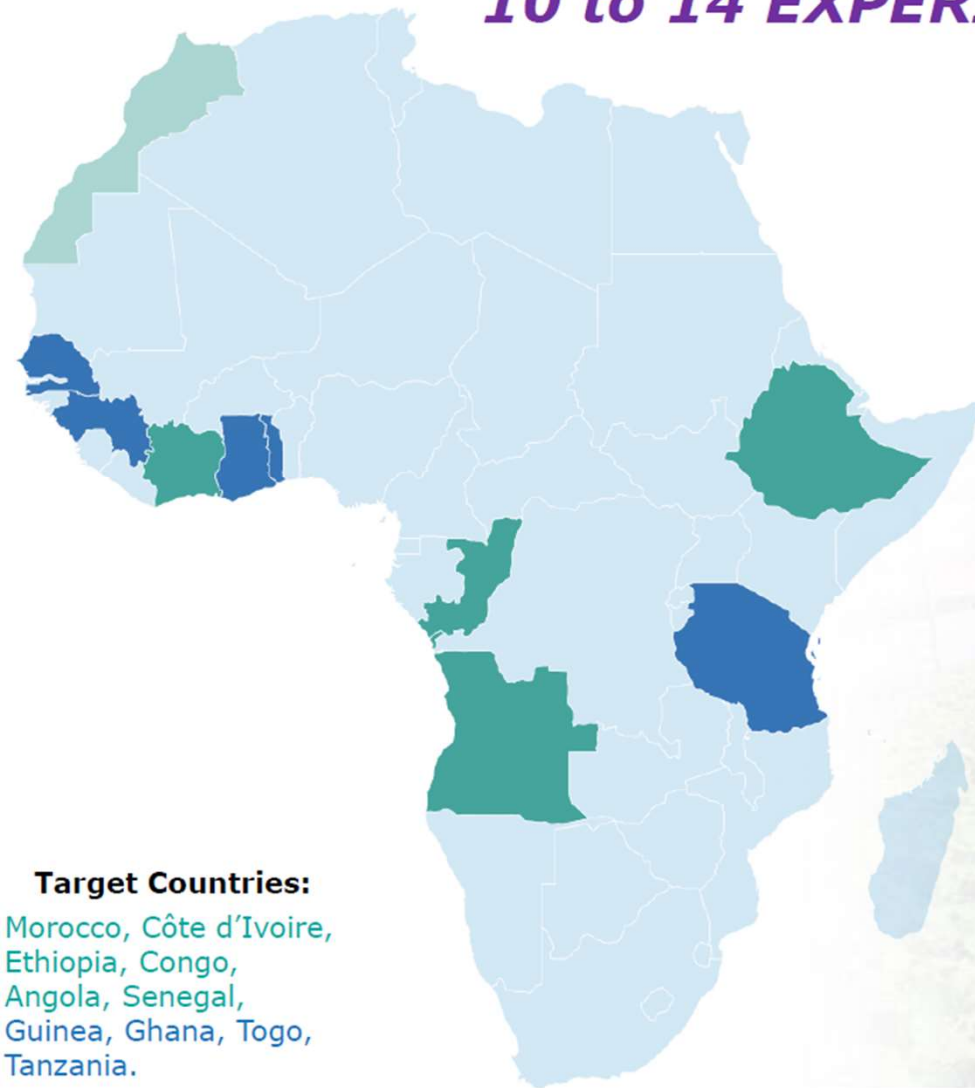
LIVING LABS THE DATA CENTER



- Surface area of 2.000m² of rooms dedicated to IT equipment
- 5MW of electrical capacity to power nearly 800 computer cabinets
- Tier III and Tier IV certification by the Ultimate Institute
- Africa's most powerful supercomputer
- New digital 100% Moroccan services
- Tens of thousands of servers
- World class facility
- High security
- Maximum availability
- High flexibility and optimal connectivity

Translating Science to Practice @ UM6P

10 to 14 EXPERIMENTAL FARMS THROUGHOUT AFRICA



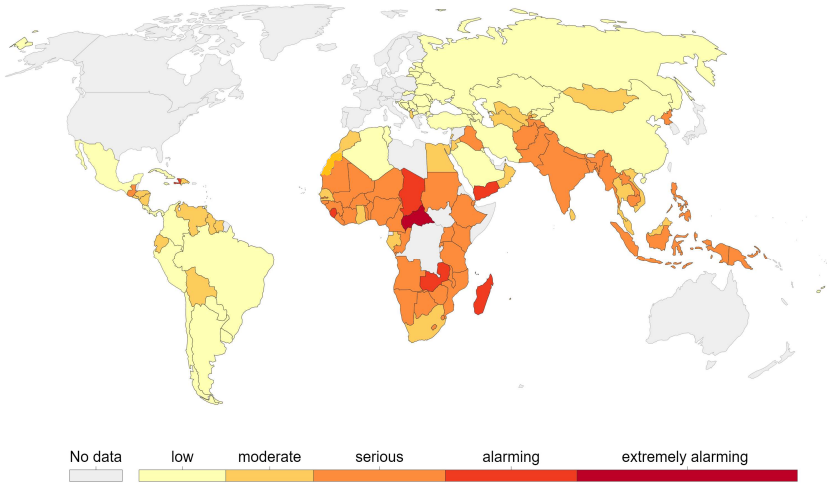
Target Countries:

Morocco, Côte d'Ivoire,
Ethiopia, Congo,
Angola, Senegal,
Guinea, Ghana, Togo,
Tanzania.

- 
- A photograph of a farmer wearing a blue jacket and a cap, working in a field. The farmer is bent over, tending to a row of plants. In the background, there is a large, covered structure, possibly a greenhouse or a covered walkway.
- 1. Agricultural system development**
 - 2. Species conservation and introduction**
 - 3. Best management practices**
 - 4. Rehabilitation**
 - 5. Small mechanization and digital farming**

Global Hunger Index, 2018

The index score comprises of four key hunger indicators: prevalence of undernourishment; childhood wasting; childhood stunting; and child mortality. It's measured on a 100-point scale where 0 is the best score (no hunger) and 100 the worst. A score ≥ 50 is defined as 'extremely alarming'; 35-50 as 'alarming'; 20-35 as 'serious'; 10-20 as 'moderate' and under 10 as 'low'.

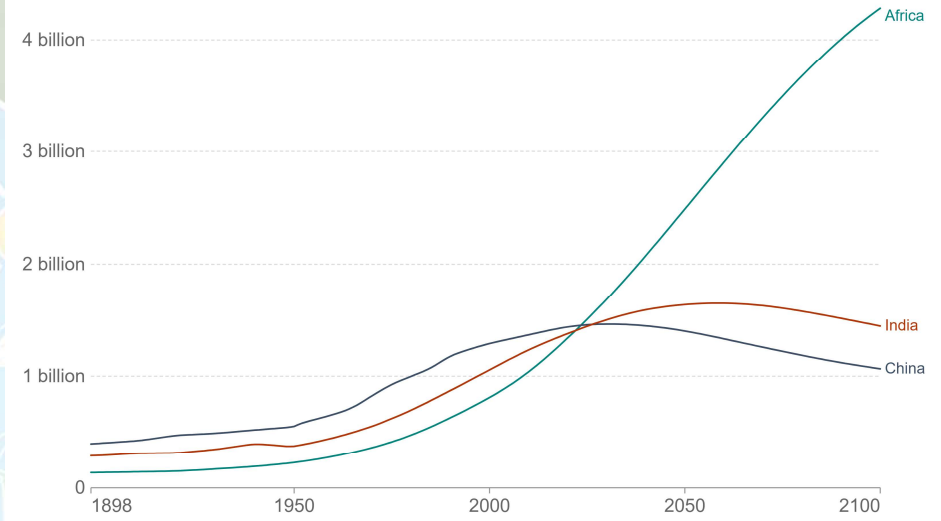


Our World in Data

Population, 1898 to 2100

Historical estimates of population, combined with the projected population to 2100 based on the UN's medium variant scenario.

Our World in Data



15/09/22

Africa's food imports bill 'could double by 2030'



The New York Times



Loss of Fertile Land Fuels 'Looming Crisis' Across Africa

Climate change, soil degradation and rising wealth are shrinking the amount of usable land in Africa. But the number of people who need it is rising fast.



Policy Study | Advisory Group on R&I for Africa-Europe Cooperation

Recommendations on how to make R&I a driver for sustainable development in AU-EU relations

Policy Study
Advisory Group on R&I for Africa-Europe Cooperation

5. THE GREEN TRANSITION IN AFRICA

By Prof Daniel Nahon and Prof Leonardus Vergütz

<https://op.europa.eu/s/w66A>

A blue-tinted background image featuring a close-up of a person's face, likely a student or faculty member. Overlaid on the face is a white, grid-like pattern that appears to be a stylized representation of a network or data structure. The grid is composed of small squares and lines, creating a sense of depth and connectivity.

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