

Royaume du Maroc
Ministère de l'Enseignement Supérieur,
de la Recherche Scientifique
et de l'Innovation



المملكة المغربية
وزارة التعليم العالي
والبحث العلمي والابتكار

Dialogue 5+5 for Research, Innovation and Higher Education
Action A7: “Blended learning for increasing youth opportunities”

Blended learning in Moroccan Universities: Achievements and Future Challenges

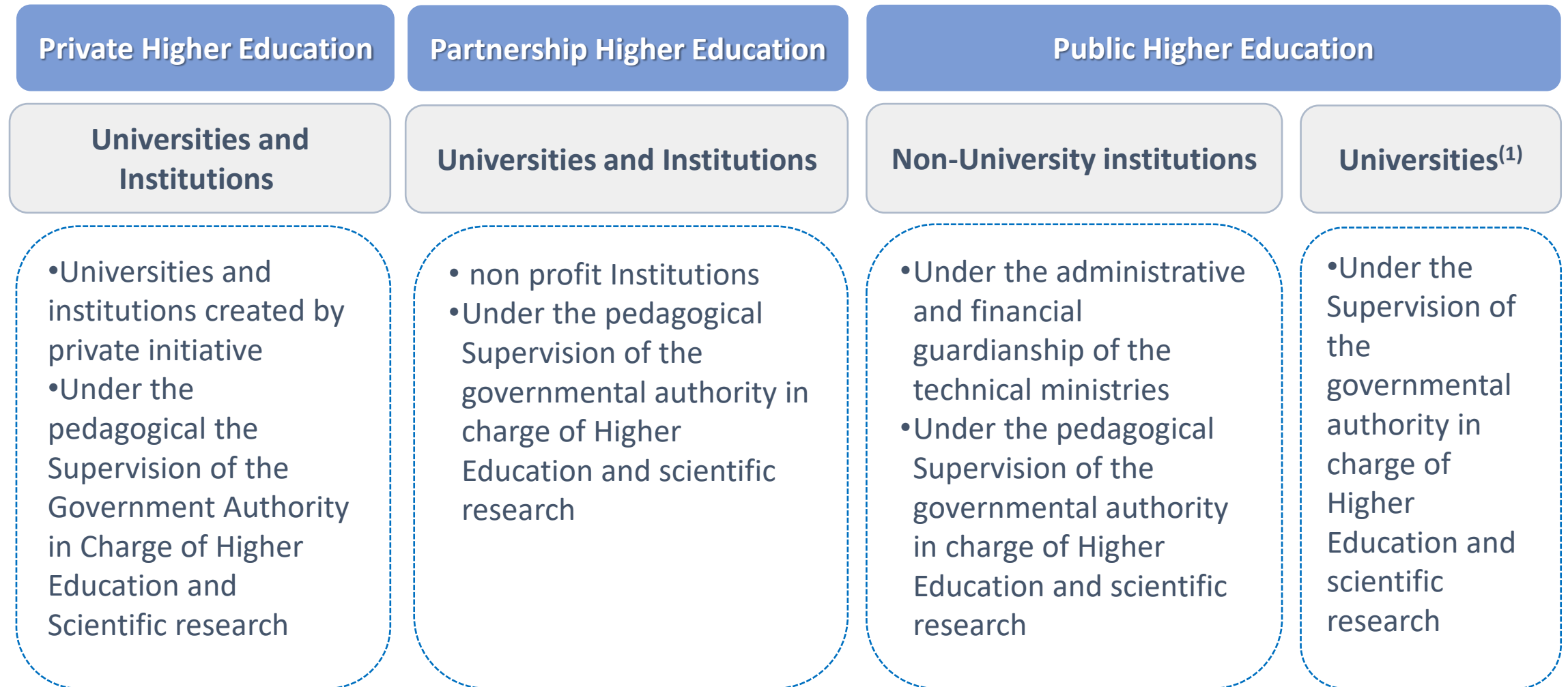
November 11, 2021

Presentation plan

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3	E-learning in the pedagogical reform
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1- The Moroccan System of Higher Education

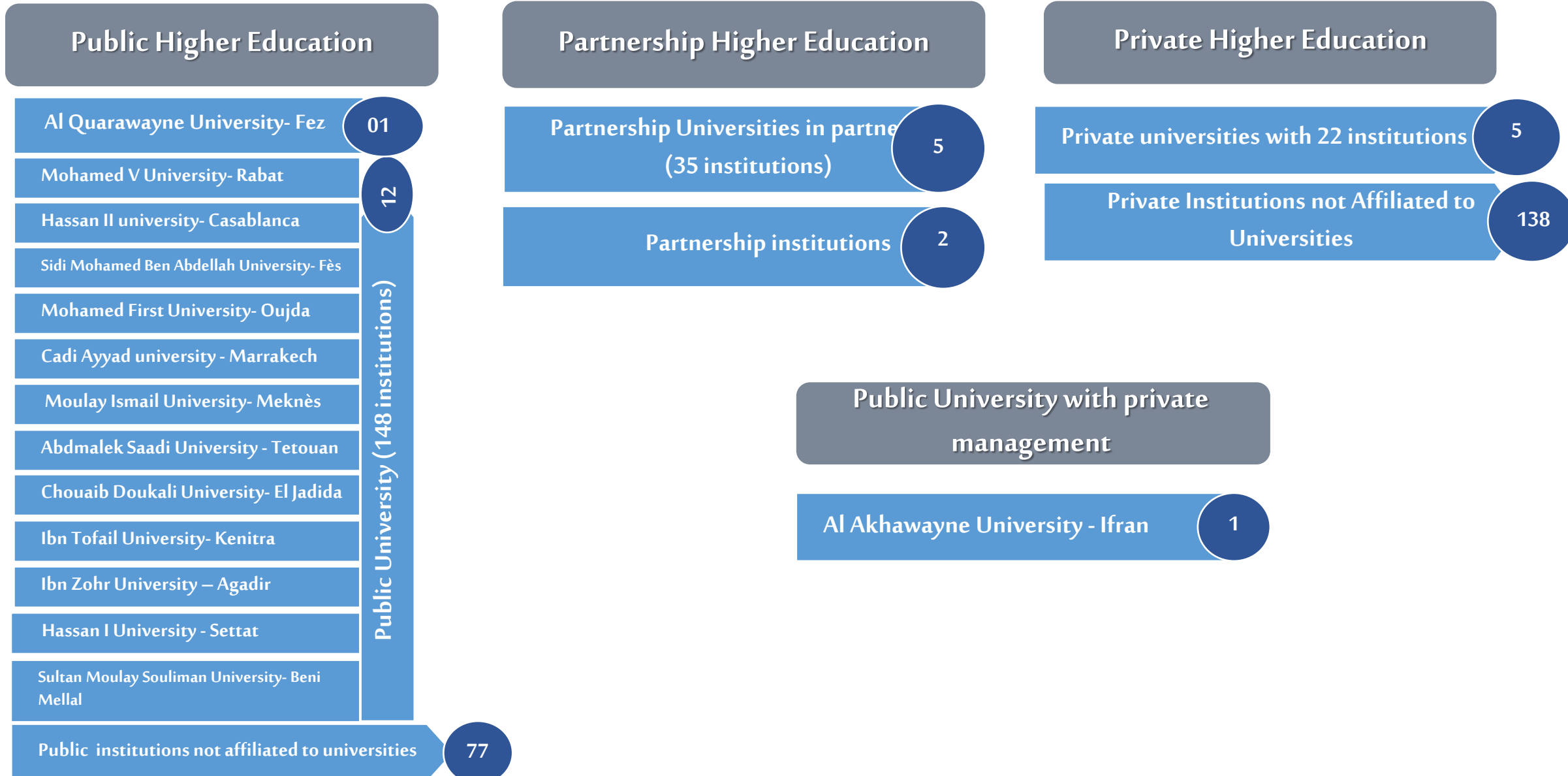
Components of the system of Higher Education in Morocco



⁽¹⁾ : Except Al-Qarawiyyin University, which is under the Supervision of the Ministry of Awqaf and Islamic Affairs, and Al-Akhawayn University in Ifrane, which is a public university having a private management.

1- The Moroccan System of Higher Education

Statistics of Academic Year (2020-2021)



1- The Moroccan System of Higher Education

Statistical figures (Academic Year : 2020-2021)

Student Enrollment

Global	New enrollments	Graduates
1 085 252	295 601	151 443
91,2 %	93,1 %	83,7 %
3,5 %	2,2 %	8,4 %
5,3 %	4,7 %	7,9 %

□ The number of students per 100,000 citizen in Morocco was 3,500 students (Academic year 2020-2021)

Public Higher Education

Public Institutions not affiliated to universities

Private/ Partnership Higher Education

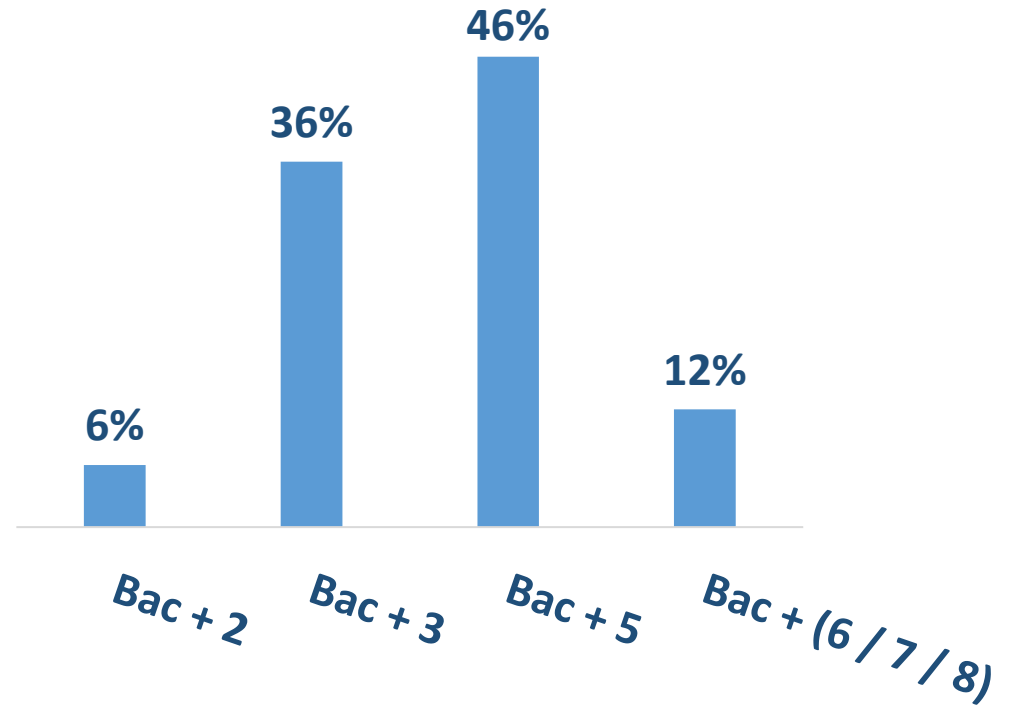
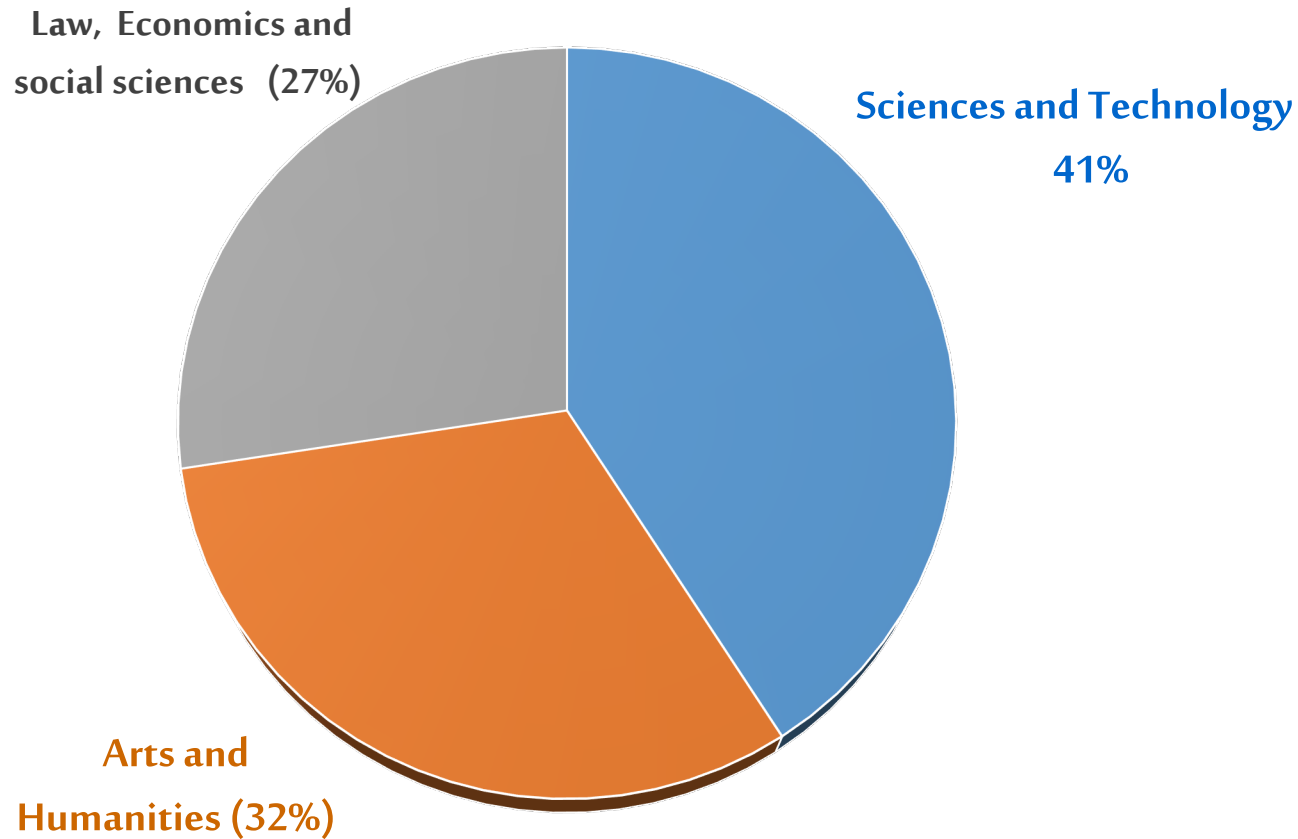
1- The Moroccan System of Higher Education

Moroccan Higher Education Diploma levels

Diplomas	Diploma Level
University Diploma of Technology (DUT)	High School Diploma + 2 years
Bachelor degree in fundamental studies (LEF)	High School Diploma + 3 years
Professional Bachelor Degree	
Bachelor Degree in Sciences and Technology (LST)	
Bachelor degree in Education	
Masters	High School Diploma + 5 years
Specialized Masters	
Masters of Sciences and Technology	
Engineering Degree	
ENCG Degree (Business Degree)	
Degree in Translation	
Doctorate in Medicine / Doctorate in Dental Medicine / Doctorate in Pharmacy	High School Diploma + 6 or 7 years
PhD	High School Diploma + 8 years

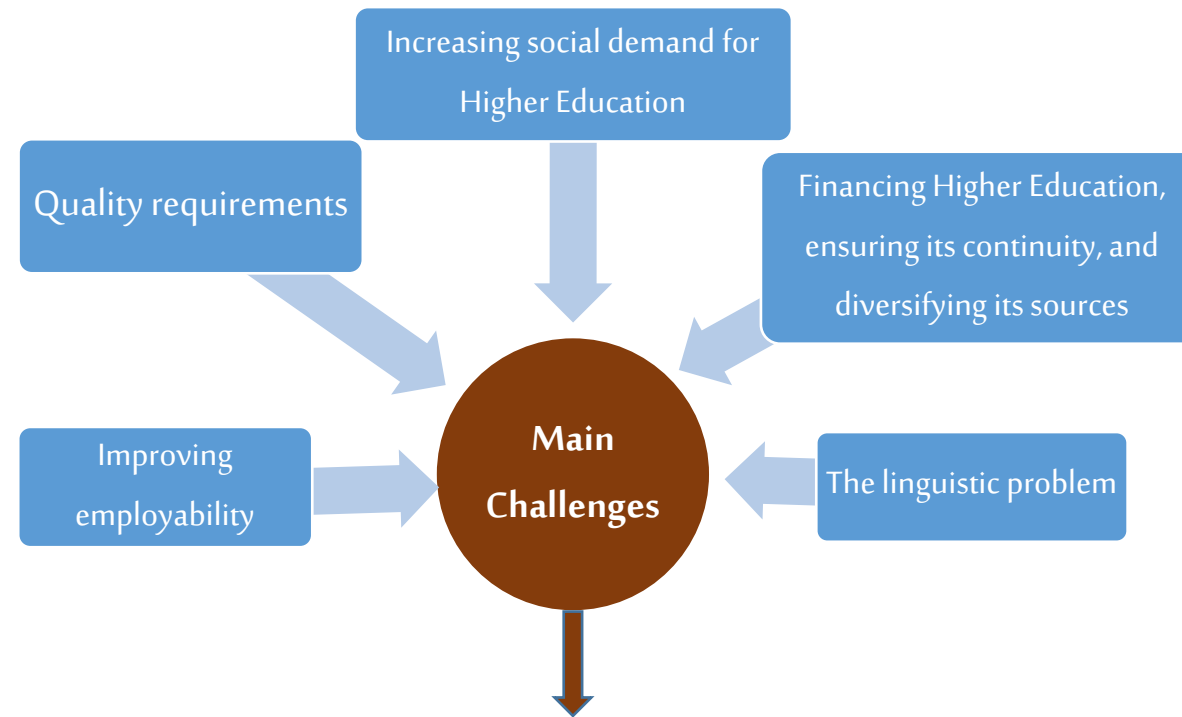
1- The Moroccan System of Higher Education

2 814 programs are accredited in public Higher Education Institutions
53% of these programs are professional programs



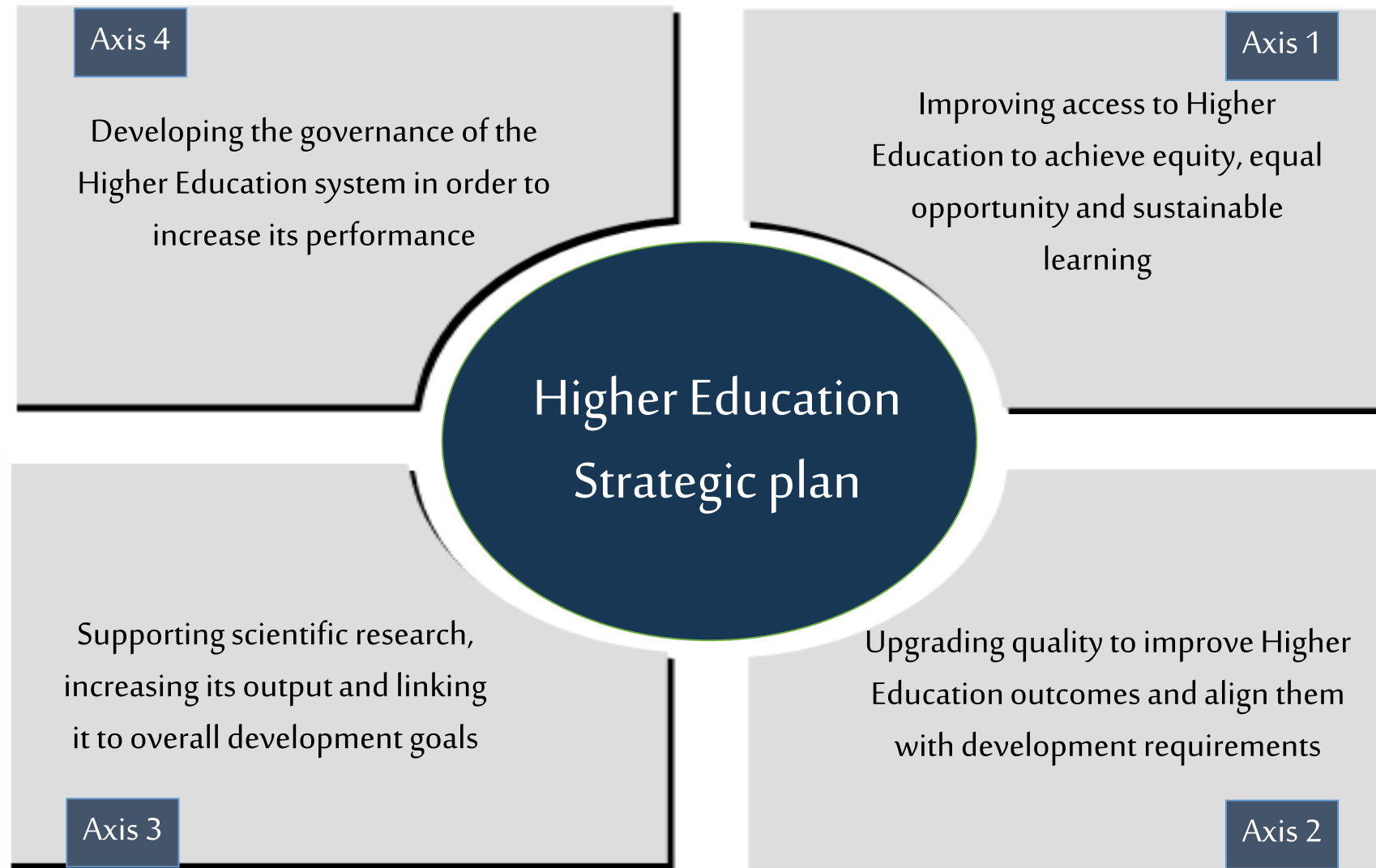
Challenges facing Moroccan Higher Education

- Moroccan Higher Education and Scientific Research face important challenges that require new approaches
- The main challenges are



E-learning is one of the effective means to meet these challenges.

Strategic Plan for the Higher Education and Scientific Research Sector 2015-2030



Project for fostering the use of IT in Higher Education

❑ Objectives

- ✓ Promote the use of information technology in Higher Education
- ✓ Develop E-learning to improve access to Higher Education

❑ Implementation measures

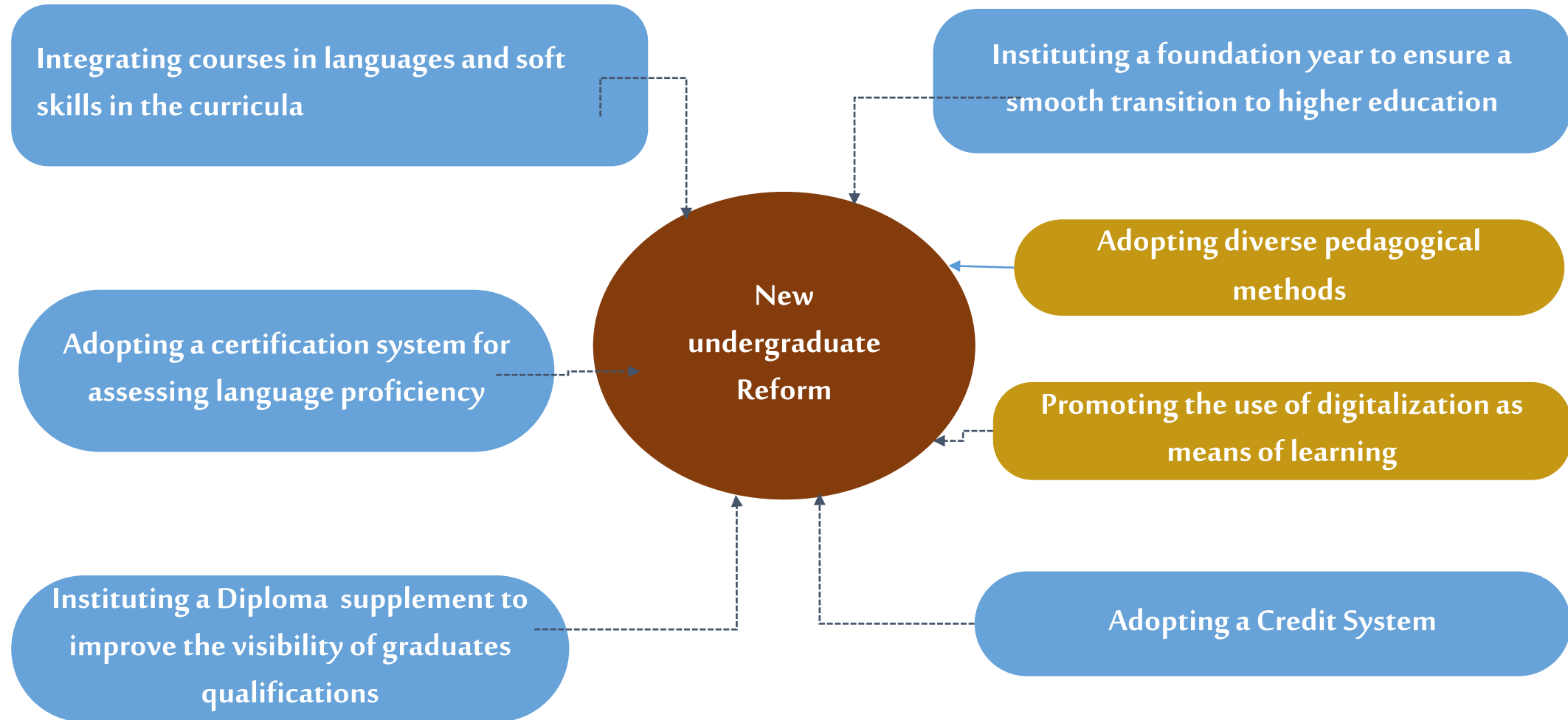
- ✓ Enacting regulatory and legal texts for E-learning;
- ✓ Strengthening IT infrastructures;
- ✓ Providing access devices and technologies to students and professors;
- ✓ Building technical and pedagogical capacities in e-learning;
- ✓ Preparing and developing digital pedagogical contents;
- ✓ Establishing an integrated system for E-learning.

E-learning in the 2014 Pedagogical Reform

- ❑ E-learning in Moroccan University was introduced in **the pedagogical reform that was adopted in 2014**: The national pedagogical standards allowed for **the possibility for teaching parts of the courses online**;
- ❑ Universities engaged in numerous **bilateral and multilateral international cooperation projects and programs** (Erasmus +, ...) in order to:
 - ❖ Develop E-learning through the productions of digital pedagogical resources
 - ❖ Build digital platforms for E-learning

3- E-learning in the pedagogical reform

- A new reform will be gradually adopted in undergraduate education starting the current academic year
- This system further fosters the use of blended learning



3- E-learning in the pedagogical reform

- **The New Undergraduate National Pedagogical standards allow for blended learning;**
- **Universities currently have many digital technologies and platforms that can be used for this purpose;**
- **Universities have produced numerous audio-visual and digital pedagogical resources that can be used in the undergraduate programs;**
- **Higher Education institutions are encouraged to prepare digital pedagogical resources for the foundation year disciplinary courses;**

Teaching languages and soft skills-

- ❑ **This new system encourages students to engage in self-training to improve their language skills:**
 - 1/3 of the course time will be dedicated to face-to-face interaction with professors specialized in languages;
 - 2/3 of the course time will be devoted to self-training via digital platforms chosen by the universities (**Rosetta Stone, Altissia**)

- ❑ **Soft Skills development :**
 - 1/3 of the time will be allocated to face-to-face interaction with professors and professionals from the business world;
 - 2/3 of the time will be devoted to self-training using digital platforms prepared for this purpose;
 - Staff from the universities **Career Centers** will contribute to face-to-face training through lectures and workshops organized by these centers.

4- The legal framework for E-learning in Morocco

Framework Law No. 51.17 governing education, training and scientific research system Approved in August, 2019)

The law stipulates that the government should take all necessary and appropriate measures to enable education, training and scientific research institutions in the public and private sectors to develop resources and media for teaching, learning and research. Especially through the following mechanisms:

- ✓ Promote integration of ICT to improve learning quality and effectiveness;
- ✓ Establish innovation laboratories to produce digital resources, and training specialists in this field;
- ✓ Develop E-learning, as a complement to face-to-face learning (**Blended learning**);
- ✓ Diversify training and support methods that are complementary to in school education;
- ✓ Gradually integrate e-learning with the aim of its generalization.

4- The legal framework for E-learning in Morocco

Decree 2.20.474 related to E-learning (enacted in August, 2021) defines the conditions and modalities of E-learning for the benefit of learners in the public and private institutions

The decree provides for especially for the following:

- **Defines what is meant by E-learning and its types;**
- **Identifies the public and private entities concerned with providing E-learning;**
- **Determines the conditions, standards and how to provide E-learning;**
- **Determines the procedures related to the development of resources and media for E-learning;**
- **Defines the rights and duties associated with E-learning for learners, educators as well as administrative and technical staff;**
- **Requires that professors as well as administrative and technical staff undergo special training in the field of E-learning;**
- **Requires the creation of a national committee and regional committees to monitor, develop and assess E-learning.**

5- The MUN digital platform to house MOOCS and SPOCS developed by Moroccan Professors

The Moroccan Digital Platform MUN was developed through a cooperation agreement with the French Group of Public Interest (GIP FUN-MOOC)

Steps that led to the development of MUN

- **A call for proposals of MOOCS and SPOCS was launched and many proposals were received; among these 50 projects were selected (this confirmed the interest of Moroccan universities in developing online education);**
- **July 12, 2019: The Moroccan digital university platform (MUN) was officially launched**
- **Support to professors:**
 - ✓ **Training sessions in E-learning were organized for the benefit of the professors that submitted the projects;**
 - ✓ **National encounters were held during the years 2015, 2016, 2017, and 2019 in partnership with the French Embassy to promote E-learning in Moroccan Higher Education.**

6- Partnership agreement among the Ministry, the OCP Foundation and Mohammed VI Polytechnic University of Bengurir

- **The agreement was signed on June 19, 2020 and aims partners to promote the development of scientific research and innovation in Morocco, valorize research results and encourage the digitization of education;**
- **The partnership consists in**
 - ✓ **Establishing 14 studios for the production of digital pedagogical contents (a studio in each public university + a studio at the Ministry's headquarters + a studio at Mohammed VI Polytechnic University).**
 - ✓ **Creating a "National Center for Digitization and E-learning".**
- **The first studio for the production of digital pedagogical contents, was inaugurated on June 18, 2021 within the Innovation City of Hassan the 1st University in Settat.**

7- E-learning during the Covid-19 Sanitary Confinement Period

- ❑ COVID 19 pandemic forced the closing of Higher Education institutions → Resort to distance learning starting March 16, 2020
- ❑ Educational and Administrative staff worked actively to produce digital content to enable students to continue their studies.
- ❑ More than 100,000 digital resources were produced, covering from 70% to 100% of the programmed pedagogical contents during this period. These resources were available online through portals of universities and their affiliated institutions.
- ❑ Professors used remote communication platforms to ensure greater interaction with their students

Google classroom, Moodle, Microsoft Teams, Google Meet, Zoom, ...

- ❑ Students were allowed free access to the websites and online platforms of universities and public institutions dedicated to E-learning.

7- E-learning during the Covid-19 Sanitary Confinement Period

- **The National Radio and Television Company contributed through broadcasting lectures and video lessons on Al-Riyadia Channel from March to June 2020. The lectures concerned various fields of knowledge and programs taught at Moroccan universities especially at the undergraduate level in open access institutions that host 90% of the students.**
- **A platform was put that hosted these lectures to be accessed by students anytime they choose: <https://run.enssup.gov.ma>**
- **Cooperation agreements provided access to several digital resources of a number of partner countries (Britain, France, Switzerland, ...);**

7- E-learning during the Covid-19 Sanitary Confinement Period

- **A partnership agreement was concluded with the Francophone University Agency that allowed :**
 - ✓ **Training for professors in the field of E-learning**
 - ✓ **Production of 12 digital courses on study skills for the benefit of first year university students.**
- **Numerous webinars on e-learning were organized for staff from the Ministry and Universities. These webinars were supported through cooperation with different countries and international institutions (USA, UK, the World Bank, the French Agency For development);**
- **Several meetings and workshops were held with international partners, including: the European Union, the World Bank, the French Development Agency, the US and the UK embassies, the USAID. These forums concerned diversifying ways to ensure pedagogical continuity, to develop and to institutionalize distant education in Moroccan Universities.**

- ❑ **The project's objectives are:**
 - ❑ **Upgrading the Marwan network to ensure continued reliable high speed internet service to University Campuses and Housing through the new generation WIFI6.**
 - ❑ **Expand internet connectivity to Moroccan university websites to access educational resources for the benefit of students countrywide wherever they are.**
- ❑ **The call for bidding was launched on September 15, 2021**

9- E-learning: prospects for development

- ❑ **Provide support to universities to develop digital pedagogical contents through:**
 - ✓ **Preparation of reference guides for E-learning resources;**
 - ✓ **Production of digital educational resources;**
- ❑ **Continue to develop online interactive E-learning platforms in various fields,;**
- ❑ **Review the national pedagogical standards in order to foster integration of E-learning.**
- ❑ **Implement the National Center for Digitization and E-learning planned in the partnership agreement with the OCP Foundation and Mohammed VI Polytechnic University**

9- E-learning: prospects for development

- ❑ **Support professors and train technical staff in the field of E-learning through:**
 - ✓ **Organizing training workshops;**
 - ✓ **Launching a call for proposals to finance projects for scientific research and innovation in the field of E-learning;**
 - ✓ **Creating networks of experts trained within Moroccan universities in the field of E-learning;**
 - ✓ **Encouraging and motivating professors to incorporate digital pedagogies and technologies in their teaching and to produce quality digital content (career advancement, recognition and appreciation awards, training).**

Kingdom of Morocco



Ministry of National Education, Vocational Training,
Higher Education and Scientific Research



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وزارة التربية الوطنية و التكوين المهني
و التعليم العالي و البحث العلمي

Thank you for your Attention