



**Towards a global revolution in Education: using
digital technology to provide quality education for all**

MARCH, 21st 2013

■ ■ ■ ■ BUILDING OUR
FUTURE

About 2iE

- An International training and research center
- Training, in Africa, **highly-skilled entrepreneurial engineers** with initiative and entrepreneurship : key economic players for Africa's development

**Water and Sanitation ▪ Environment ▪ Energy ▪
Civil Engineering ▪ Mining ▪ Management Sciences**

Sharing our values

Diversity



Commitment

**TRAINING, INNOVATION AND
ENTREPRENEURSHIP TO PARTICIPATE
IN AFRICA'S DEVELOPMENT**

Responsability

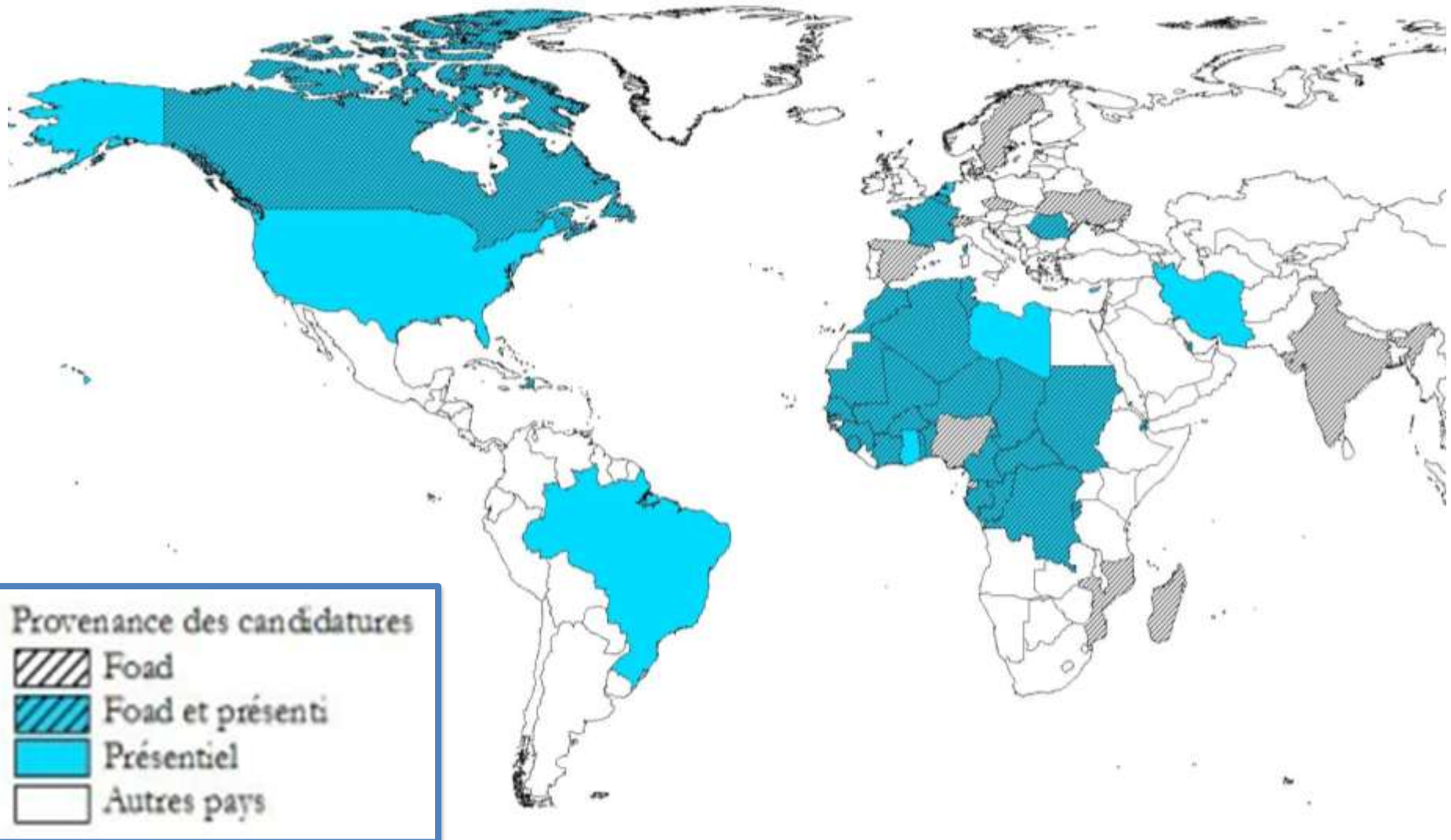
Merit



Attracting Worldwide

Onsite learning: applications from 36 countries

E-learning: applications from 43 countries



Student population growth

1973

Onsite students

More than **1000**

Online students



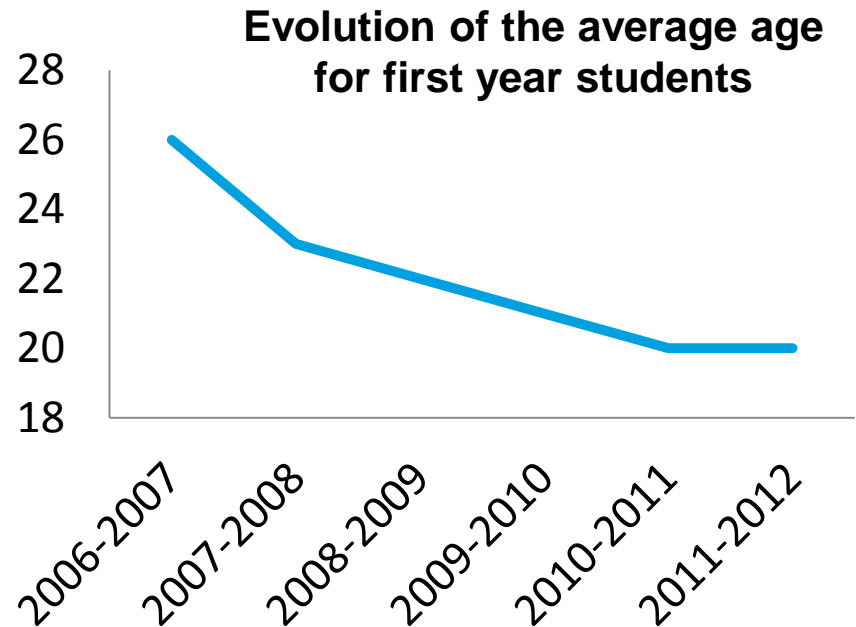
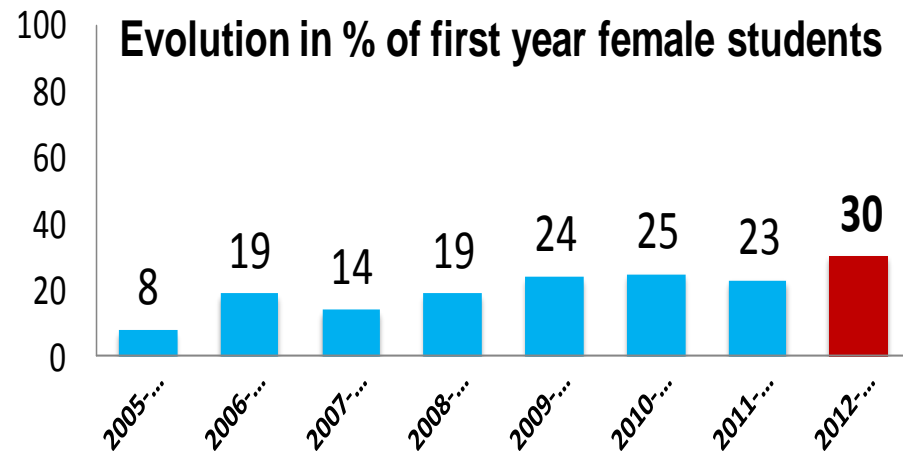
5000

Graduates since
2iE's creation

40

PhD students

A young, gender balanced and international student population

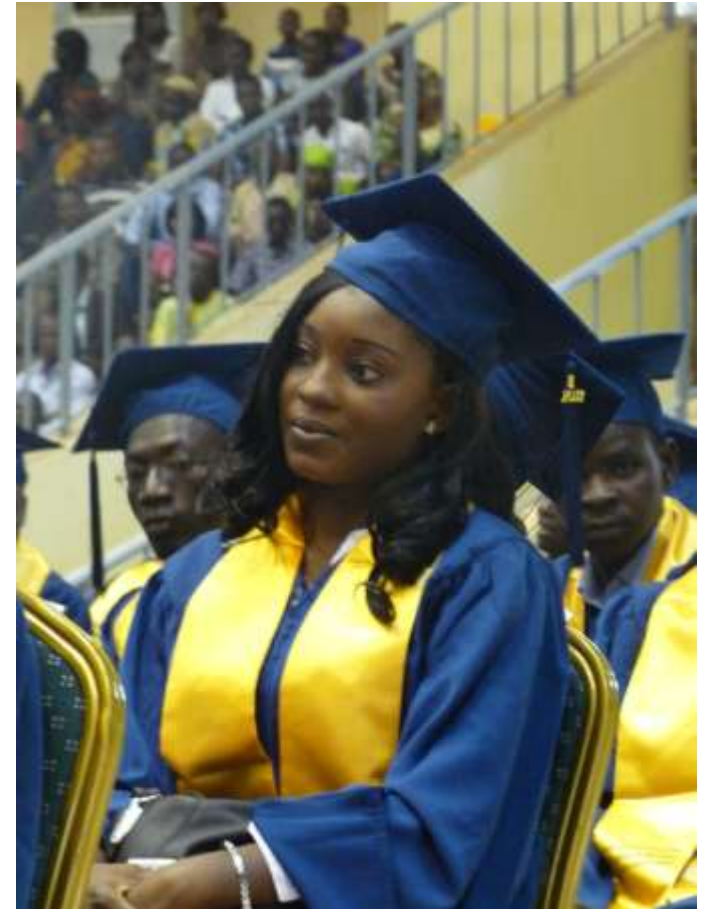


International and multicultural dimension

- Students: **27** nationalities on-site learning and **30** e-learning
- Faculties: **24** nationalities / **4** continents
- Research: **24** partner universities / **11** countries / **4** continents

Contributing to building capacity in Africa

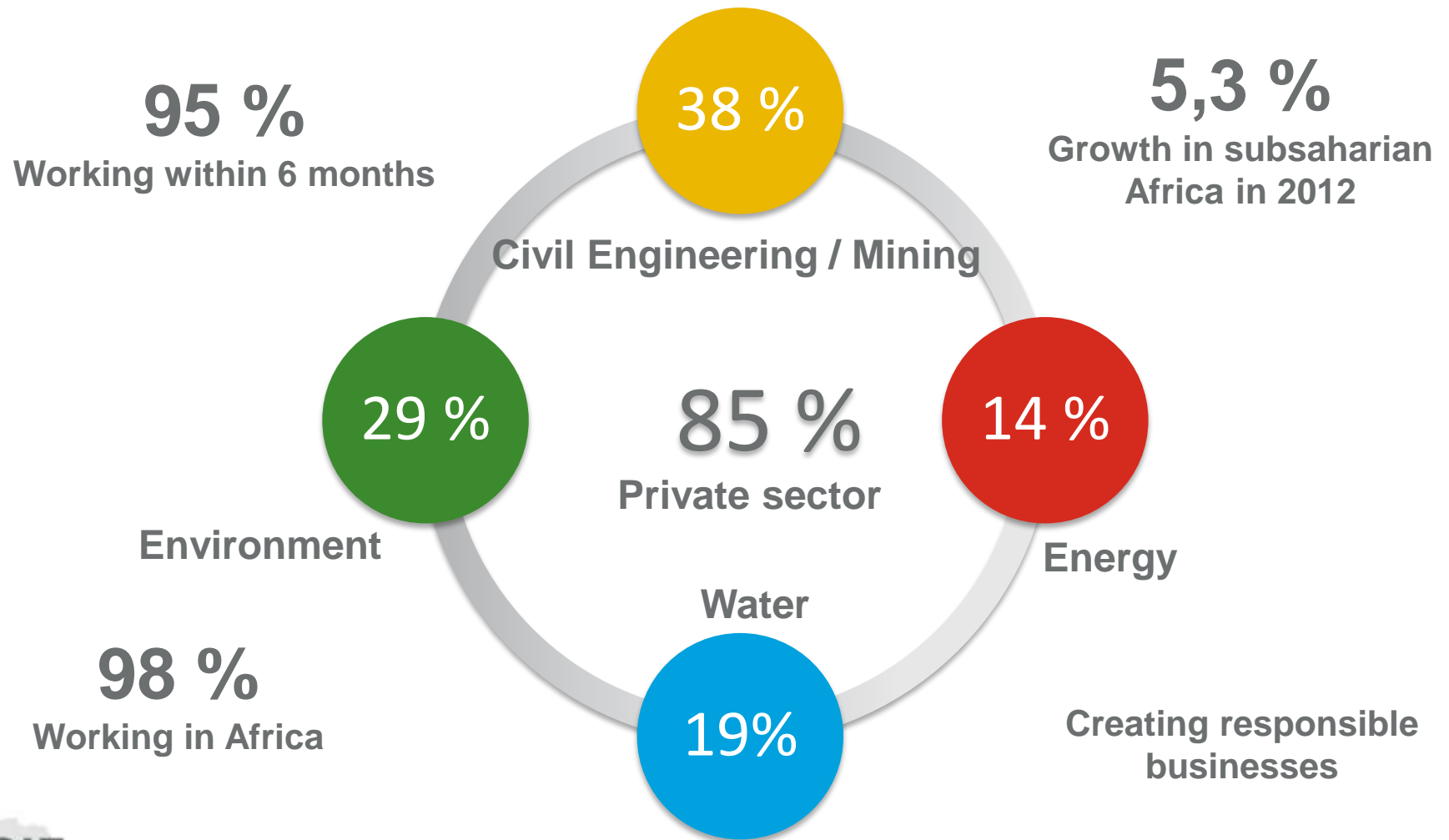
Country of origin	Total
BENIN	377
BURKINA FASO	1176
CAMEROON	556
CENTRAL AFRICA	78
CONGO	195
GABON	131
GUINEA	111
IVORY COAST	383
MALI	237
MAURITANIA	82
NIGER	418
SENEGAL	388
CHAD	295
TOGO	336
DRC	23
OTHER (10)	57
Total	4843



In 2013
729 potential graduates



Graduate employment : Economic growth and MDGs

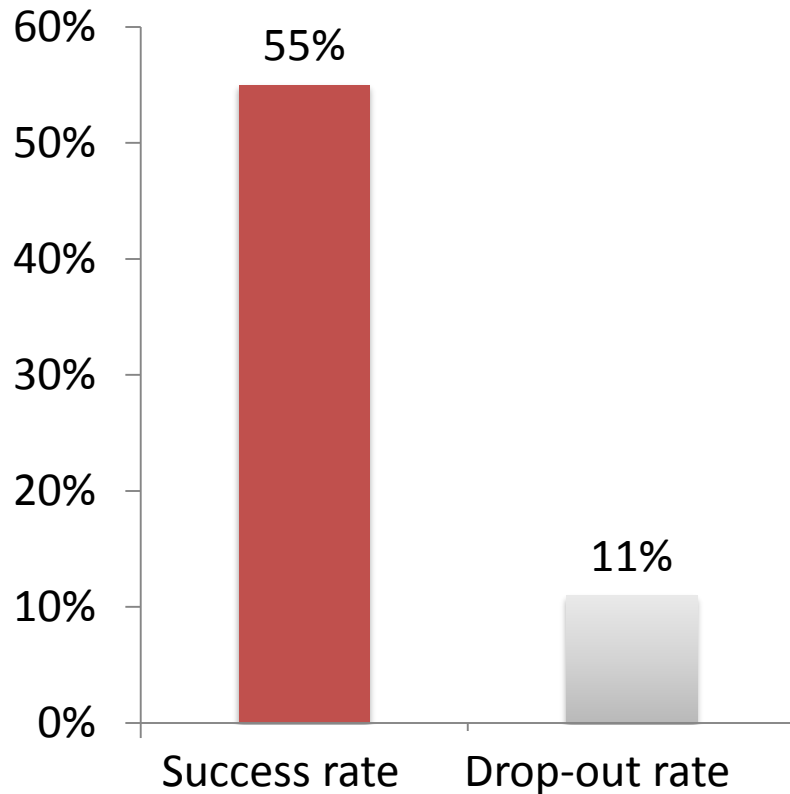


Companies recruiting 2iE Graduates

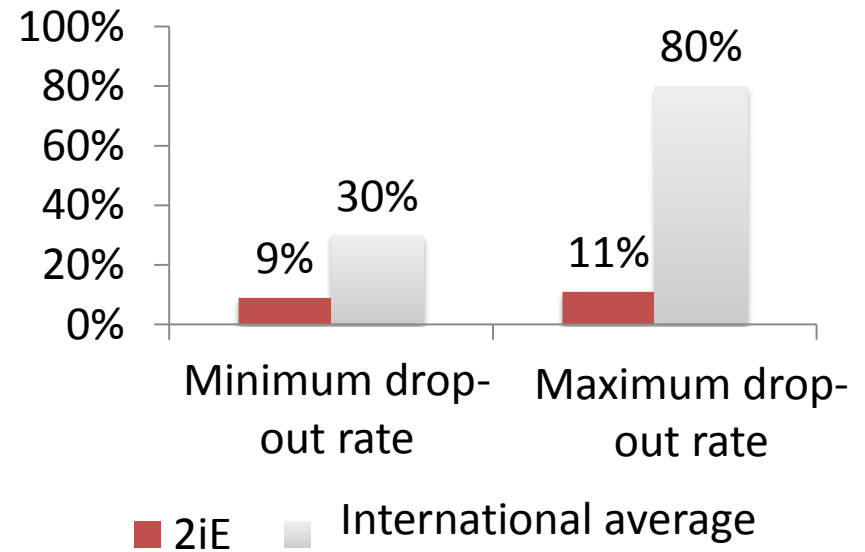


A leading African School offering E-Learning courses in engineering

- Degrees and Certificates
- Flexibility



Success rate Drop-out rate
2008 – 2001 results

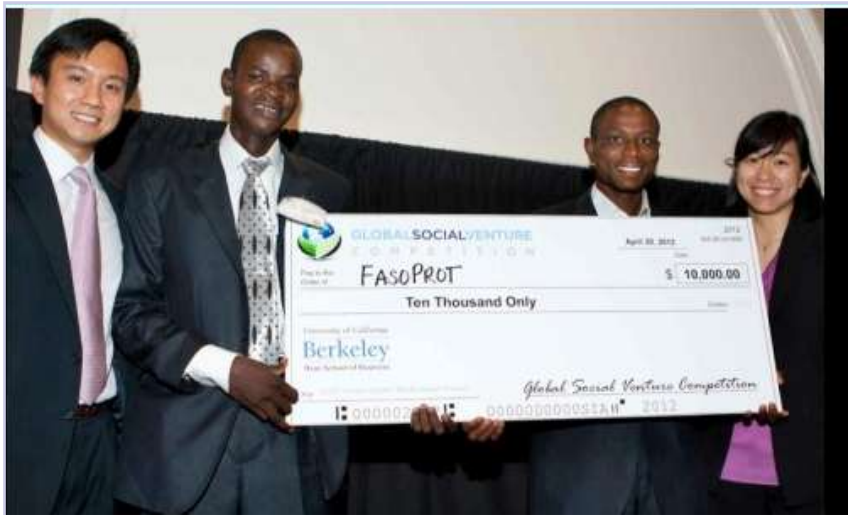


A success rate among the highest worldwide

Success in international competitions

Global Social Venture Competition

International competition of social entrepreneurship business plans



Faso Pro – 2012

Developing a national agribusiness with caterpillars, contributing to preventing malnutrition in rural areas

Bouygues Construction Challenge 2013

24-hours challenge around a innovative construction project



Team 2iE / EPF / ESSEC

3rd place

2iE at the heart of an active network for innovation and green growth



2012 WISE Book

2iE selected among fifteen case studies of innovative models for education in the world

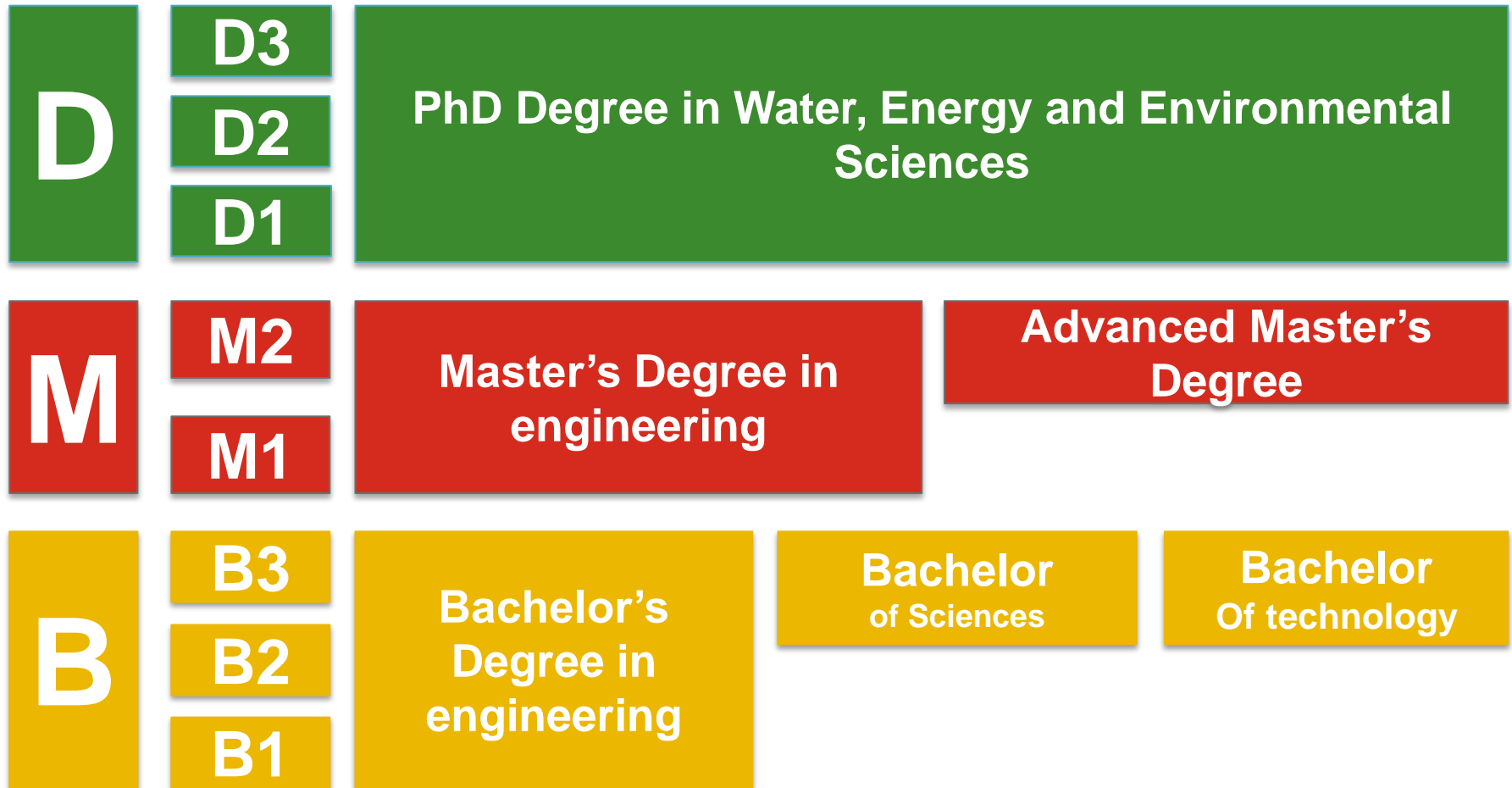


World Water Council

2iE elected Governor for developing innovative solutions for water management and sanitation

■ ■ ■ ■ A WORLD CLASS
STANDARD
EDUCATION

General structure: BMD



International recognition of quality of training

A Quality Management System



Labeled Center of Excellence



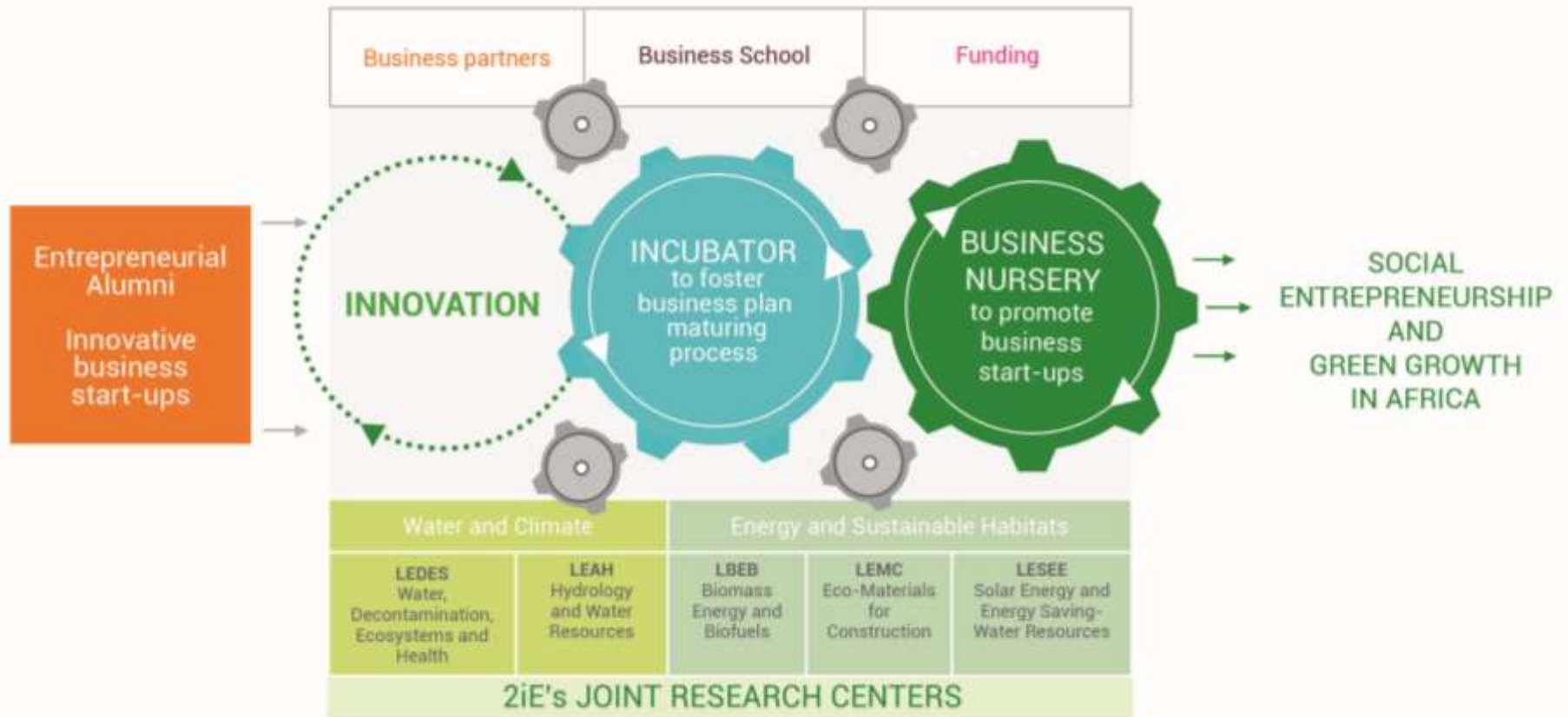
Accredited degrees



Academic network



Creating Entrepreneurial Engineers to support innovation and green growth in Africa



Education based on research for development : 5 laboratories

Common Research Center Water and Climate

LEDES

Water,
Decontamination,
Ecosystem and
Health

LEAH

Hydrology
and Water
Resources

LBEB

Biomass Energy
and Biofuels

LESEE

Solar Energy
and Energy
Efficiency

LEMC

Eco-Materials
and
Construction

Common Research Center Energy and sustainable Habitats

An international
Doctoral School
with 15 partner
universities

Founder member of
Virtual University
Environment and
Sustainable Development
(UVED)



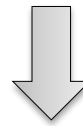
ORGANIZATION
AND
GOVERNANCE

Innovative system of governance

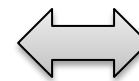
Public Private Partnership

2iE, non-profit international organization

General Assembly



Board



General Management



Scientific Council

7 Committees

Strategic, Audit, Risk,
Ethics, Employment
Student
Academic

A decorative element consisting of four white squares arranged horizontally, positioned to the left of the main text.

NEW TOOLS FOR EDUCATION

African Pulse

The African Lions emerging

Human capital

2013
54 countries,
population 1 billion

2020
500 million
workers

2030
20 % of global population,
50 % in cities

Economic growth

GDP
Over 5 % since 10
years

Investments
Foreign investment 62 USD billion
2nd rate in the world for return on inv.

Education and research

Growth of the educational
system slower than that of the
middle class

Brain drain: 20 000 high skilled
Africans leaving the continent
each year

Employment

330 million young African workers
within the 15 next years

Education and Employment

A gap between needs and existing tools

Investments

In primary and secondary education

↓ **BUT**

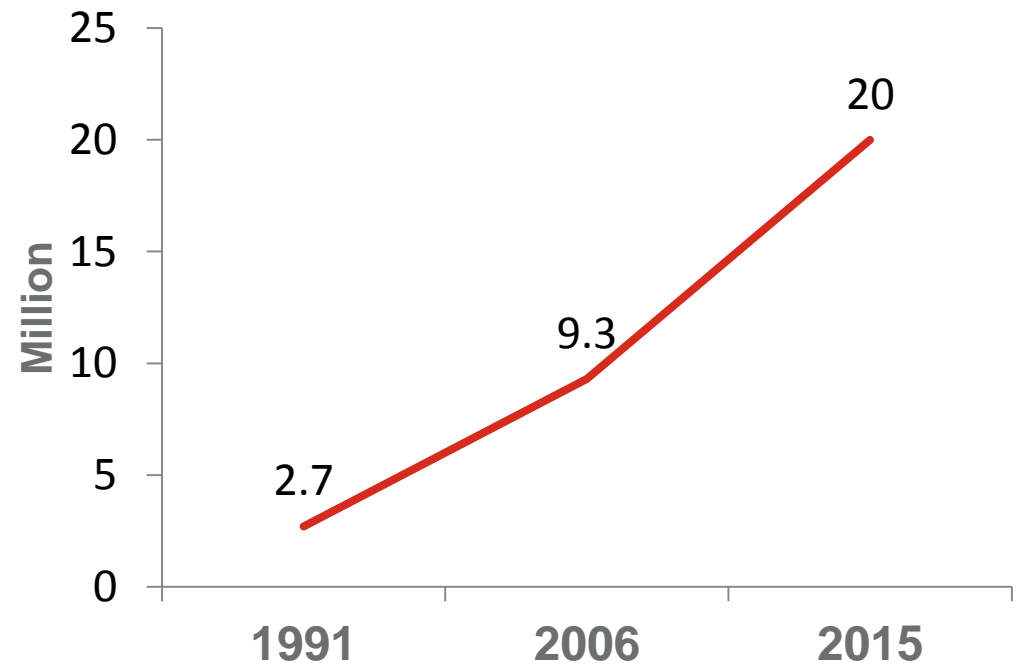
Shortage

Of investments in higher education and professional training

↓

- ✓ High levels of youth unemployment
- ✓ Highly-skilled people missing in the private sector

African students



Education and Employment

What we can do

BUILDING SCHOOLS



**LONG TERM
PROCESS**



Employment



**SHORT TERM
NEEDS**

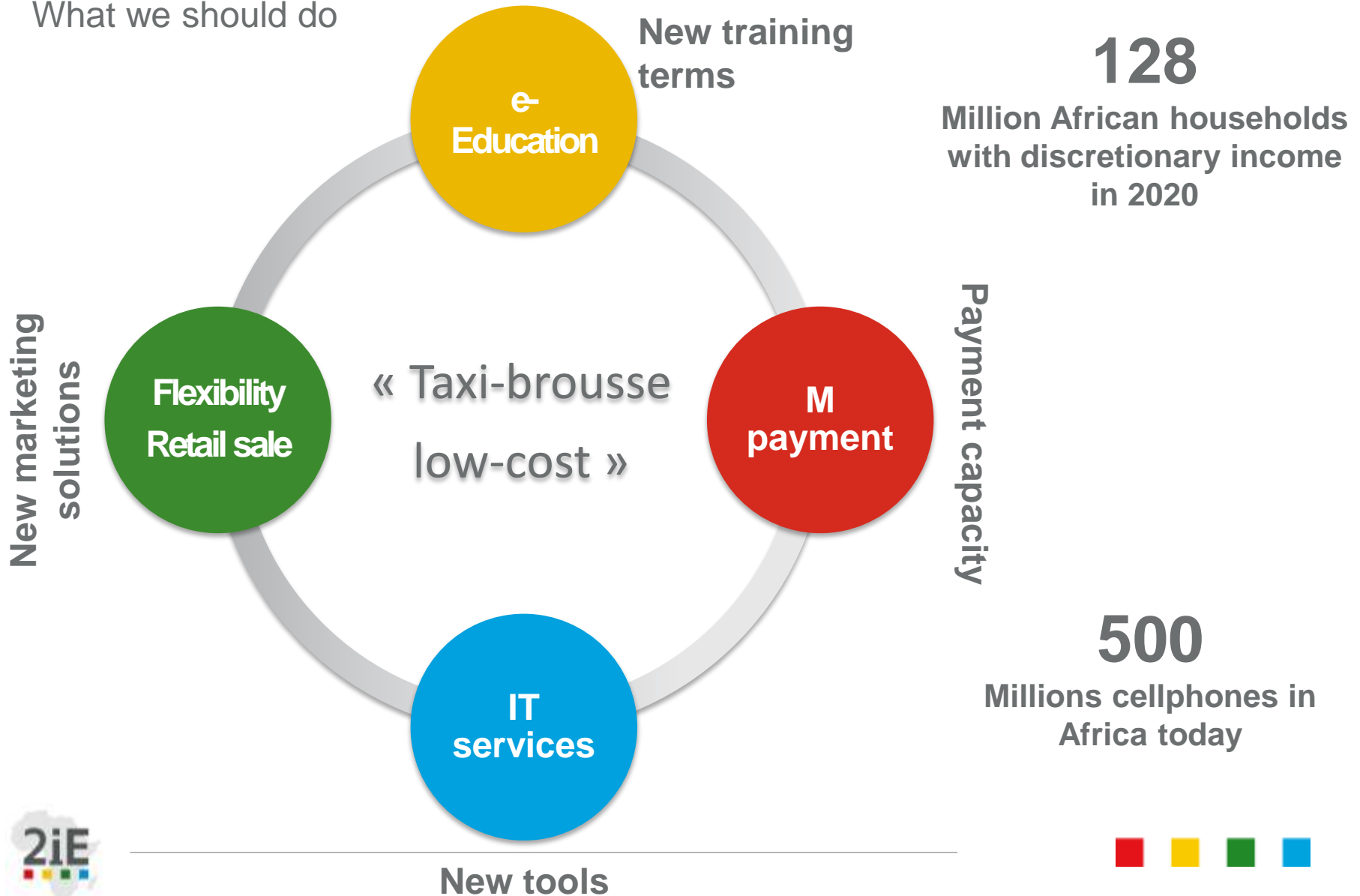
2015

- ✓ 20 millions students
- ✓ 500 millions workers



Innovation in Education

What we should do





ONLINE LIFELONG
TRAINING

2iE: an innovating E-learning system

« *Taxi-brousse / Low cost* » system

Flexibility

**a cohorts system to fit
African needs**

- ✓ Enrolment at any time throughout the year
- ✓ Retail sale
- ✓ Degree programs and certificates

Expertise

**creating contents and
team working animation**

- ✓ Capacity building opportunities for professionals
- ✓ 2 or 3 teaching modules in a 4 weeks period
- ✓ Case studies by groups
- ✓ Online coaching

New partnerships for education

Starting to test new solutions



Côte d'Ivoire

- ✓ New consumers, middle class
- ✓ Professionals
- ✓ Parents



e-courses
Interactive contents



Mobile SMS campaign
M-payment
Paying course credits 1 by 1
Smartphones
Applications



New partnerships for education

Using digital technology to provide quality education for all

Providing quality education...



... in digital Africa



Thank you

www.2iE-edu.org