

N E X O
G L O B A L

Latinamerican Forum

Yaneth Giha, General Director Colciencias – Colombia

May 30th, 2016

Colombia, a general context

Higher Education Institution's	288
Universities	82
Accredited Institutions	39
Enrollment	2,500,000

- Colombia has **43 universities** in the Region's Top300 Institutions
- In 2014 **Colombia** became **Latin America's fastest-growing** big economy
- **Population: 47.2 million** (International Monetary Fund; World Economic Outlook Database , April 2014)

*In the **Global Innovation Index Colombia ranks 5th** in LatinAmerica and the Caribbean

Colombia, a general context

It has the 34th strongest Higher Education System according to QS and **TopUniversities.com** released on May 18th on the **Top 50 Systems in the world**

In Latin America **Colombia** ranks 4th (After Argentina, Brazil, Chile and México), and it is a **Rising Star** in the Region

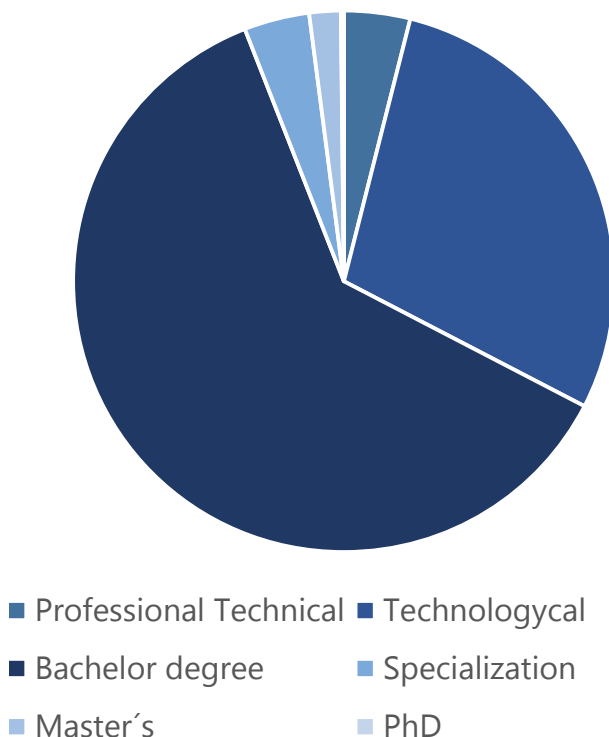
"Economic context", it measures the impact of the investment in Higher Education has on the quality of the system. **Colombia is 19th in the world and 3rd in LatinAmerica**

In the Global Competitiveness Report 2015-2016 Colombia ranks 61/140 economies, rising in the rankings for the second consecutive year

Key Facts

About our Degrees

Enrolment 2013

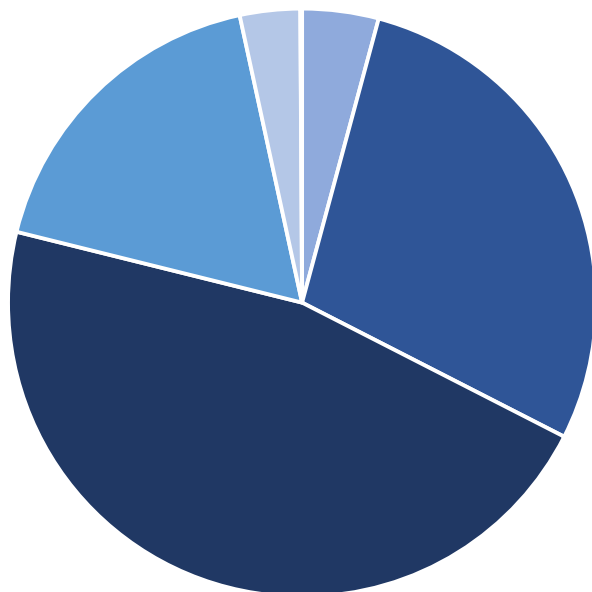


In 2013, only 3.800
students enroled in PhD
programs out of 2.109.224
(0.2%)

Key Facts

About our Degrees

Higher Education Degrees 2014



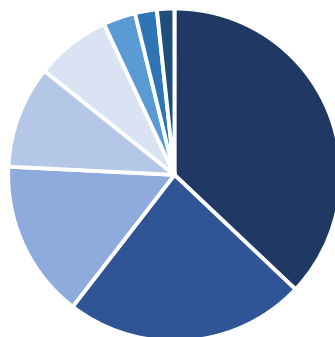
■ Professional Technical ■ Technological ■ Bachelor degree
■ Specialization ■ Master's ■ PhD

In 2014 only 0,1%
of the graduations
corresponded to PhD
students and 3,3% to
Masters degree students

Key Facts

About our Degrees

Degrees by Knowledge Area 2014

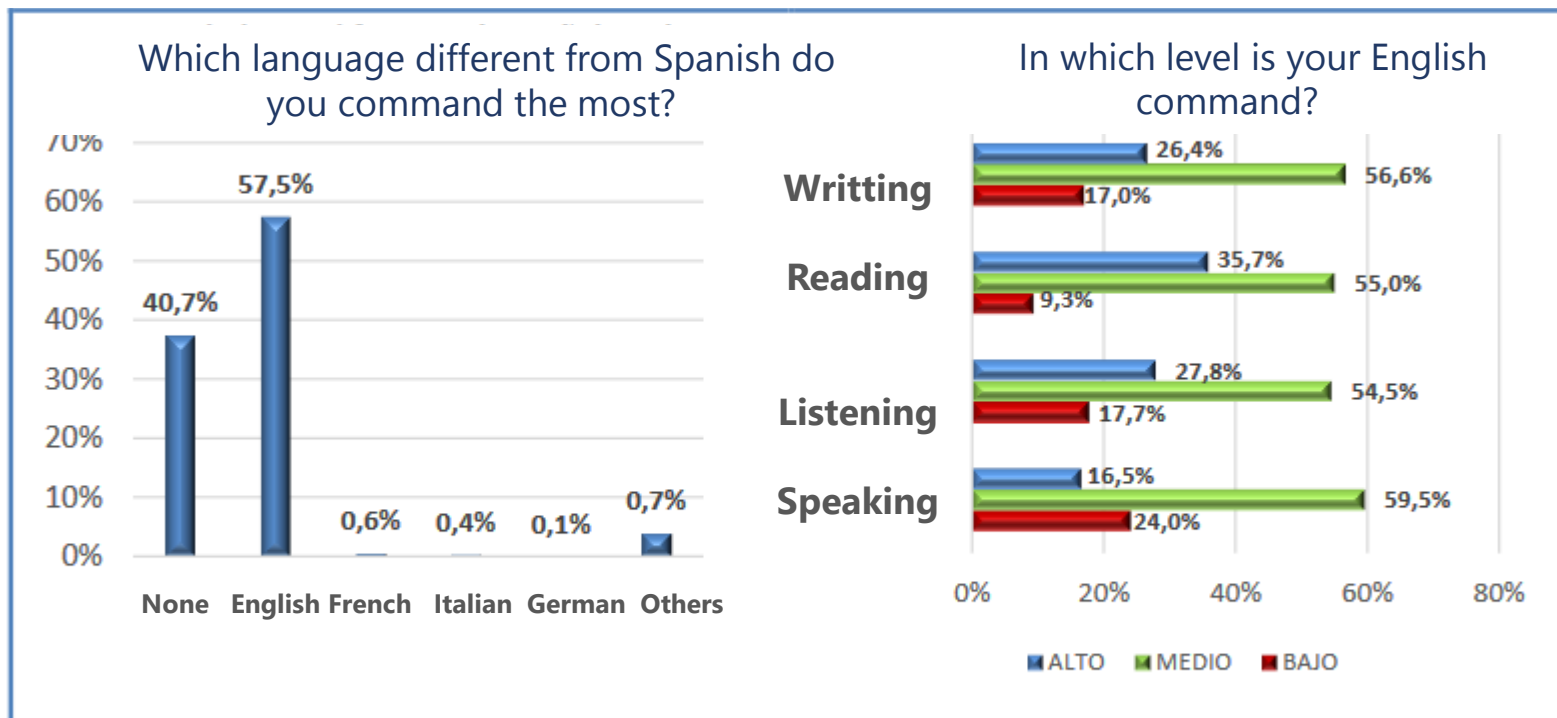


In 2014 only 6,069
out of 358,020 students
obtained a degree in
Mathematics and Natural
Sciences

- Economics, Administration, Accounting and related
- Engineering, Architecture, Urbanism and related
- Human and Social Sciences
- Education Sciences
- Health Sciences
- Art
- Agronomy, Veterinary and related
- Mathematics and Natural Sciences

Key Facts

Foreign language and English Command survey



Fuente: Ministerio de Educación Nacional - Observatorio Laboral para la Educación

Colombia ranks **57 out of 70** with a “very low” general level of English, in the EF EPI ranking according to the “English in a global ranking of cultural exchange organization Education First (EF) - 2015

Colciencias is the Administrative Department of Science, Technology and Innovation, that depends on the Presidency and leads the National System of **Science, Technology and Innovation** (SNCTI)



R&D



Education



Innovation



Mindset and
Culture

**To double our
scientific production**

**More sophisticated
and Innovative
companies**

**A Culture that values
and uses knowledge**

We have set an **Ambitious Goal**

To be one of the three most
innovative countries in **Latin
America for 2025**



We work to make it happen!

Ondas

2.986.000

Children

Nexo

6.000

students

There was a gap
that we needed
to fulfill

Young researchers

8.000

researchers

PhD's

3.000

PhD's

201

4

Colciencia's Programs

2018

We want to help our undergrad students to
**make conscious decisions about their
academic future** to strengthen **Colombia as
a scientific nation**

Therefore, we created **Nexo Global**



COLCIENCIAS





NEXO
GLOBAL



COLCIENCIAS

NEXO GLOBAL is an international **research** internship program for **undergraduate students**, in **STEM+Ag and Social Science (post conflict)**, which acknowledges academic excellence



COLCIENCIAS
Ciencia, Tecnología e Innovación



It is innovative

NEXO Global is the **largest international research mobility program** that focuses on **current, relevant and primary** issues for Colombia



COLCIENCIAS



It is **important** because

Nexo Global provides students with the possibility to **enroll in international knowledge networks** to pursue their scientific career helping achieve Colombia's STI goals



Internationalization: Our goals need improvement and NEXO Global will have a positive impact increasing international mobility and research indicators (Such as Hirsch Index)



Quality: It is a challenge and a priority for our country. By creating better relations with the best HEI's and Research Centers we hope to improve quality in our system.

International Mobility

Program of great impact



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 **NEXO**
GLOBAL

In Colombia, we are

Working together

- ▶ Students
- ▶ Government
- ▶ Private sector
- ▶ Researchers and Tutors
- ▶ National and International Universities
- ▶ National and International Organizations

Everybody counts!

We are **Partnering**

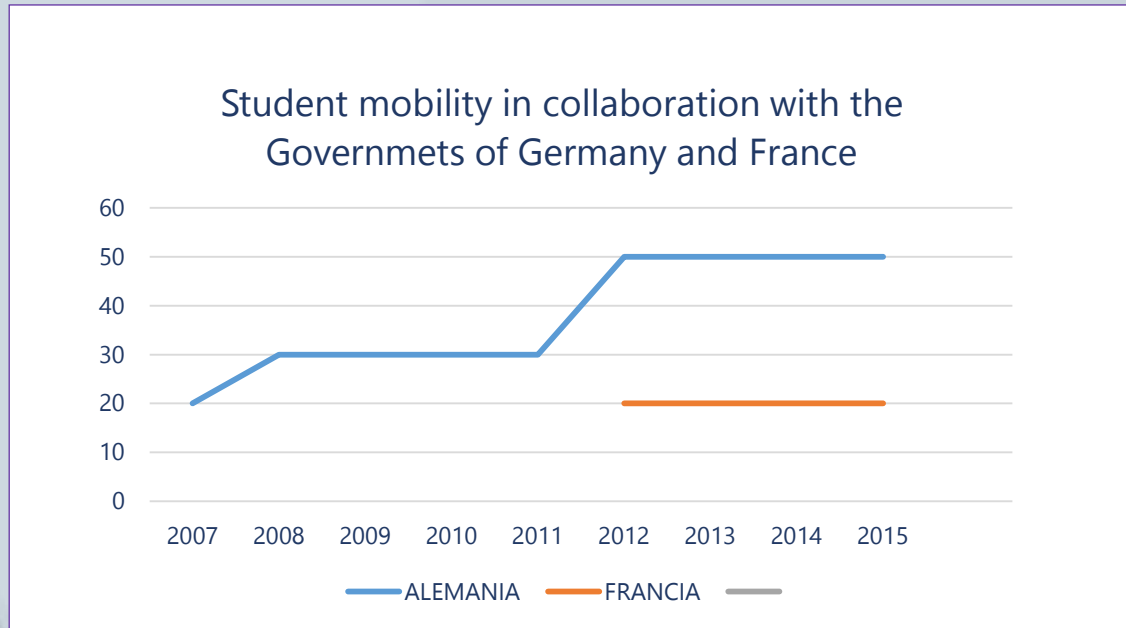
With international allies

United States
United Kingdom
Canada
Brazil
Spain
France
Ireland
Australia
Mexico
Chile

We want to work with you!

When working together **We achieve greater results**

A perfect example is young engineers with France and Germany



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NEXO
GLOBAL

Ambitious Goals

Phases	6.000 NEXO GLOBAL Students
Pilot 2016	40
Phase I 2016	500
Phase II 2017	2.260
Phase III 2018	3.200

The program started with a Pilot and it was
launched in **January 2016 for**
40 Nexo Global students

Profile:

Nexo Global students

We want to provide our best students with Nexo Global experience. They need to comply with the following criteria to get the best out of the journey:

- ▶ The students must be enrolled in **Colombian accredited programs** (from private and public Universities around the country)
- ▶ The students must have finished **70%** of their credits
- ▶ The research field must be developed in **STEM + Agriculture and Social Sciences** (post conflict oriented)
- ▶ The students must have a **GPA of 3.8 or higher** (on a 0 to 5 grade scale)
- ▶ The students must certify **foreign language proficiency level** according to the requirement of the host University

Blog: the Students have a lot to say



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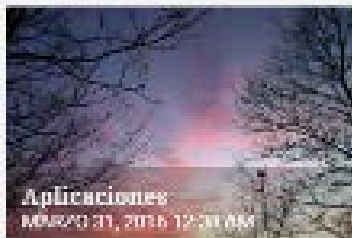
TODOS POR UN
NUEVO PAÍS

PAZ EQUIDAD EDUCACIÓN

DESTACADO



Compañías de laboratorio
ABRIL 10, 2016 10:05 PM



Aplicaciones
ABRIL 11, 2016 12:31 AM



Episodio 7: Taxis Vs Uber,
De New York a Bogotá.
ABRIL 15, 2016 11:24 PM



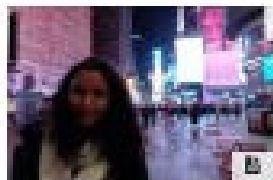
Y, ¿de qué sirven todos esos
montajes?
ABRIL 17, 2016 11:36 AM



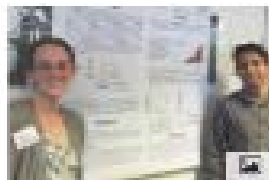
Primer Simposio de
Biocarbón y Bioenergía en
Cornell
ABRIL 15, 2016 01:15 PM

<http://www.colciencias.gov.co/redesdelconocimiento/difusion/blogpilotonexo/>

BLOG



Episodio 7: Taxis Vs
Uber, De New York a
Bogotá.
ABRIL 15, 2016 11:24 PM



Primer Simposio de
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en Cornell
ABRIL 15, 2016 01:15 PM



Y, ¿de qué sirven todos
esos montajes?
ABRIL 17, 2016 11:36 AM



Cena de Astronautas
ABRIL 14, 2016 10:18 PM



With the support of: **US Embassy Bogotá**



Nexo Global is

Just Starting:

It will transform Colombia's Scientific Ecosystem,
one **Nexo Global** student at a time

We believe in **Young Talent**
We believe in **Academic Excellence**
We believe in **Scientific Collaboration**



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