



Education

# TRANSFORMING EDUCATION

**Brian Gonzalez**

**Global Director Intel Education**



# Intel Education

We are deeply committed  
to achieving our shared goals

**300M** students have used Intel solutions  
for learning

Transforming education in **100** countries

Professional development for **15M** teachers

**7M** students in Intel Intl. Science &  
Engineering Fairs

**\$1B** invested in the last decade



# New Digital Divide ?



**CONNECTED** ✓

**ENGAGED** ?



***“The modern global economy doesn't pay you  
for what you know, because the Internet  
knows everything.  
The world economy pays you for  
what you can do with what you know.”***

**— Andreas Schleicher, OECD**

# Skills Gap

Demand is  
outpacing  
skilled graduates  
worldwide.

More than  
**50%**  
of today's jobs  
require technology skills

Within the next decade,  
demand for these skills  
will jump to

**77%**<sup>1</sup>

# Required Skills

- ✓ Critical Thinking
- ✓ Collaboration
- ✓ Communication
- ✓ Problem Solving
- ✓ Project Leadership
- ✓ Technology Literacy

**CREATIVE THINKING AND ACTIONS SCALED VIA TECHNOLOGY**



# Innovation Economy

**EDUCATION → ENTREPRENEURSHIP → EMPLOYABILITY**



**Increase Country Competitiveness**

Enhanced teaching & learning for all



**Build Required Competencies**

New job skills & re-skilling



**Boost Economic Development**

Grow ICT industry base, jobs & revenue



**Enhance Citizenship & Social Cohesion**

Narrow divide, include rural, sustain locally

# Create + Collaborate + Consume





***“The opportunity in our  
lifetime is to leap ahead from  
Information Access to  
Innovation Society”***

**Alicia Bañuelos  
San Luis, Argentina**

# Education Transformation Wave



Brazil



Bolivia



Portugal



West Bank, Palestine



Georgia



Mexico



Venezuela



Egypt



Panama



Argentina



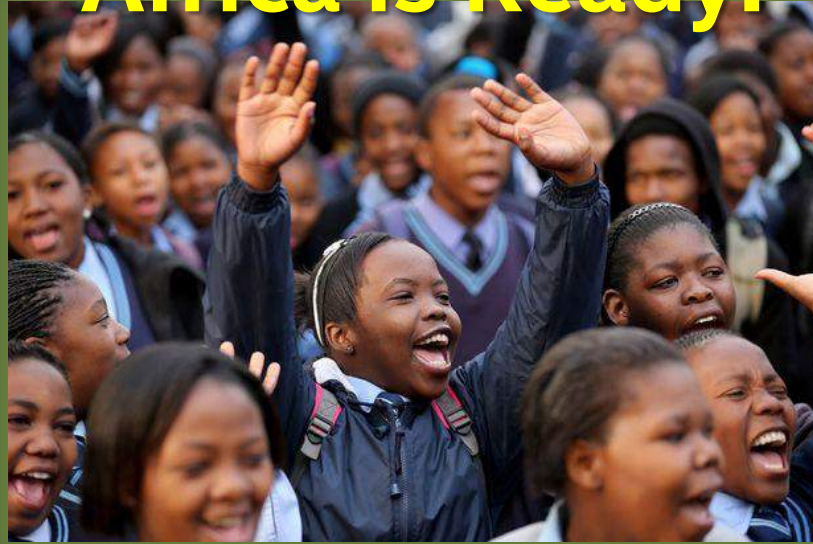
**Rwanda**



Shenzhen, PRC

# Education Transformation Wave

**Africa is Ready!**



**Commitment + Collaboration + Community**

***“How we deploy technology for education matters.  
A holistic solutions approach is key for success...”***

Dr. Mario Franco

Millennium@EDU – Sustainable Education  
Founder & Chairman

[mfranco@millenniumedu.org](mailto:mfranco@millenniumedu.org)

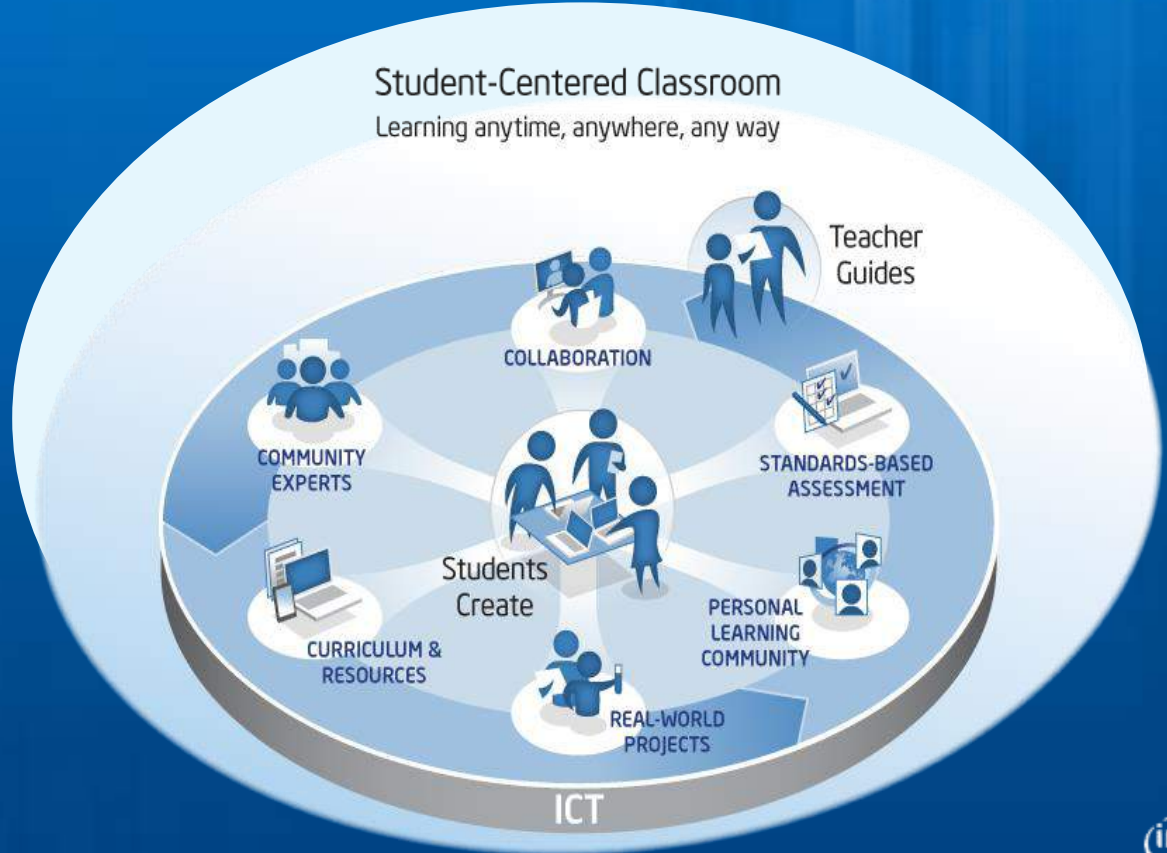


**FUTURE PAST**



**FUTURE NOW**

# Tech Enabled Learning Space



# Model for Success



# INTEL EDUCATION SOLUTIONS

## User Experience

### HARDWARE



Education 2 in 1, Tablet and PC

### SOFTWARE & SERVICES



Intel® Education Software



Infrastructure Services

### CONTENT ECOSYSTEM



### IMPLEMENTATION SUPPORT



Intel® Teach & Transforming Learning



Teacher Professional Development



Go-to-Market & Deployment Support

# FLEXIBLE, HOLISTIC, EDUCATION FOCUSED



# Evidence of Impact

# Economic Impact

*Job Growth*

*Industry Growth*

*Second-Order  
Industry  
Growth*

*National  
Economic  
Growth*

**PORTUGAL**

**Magellan:**  
350 direct jobs,  
1500 secondary jobs,  
€2.3B in economic activity

**BRAZIL**

**MACEDONIA**

**MALAYSIA**

**VENEZUELA**

# *Social Inclusion & Educational Change*

ICT  
Access

Classroom  
Usage

Curriculum  
Integration

Educational  
Change

**ARGENTINA**

San Luis: significant improvement in language, science and math scores



PORTUGAL



BRAZIL



MACEDONIA

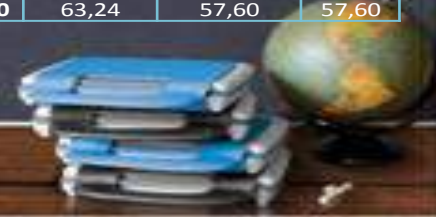


## Third grade science

3 yr trend shows improved results for 1:1



	Trird Grade Science		
	All kids on line		
	Saturation %	Laboratory %	Core Sample %
1°/2009	55,87	56,11	57,51
2°/2009	56,95	50,93	49,76
1°/2010	57,02	54,08	51,36
2°/2010	63,24	57,60	57,60



# Senegal

## Increase educational capacity and enhance educational experience

### Challenge:

Harness ICT to expand higher education opportunity, reach and quality

Source: Project Red

### Solution Results:

All universities offer Wi-Fi, affordable PCs, software, and a growing number of digital courses.



~16,000 students now have laptops to access and create learning content & collaborate with peers.



Senegal Virtual University enrolled 2,064 students; on path to reach 17,000 .



# Lessons from the Field

# Actions for Success

- ✓ Government commitment supported with clear deliverables, baseline and measurable outcomes
- ✓ Engage students and parents in learning communities
- ✓ Empower teachers on new learning methods
- ✓ Integrate global content and develop local content
- ✓ Forge Private/Public Partnerships for sustainability
- ✓ Enable access... everywhere and everybody





**Michael Trucano**  
Sr. ICT & Education Specialist



1. invest in a *comprehensive program for educational 'transformation'*

2. create a local, sustainable *economic model to fuel job creation in local IT industries*

3. explore *new sorts of public-private partnerships* to help lower the costs of

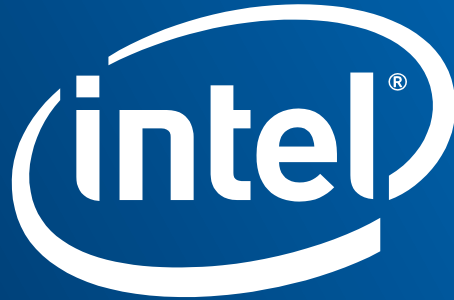
In many ways, Portugal offers a model for developed countries seeking to join the European Union, its per capita GDP, currently slightly lower than that of the United States, is not far from the middle income countries than it does France. In other words, Portugal is a country that it was. This makes it particularly interesting for economies seeking to quickly integrate into the global economy, such as the United States, Canada, Australia, Sweden, and others. It is a call for ministers of education, and what not to do, and what to do.

Next week the World Bank will host a conference in Lisbon, Portugal, to discuss the country's progress and what has happened as a result of the event in the late afternoon on the event is free, but space is limited.

has rolled out an ambitious, far-reaching set of related initiatives to:

[...] invest in a *comprehensive program for educational 'transformation'* to help improve

<http://www.intel.com/education>



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