Learning Everywhere
Education now and beyond Covid-19
LIVE WEBINAR
1. Policy Framework Architecture - CONTINUITY PLAN

2. Empower Remote Learning for Education

3. Empowering the Modern Learning Environment

4. Facing Connectivity Challenges for Learning and Education

5. Choose the Right Devices for Remote Learning

6. Learning Everywhere

OUR AGENDA
Speakers

Mário Franco
Founder & Chairperson
Millennium@EDU Sustainable Education

Jordan Chrysafidis
GM, WW OEM Education
Microsoft Corporation

Miguel Nunes
Senior Director, Product Management
Qualcomm Technologies, Inc.

Paul Landers
Program Manager, Connect to Learn
Ericsson

Alex Liao
VP of Mobile Product Business Unit
EC3

Jorge Sá Couto
Chairman
jp.re
Sustainable@EDU - POLICY FRAMEWORK ARCHITECTURE
CONTINUITY PLAN

Learning Everywhere
Education now and beyond Covid-19

Mario Franco
Founder & Chairperson
Millennium@EDU
SUSTAINABLE EDUCATION
RAISING THE LINE OF EDUCATION CAPACITY

Number of People Requiring Education

Number of People In education System

EDUCATION SYSTEM CAPACITY

EDUCATION SYSTEM CAPACITY INCLUDING ICT SUPPORT

Number of Learning Years

Number of People
Sustainable@EDU CONTINUITY PLAN
Binocular View

Short Term

Long Term
CONTINUITY PLAN

❖ Timeframe (3 Phases)
❖ First Phase: Present Crisis (June/July 2020)
❖ Second Phase: Relaxing Confinement
❖ Third Phase: Next School Year
10 Recommendations to plan distance learning solutions

The World Bank Education Global Practice
Guidance Note: Remote Learning & COVID-19
(updated April 7, 2020)

A framework to guide an education response to the COVID-19 Pandemic of 2020
Team-centered and results-oriented Vice President, US OEM Marketing and Sales with more than 24 years of experience in IT Software and Services sales and marketing. Leadership expertise in corporate strategy, organization design and implementation, execution oversight and operational infrastructure.

Jordan Chrysafidis
GM, WW OEM Education
Microsoft Corporation
Empower remote learning for education

Jordan Chrysafidis
GM, Education Devices
Microsoft Corporation
In this unprecedented time, schools and universities need inclusive **remote learning** more than ever.

- **Enabling inclusive remote learning**
  How do we set up accessible online learning that integrates with our current systems?

- **Empowering instructors and IT staff**
  How do we train instructors and staff on the new technology?

- **Fostering ongoing engagement**
  How do we keep students engaged and build community?
Microsoft is here to help you wherever you are on your remote learning journey

Microsoft meets you where you are with no-cost solutions that integrate with your existing systems—like Zoom, Canvas, Moodle, and more.

- Enabling inclusive remote learning
- Empowering instructors and IT staff
- Fostering ongoing engagement

Building on security, compliance, and compatibility
We’re helping schools through the COVID-19 crisis

Microsoft is partnering with schools and universities worldwide to enable remote learning solutions.

We’re committed to you

Office 365 A1, including Teams, is always available to schools at no cost to enable remote learning

We’re providing support

The Microsoft Enabling Remote Learning Team is providing round-the-clock support to users

We’re giving globally

Microsoft has lent technical support to the UNESCO COVID-19 Emergency Task Force
Miguel Nunes is senior director of product management for Qualcomm Technologies, Inc. where he leads Qualcomm Technologies’ Windows strategy and products, driving multifunctional teams around the world.
Empowering the Modern Learning Environment

Miguel Nunes
Senior Director, Product Management
Qualcomm Technologies, Inc.
@nunesmeister
A global leader in wireless innovation

30+ years of sustained innovation

$58B+ in cumulative R&D

140,000+ patents/patent applications

Key business segments

Qualcomm Incorporated: technology licensing
Qualcomm Technologies: semiconductors

- Mobile
- RF front end
- Auto
- IoT
- Networking

- Voice and music
- Computing
- Extended reality
- Cloud AI

Cumulative R&D expenditures and patent counts as of Q3 FY19
Leading mobile innovation for over 30 years

Digitized mobile communications
- Analog to digital

Redefined computing
- Desktop to smartphones

Transforming industries
- Connecting virtually everything

Transforming how the world connects, computes and communicates
Snapdragon Always On, Always Connected PCs

- Fast, seamless LTE and Wi-Fi Connectivity
- Performance and Multi-day battery life*
- Enterprise-grade security
- Modern Device Management

Powering Modern, Untethered Education Experiences

- Closing the homework gap with connectivity
- Immersive virtual classrooms with industry leading camera and AI technologies
- Connect, Create, Collaborate from virtually anywhere

* Battery life varies significantly based on device, settings, usage, and other factors.
Paul Landers is Partnership Director at Ericsson’s Sustainability and Corporate Responsibility unit where he is responsible for building partnerships that support the Connect To Learn program.
Facing Connectivity Challenges for Learning and Education

Paul Landers
Head of Partnerships
Connect To Learn
4G networks will cover around 90 percent of the world’s population by 2025

Global 4G population coverage was around 80 percent at the end of 2019 and is forecast to reach over 90 percent in 2025.

4G networks are also evolving to deliver increased network capacity and faster data speeds.

5G population coverage is forecast to reach 55 percent in 2025.

Source: Ericsson Mobility Report, June 2020
Connecting the unconnected: Barriers

Unconnected in year 2024
(~1.9 billion)

- 1,250 million: 3G/4G/5G coverage
- 420 million: 2G-only coverage
- 230 million: No mobile coverage

Key barriers and challenges:

- Illiteracy/Lack of digital literacy
- Age/Gender
- Perceived lack of relevance of digital services
- Absence of digital services in local vernacular
- Affordability of terminals and subscriptions
- Lack of infrastructure supporting connectivity (e.g., electricity, transmission)

Main barrier is not technology. Lack of spectrum is not a barrier. Scalability of technology and economies of scale play in favor of 3GPP solutions.
Challenges to connectivity

- Main challenge for connectivity is socio-economic & socio-political
- Those uncovered by network reach are usually poor and can afford less
- Operators face business model challenge: Cost of deploying and maintaining cell sites in rural areas is significantly more expensive
- Technology and spectrum availability are not barriers to rural connectivity
Rural connectivity: Parting thoughts

➢ Neither spectrum nor technology are barriers to rural connectivity
  - Challenges are primarily anchored in socio-economic & socio-political issues.

➢ Mobile technology is proven and provides economies of scale
  - Rural connectivity solutions need to scale and be built on proven technology, with sustainable business models.

➢ Regulators and policymakers must support increased rural coverage
  - Requirements of coverage when licensing spectrum, financial support for rural sites, and regulative support with e.g. site permits.
  - Perhaps, rewrite Universal Service Funds mandates to go beyond voice services to include mobile broadband
Giga is a global initiative to connect every school to the Internet and every young person to information, opportunity and choice.

https://gigaconnect.org
Alex Liao is the General Manager of ECS USA Office, overseeing businesses in US and Latin America. Mr. Liao is also in charge of sales and marketing of the Mobile Product Business Unit which designs and produces Notebook, Tablet, and Classmate PC (CMPC) for educational purpose.
CHOOSE THE RIGHT DEVICES FOR REMOTE LEARNING

Alex Liao
GM, ECSUSA
Elitegroup Computer Systems
ECS, the Elitegroup Computer Systems, is a leading manufacturer and supplier of several families of computer products in the industry.

**30+ years**
Experience in high tech design/manufacturing of a wide range of PC products

**26+ Million**
Educational devices have been delivered to students and teachers in 70 countries around the world

**10+ years**
Experience in design and development of educational devices
Identify Your Requirements

01. Carry your laptop around?
02. Spend more time to use a keyboard?
03. Spend more time on video conferencing?
04. Need to run one or more applications at the same time?
05. Need to run legacy education apps that require Flash?
A range of educational activities and the performance required

- Digital Content Access
- Video Conferencing/Remote Learning Access
- Web Apps & Productivity Tools
- Programming & Coding
- Digital Content Creation
- Data Science
- Simulation & Modeling
- AI & Machine Learning
- Esports

QUALITY OF MULTITASKING EXPERIENCE

ENTRY PERFORMANCE  BETTER PERFORMANCE  BEST PERFORMANCE
ECS Technology to Support Blended Learning

100cm drop resistance, MIL-STD-810G compliant
IP5x rating, dust and water resistance
Fan-less Design
High speed 4G/LTE Connectivity
More than 8 hours battery life
Active Stylus
HD 720P Rotational webcam with Built-in Mic
USB 3.2 Gen 1 Type-C
Experience brilliant visuals
Support 720P video call, smooth picture, frame rate can reach 30FPS

Face to Face Learning
Online Learning
BLENDED LEARNING

Built-in Digital-MIC
Educational PC Collections

**Notebook**
- Semi-Ruggedized
- 11.6” Clamshell
- 14” Clamshell

**2IN1 Notebook**
- Semi-Ruggedized
- 11.6” Convertible
- 11.6” Convertible
- 10.1” Detachable
- 10.1” Detachable
- 10.1” Detachable

**Tablet**
- Semi-Ruggedized
- 8” Rugged Tablet
- 10.1” Rugged Tablet
Mr. Jorge, a technology enthusiast and a believer with a passion for education encouraged by his parents, he founded the company JP Sá Couto alongside his brother in 1989. In its first years, the company worked in the field of technical assistance, rapidly growing into the Distribution sector and adventure
LEARNING EVERYWHERE
Our general Vision of the Project
What distinguishes us

We lead a worldwide transformation in Education

With over 30 years of experience in the development and distribution of technological solutions, in 2008, jp.ik implemented the world's first national education technology initiative.

This initiative was pioneering, as it guaranteed universal access to technological equipment and access to information.

Reference partner in the integration of technology for Education. Strategic partner of major players in the sector, such as Microsoft and Intel, jp.ik develops innovative solutions in the field of Technologies Applied to Education, always being one step ahead of other global companies.

Personalized Offer

Specific Design for Education

Research & Development

Full range of Education Services

Implementation of turnkey projects
Kenya

+700 000 students
14 000 primary schools
+40 000 teachers

Ivory Coast

Pilot project with SOS Villages d’Enfants for a meaningful technology integration in education

Angola

+600 teachers

Bolivia

+200 000 students

Uruguay

+300 000 students

Portugal

+750 000 students
+160 000 teachers
+160 000 classrooms
+3 400 schools

A glance at our inspiring projects around the globe
LEARNING EVERYWHERE
our general vision of the project

Leadership & Policy
Technology Blueprint
Modern Teaching & Learning
Intelligent Environments
Deployment & Technical Support

ECONOMIC IMPACT • EDUCATIONAL IMPACT • POLITICAL IMPACT • SOCIAL IMPACT
We lead a worldwide transformation in Education

+16M students
+300K teachers capacitated
+20 large-scale projects
+100K schools equipped
+70 countries
Can you share two pieces of advice for the teachers who are struggling to make this transition in the middle of a school year?
Since Covid-19 outbreak what has your Company/Organization been doing to support the educational community to thrive in this sudden need to shift to remote learning?
What are the 2 biggest challenges considering remote learning or distance learning (as you prefer)? And what do we need to do to overcome it? choose the right device and good connectivity
When we talk about bringing technology into the educational experience, and especially in this atypical time we are living in, what types of solutions are the best fit ones?
In this context of Covid-19 pandemic, most teachers cannot fill up the entire school day with virtual instruction. So, want can parents, who are now more engaged than ever in their children’s journey, do to help fill this time void?
What kind of solutions does your Company provide to mitigate the challenge of not having the necessary technological equipment and/or a good internet connect that are essential to access online education?
Bringing meaningfully technology into education has been a hot topic for years and we do have a few good examples around the world, but it is evolving in different speeds. Do you foresee Covid-19 pandemic making online education more appealing and more palatable?
Do you think we can already unveil a few lessons from the coronavirus pandemic will shape the future of education?
Considering the current model of education – “one-to-many” - how can technology make the change – one-to-one? How can technology change the whole established paradigm and respond to the model of today's society, to the needs of the "native" generations of digital?
Has your company implemented any innovative solutions related to connectivity?
There's so many computers consuming a lot of bandwidth in updates to windows, office and applications that are deployed via intune. What alternatives, which do not involve additional hardware, exist to avoid so much bandwidth consumption.

Nicolas Parola  
*General Manager for the Plan Sarmiento*  
*Ministry of Education of Buenos Aires*
THANK YOU