

Centesimus Annus - Pro Pontifice Foundation Conference

Thursday 18 May 2017

10-MINUTE CARLO COMMENTARY - FINAL VERSION

1. INTRODUCTION: for everyone

- Thank you
- Today's topic is technology and jobs
- Both are inherently about people and about society
- I could go into numbers and research showing how technology can actually help create jobs
- But let me focus my short speech on people- because job creation is important to everyone
- We all benefit when opportunity - to get education, to get information, to get employment - is expanded to everyone
- The Internet offers an unprecedented chance to do exactly that - today, about half of the world's population is online (3 to 3,5 billion people) - by 2020, this will have grown to 5 billion, it grows fast!
- And at Google we believe there's a responsibility to realise the potential of the Web for *everyone* - no matter your background, no matter where you are in the world, no matter whether you're a farmer in Kenya, a student in Spain or a professor in the Vatican
- Because only then will more people in more places flourish and have a share of the opportunity technology and the Web offer.
- Some of the most advanced Internet use happens in Africa, where people access the Web through mobile - this allows for whole remote communities to have access to e.g. mobile banking services that previously were unavailable, or slow to develop due to efficiency of building their network, or use in agriculture.
 - *The leaps and bounds of internet growth in Africa also underlines the need to digital skills, something we're very aware of at Google. So far, we have provided free digital skills training to over 1M African people, and we're planning to continue and grow the programme in 2017*
- This is why we have a relentless focus on our mission: "organising the world's information and making it useful and accessible to everyone"

2. VALUES: access for everyone, building for everyone, offering education

- Executing this mission, which is focused on people first, then technology - is no small thing as you can imagine
- And **access for everyone, building for everyone** are values that are core to Google's business
- Google's CEO Sundar Pichai [has said](#): **knowledge is a game changer**. *The Internet opens the door to opportunity. It provides access to knowledge, no matter who you are or where you are - you have the same information at your fingertips as anyone else.*
- making information available to everyone, everywhere is **empowering and democratising**: it enables opportunities for education and jobs
 - **EXAMPLE:**
 - *In the summer of 2016, the world's attention was on Rio. It's a beautiful city, and a fantastic backdrop for the Olympic games.*
 - *But Rio has long suffered an accessibility problem: one in five residents lives in a favela, communities that have historically not been included on maps -- even to the point that many residences had no official addresses.*
 - *This meant that 1.4M people had no address to list on job applications, and had difficulty accessing essential services and exercising their basic rights as citizens.*
 - *So we teamed up with local NGOs to map the favelas and today street names in 26 of these communities now appear on Google Maps, with all the benefits that entails.*
- Bringing this a bit closer to home, let's look at how the Web can support education and job creation in Europe
- We are only **1%** on the way to how technology will transform how we live, learn & work

- Acceleration for the **next 99%** is coming into place with combination of **mobile + machine learning**
 - Mobile allows us to have ubiquitous access to information, to be connected no matter where - or when - we are (imagine use for health and remote information)
 - Machine learning enables us to continuously improve our products and services by resolving complex tasks such as simultaneous translation and education
- The good news is that the Internet creates jobs: **each high-tech job** in a local economy creates more than **four additional non-high tech jobs** in the same region. This includes workers of a variety of occupations, including lawyers, physicians, wait staff, taxi drivers, and school teachers
 - **ADDITIONAL FIGURES:**
 - *In 2014, 2.3 million jobs were generated by the mobile economy plus 1.5 million indirect jobs*
 - *The European Commission projected that by 2018, the entire apps sector will employ 4.8 million people and contribute €63 billion to the European economy*
 - *In 2015 there were at least 1.3 million mobile app developers in the EU28, equivalent to around 23% of the total global developer base*
- But to widen the opportunity to all, we need to make sure people acquire the right skills - not just for the few, the privileged, the fortunate, and the wealthy, but **for the many**
- according to the European Commission report, almost **half the EU population (47%) is not properly digitally skilled**, and in the near future, **90% of jobs will require some level of digital skills.**
- So how can we help?
- Take Non-profit organisation the [National Students' Academy \(NMA\)](#) in Lithuania, who offer additional learning in nine specialist areas to gifted high school students from across Lithuania. With Google's support, NMA teaches computer science to even more students - with increasing participation of women in particular
- In Ireland, the [Scoil Mhuire National School](#) have set up the first STEAM (Science, Technology, Engineering, Arts and Math) room of the country as a result of a Europe Code Week grant from Google, allowing kids to create their own coding games. It's now a template for Irish schools nation-wide
- And [Spanish Lara Martín](#) moves closer to her dream job as a fully fledged Android Developer, after graduating from Android Basics Nanodegree - one of the 10,000 Android Developer training scholarships offered across the EU. Lara now plans to build a complex weather app from scratch with her new-found skills
 - **ITALIAN EXAMPLE:**
 - *Crescere in Digitale is the result of a close partnership with the Italian Ministry of Labour with 3,000 internships available to young unemployed people to work with SMBs. Introducing Claudio to Luca as part of the programme has led to a tenfold increase in sales for Luca's business, Caffè Carbonelli*
 - *In Feb 2017, 504 young people finished their internships at digital companies as part of Google's "Crescere in Digitale" programme - 28% going on (job or new internship), 23% got a job, of whom 52% were hired by the hosting business*
- I can give you many more examples and numbers - but the crux of the matter is: everyone deserves to benefit from technology, so that you can start a business, launch the next big idea, or find opportunities to excel in what matters most to you.

3. CLOSING: diverse dialogue

- This equality of opportunity on the Web leads me to another important function that the Internet can - and should - perform
- Equality of opportunity means that people's backgrounds should not matter
- The Internet **enables people from completely different backgrounds all over the world to connect to each other, and exchange a diversity of opinions and ideas**
- **If you think about it the world wide web is the biggest opportunity of dialogue and communication that we humans ever had.... Lets use this wisely**
- As the World Wide Web Foundation said: "The Web, by connecting people, enables those with shared interests to exchange their resources independently of their respective locations."

- This **human global network** is an extraordinary opportunity to **interact, give, support, and innovate** - although not always without its own challenges as recent times have shown
- **Respectful and diverse dialogue** is crucial if we, together, want to make sure that everyone can make the most of the Web:
 - take care and listen to **different points of view**
 - form opinions based on **respect for different views** rather than imposing one's own point of view
 - Find the **common ground** that allows dialogue to improve our ability to relate to each other and to our environment - and most importantly, *learn* from each other
- These principles should be at the **basis of every interaction** - for the private and public sector, for technology players, for NGOs, for internet users - for all of us
- And Google's role is to keep developing and improving **tools that make this interaction easier** and this dialogue more equal (every voice to be heard) and more profound
- And we have a responsibility to **listen, learn, and earn your trust every day** – by empowering people, places, and communities with tools and skills that connect you to new ideas, new information, and new possibilities.
- The world we live in must be an open one. Technology should benefit all. Information should be free.
- **Together, I genuinely hope we're able to get to a better place, for everyone.**
- And I do not see how we can make a better world if not by helping humans become better through dialogue and connection with one another.
- Thank you.