









## Skills mismatch in LAC. Some Insights

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### The community of VET in LAC







# 1. Change, everything change....

"The problem is not in the new ideas, but in how to escape of the old ones"

J.M. Keynes



### Y a muy rápida velocidad....







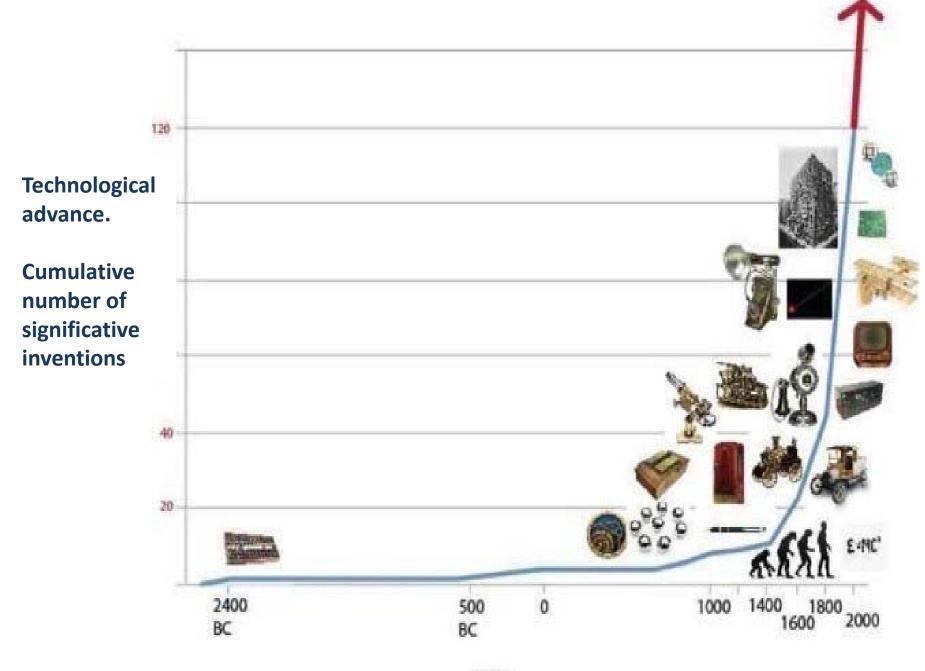






## Especialmente en las comunicaciones y manejo de datos.....





Time

### 2017 This Is What Happens In An Internet Minute





## Technological revolution and labour competencies



New production paradigm called Industry 4.0



Demand for new, advanced skills



Dynamic process of job creation and destruction

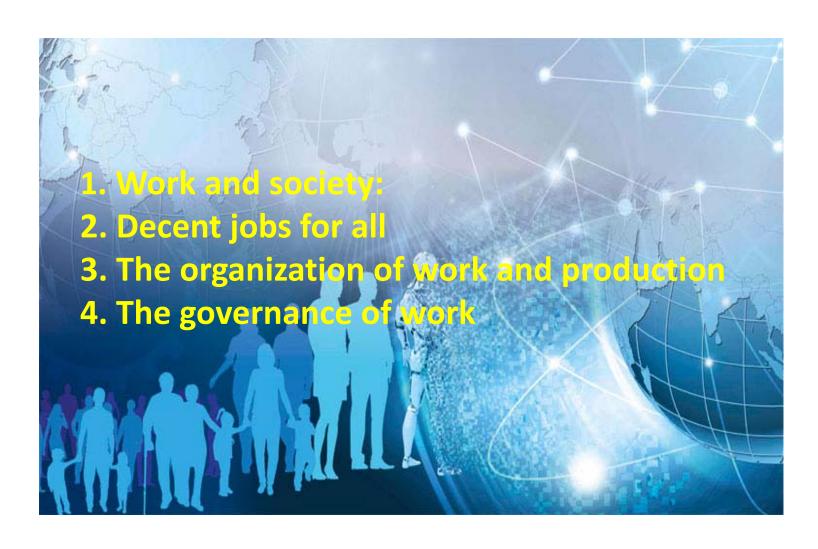


Increasing risk of greater inequality

**Human developement agenda** 



## OIT: Iniciativa relativa al futuro del trabajo

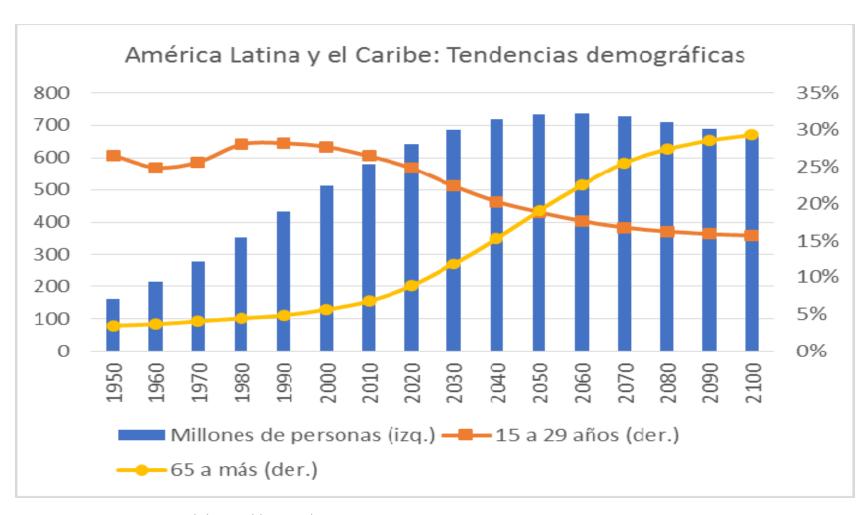




## 2. What talent do we have for the future....



### Share of the young population and the elderly in the total population 1950 a 2100

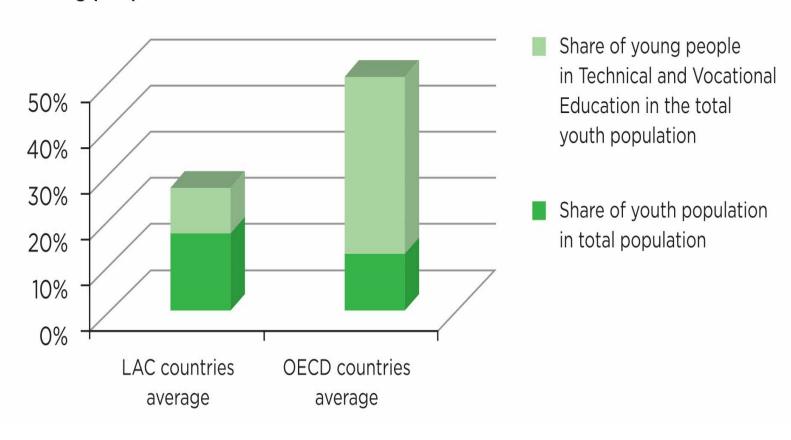


Source: Latin America and the Caribbean Labou Overview. ILO. 2016.



### Improve the attractiveness of VT

FIGURE 2: Young people in TVE in LAC and OECD countries





### Continuing to improve the quality and relevance of education.

- LAC has improved educational achievement indicators in the past two decades.
- 1990->2010:
  - Avg. Years of educ. 8.2 -> 10.2
  - Primary 95%
  - Secondary 73%
- However, the increase in coverage has not brought good news in terms of quality.

#### TABLE 2:

Percentage of students who do not reach the baseline level of proficiency (2) in PISA

Skill areas	LAC	OECD
Mathematics	63%	23%
Reading	45%	18%
Science	50%	23%

TERCE Test 2013	Level I and II
Mathematics	83%
Reading	61%
Science	79%



## Continuing to improve vocational training systems

#### TABLE 4:

#### A single gap through different perspectives

Study	Tipo Type of gap	Tipo Type of gap	
IDB <sup>50</sup>	Socioemotional Skills	Socioemotional Skills	
	Knowledge		8.7
	Specific	Specific	
World Bank	Inadequate training 2010	Inadequate training 2010	
CAF 2016	Enterprises that see education	LAC	34.0
	as an obstacle:	OECD	17.0
		All countries	22.0
Manpower Survey	Difficulty filling vacancies:	2013	39.0
		2014	48.0
		2015	42.0

Source: Prepared by the authors on the basis of the sources mentioned.



# 3. ¿And... what challenges do companies pose?



## The expectations of the new workers are different ....

- They do not look for life long employment
   ...they need to be attracted
- They perceived more value from work environment than from wages.
- They required flexibility: when, where and how they work.
- All of this change the structure of organizations and its culture of change.

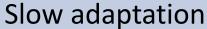


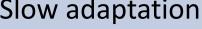
### And.... ¿How the organizations of the future looks like?



Big teams and buildings.

Teams working in "silos"





Departamenalized

innovation

Closed ecosystem



Hierarchic

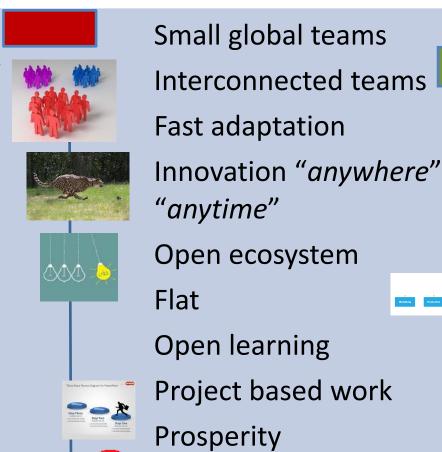
Corporate learning

Life long employment







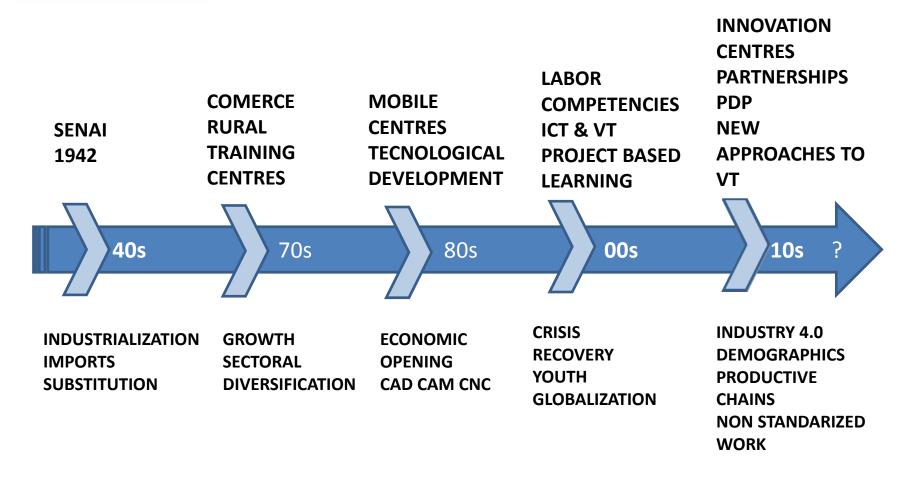




## 4. Then.... ¿How to teach and how to learn?



## Vocational Training: it's time for reinvention





## Lack of systems to improve the quality and relevance of VT



### **Disarticulated stages**



A "jungle" of qualifications



Heterogeneous quality



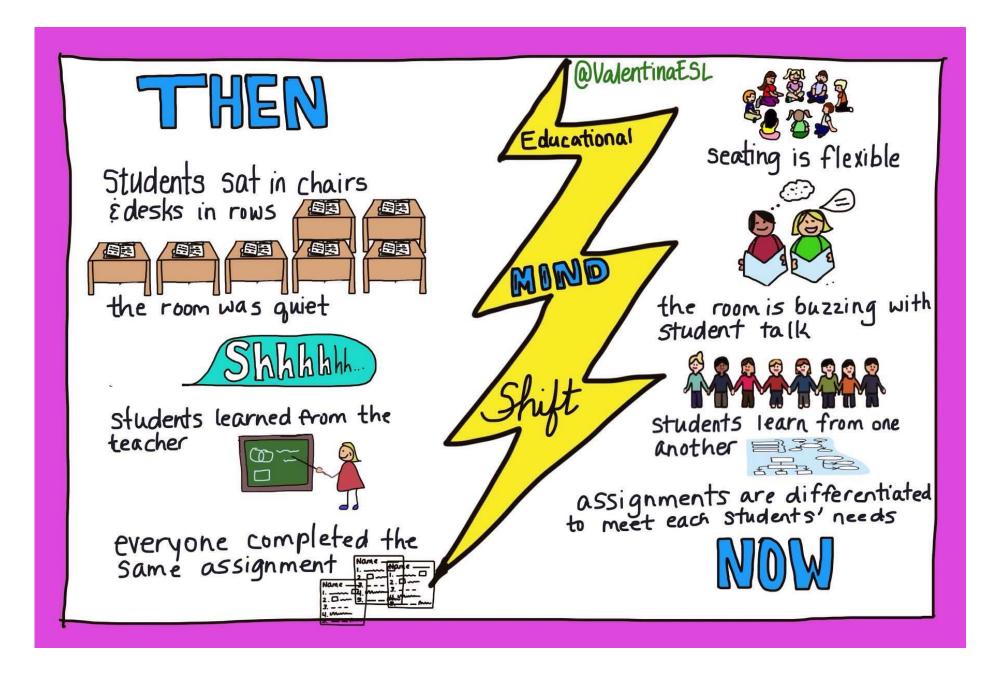
**Asymmetries and information failures** 



### **Socio-emotional skills**

ATC21s	F. Ayrton Senna	OCDE	U.E.
Ways of thinking: Creativity Innovation Critical thinking Problem solving Learn how to learn Decisions taking Ways to work: Communication Collaboration Team work Tools: ITC literacy Living at world: Local and global citizenship Life and career Social and individual responsibility	Set up and achieve goals Ability to pursue a goal, to plan, to be responsible, disciplined. Cooperation Act with altruism, tolerance, empathy, solidarity and team work. Opening to the new New experiences Taking risks Originality, Creativeness. Emotional stability Self control, anxiety, stress, self steam.	Creativity Innovation Critical thinking Solving problems Taking decisions Communication Collaboration Literacy ICT Research Digital citizenship Flexibility and adaptation Initiative and autonomy Leadership and responsibility	Communication in different languages Mathematics Science and technology Social skills Digital Skills Learn how to learn Initiative Entrepreneurship Cultural awareness

### How to teach and how to learn in the 21th Century?





## How to teach and how to learn in the 21th Century?

VT can become more attractive, oriented to the project based learning and increasing flexibility ...



### A new learning concept..





## The role of enterprises as learning places



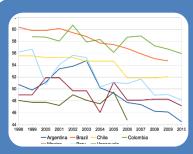
#### Learning at the workplace

- Human talent is a pillar of the sustainability of enterprises
- Enterprises are the best places to develop labor competencies



Regulations, operation and coverage of apprenticeship programmes in LAC are very heterogeneous

- Apprenticeship laws or standards in at least 17 countries
- Resurgence of Company-VTIs partnerships for Quality Apprenticeship



The proportion of participants in apprenticeship programmes in the region is significantly low

- New arrangements and incentives are needed
- New partnerships between enterprises and training institutions



## Learning environment is going to look like the work environment...













Organización Internacional del Trabajo

END