

# Fostering Local Creativity, New Partnerships & Business Models



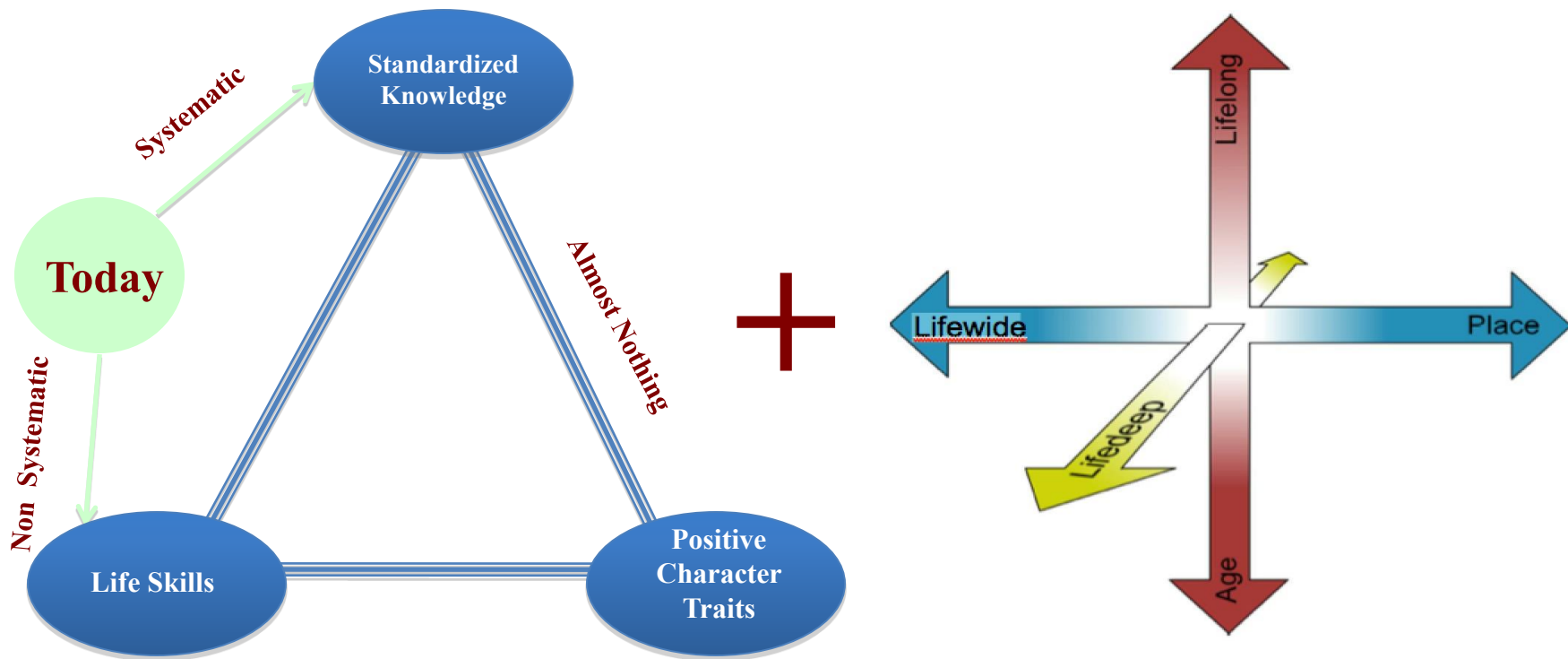
Alfonso Molina

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Professor of Technology Strategy University of Edinburgh

# Humanity Faces a World in Continuous Change and Crisis

# Need for an Education for Life

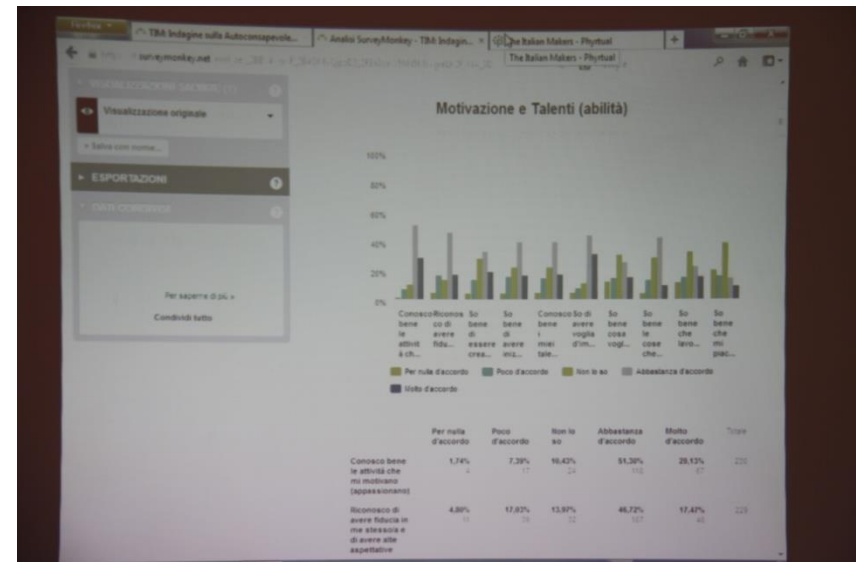


# phyrtual InnovationGym

## What It Is?

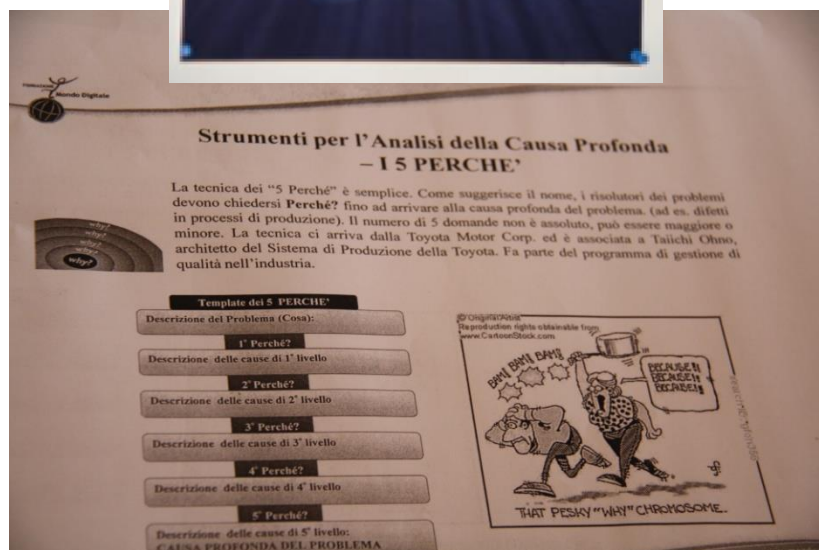
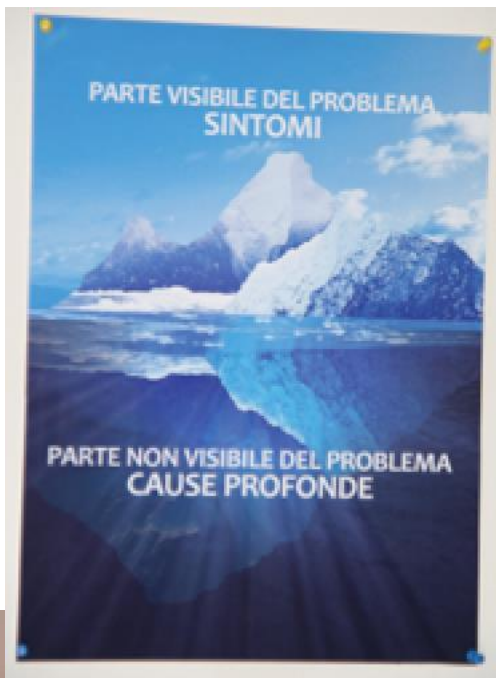
- a physical-virtual learning environment for problem-solving, open/social innovation and education for life
- a gym for the experiential learning and practice of innovation in all senses: technological, social and civic innovation;
- a space open to the territory, the school world, companies, universities, etc., where the collective energy and intelligence can be mobilized
- a place of encounter between traditional and new professions where the languages of fabrication (traditional and digital), experimentation and creativity converge to stimulate personal and professional growth, entrepreneurship, and the exercise of 21<sup>st</sup> century skills and fundamental values for responsible citizenship.

# Self-awareness (towards self-efficacy)





# Collaborative Problem Solving



# Lego Serious Play – Solution & Project Building



# Team-building and Leadership



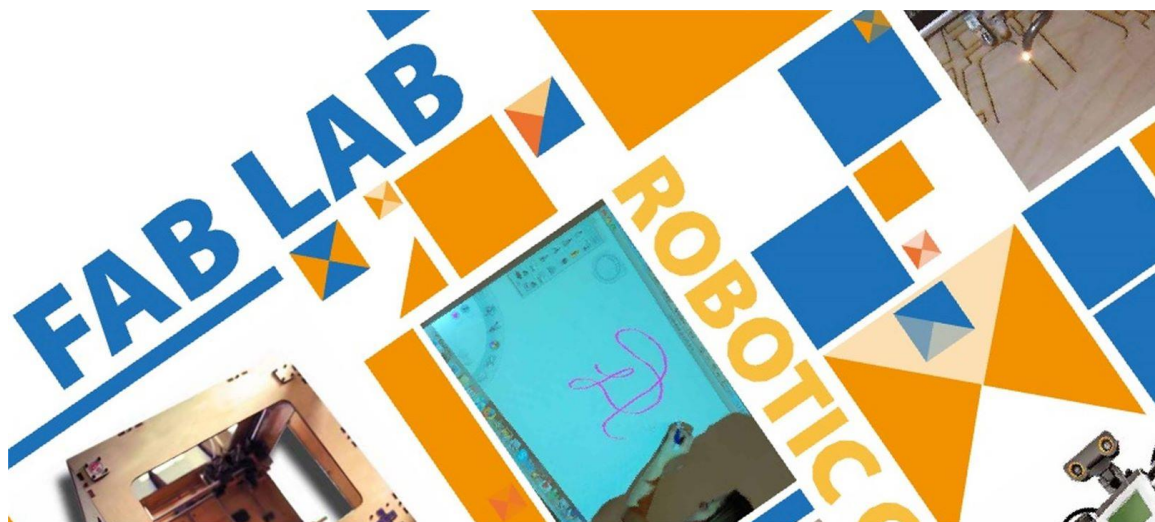
# Team-Building and Leadership



# Team-Building and Leadership







**FabLab**

**Robotics Centre**









# Robotics Centre



**Coming Soon:**

**Video Lab**

**Game Lab**

**Immersive VR Lab**

# Accumulated Knowledge and Wisdom





# The Territory Is Part of the InnovationGym



# European Project ComeON



FMD - Fondazione Mondo Digitale, Italia (capofila)  
UEDIN - University of Edinburgh, Regno Unito  
FUNDETEC Foundation, Spagna  
LUNARIA, Italia  
ISJI - School Inspectorate of Iasi County, Romania  
BCC - Budapest Cultural Centre, Ungheria  
ICDI - International Child Development Initiatives, Paesi Bassi  
-Intergenerational volunteering (young and older people) for social innovation



# Italian Project “The Italian Makers”



## **TIM - The Italian Makers (Problem-solving and Innovation)**

FMD, INAIL, CNA-Asq di Roma (National Confederation of Artisans and SMEs)

- 10 schools and 400 students from diverse provinces in the Lazio Region
- experts from the National Institute for Safety in Work (INAIL) and from the National Confederation of Artisans – Rome (CAN – Asq di Roma)
- 25 artisans from different trades

# Very Recent - Italian Ministry of Education Policy

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## LABORATORI PALESTRE D'INNOVAZIONE

### OBIETTIVO

Scriviamo la Guida ai Laboratori, per usarli meglio, riconvertirli e potenziarli acquistando le componenti più adeguate.

### DESCRIZIONE

Occorre trasformare e potenziare i laboratori di tutte le scuole superiori, anche attraverso l'acquisto di nuovi macchinari. Nel farlo, dobbiamo promuoverne una nuova interpretazione: i laboratori devono diventare da luogo dimostrativo a "palestre di innovazione". Occorre tener conto dell'evoluzione tecnologica (es. stampa 3D), ma allo stesso tempo costruire pacchetti di acquisto o riconversione per i laboratori modulabili sulla base delle diverse esigenze delle scuole, degli indirizzi di studio, dei territori e dell'evoluzione dei settori del Made in Italy. Occorre inoltre che ogni docente si senta pronto ad utilizzarli in modo efficace e competente.

### COORDINATO DA

Annunciato a breve | [palestredinnovazione@miur.it](mailto:palestredinnovazione@miur.it)



**Thanks!!**  
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