SYSTEMA
SUSTAINABLE DEVELOPMENT · SYSTEMS THINKING · DIGITAL TRANSFORMATION

FINAL CONFERENCE
ROME 30 MAY 2023, 9:30 h
CNEL - CONSIGLIO NAZIONALE DELL'ECONOMIA E DEL LAVORO
VIALE DAVID LUBIN, 2, 00196 ROMA RM

AIM OF THE PROJECT

SYSTEMA is a EU project Funded under the ERASMUS+ Programme, Key Action 2 – Strategic Partnerships (Agreement n°: 2020-1-IT02-KA204-080082)

The objective of the SYSTEMA project is to prepare and train in Systems Thinking the next generation of people that will become the trainers, managers and strategists of tomorrow and that will be increasingly needed in public and private organizations across Europe to cope with the important changes that are more and more needed in the face of global threats.

The Project has developed an Educational Program in favor of educators, managers and students, aimed at introducing a systemic perspective (through the Systems Thinking approach) in two important (and nowadays extremely "hot") topics like Digital Transformation and Sustainable Development.

PROGRAM KEYNOTES

✓ **INSTITUTIONAL GREETINGS**
Dr Renato Brunetta – President CNEL (TBC)

✓ **SYSTEMS THINKING**

- **THE UNPOSTPONABLE NEED FOR A SYSTEMIC PERSPECTIVE**
  Prof. Enrico Giovannini – ASVIS Scientific Director

- **MOVING BEYOND VALUE CONFLICTS OVER SUSTAINABILITY: SYSTEMS THINKING IN ACTION**
  Prof. Gerald Midgley – University of Hull

- **INTRODUCTION TO SYSTEMS THINKING**
  Prof. Stefano Armenia - SYDIC

✓ **SUSTAINABLE DEVELOPMENT**

- **THE RELATION BETWEEN SYSTEMS THINKING AND SUSTAINABLE DEVELOPMENT**
  Miss Guia Bianchi – JRC Seville

- **THE RELATION BETWEEN SYSTEMS THINKING AND DIGITAL TRANSFORMATION AND SUSTAINABLE DEVELOPMENT**
  Dr Erik Pruyt – Center for Policy Exploration Analysis and Simulation [PEAS] Center

✓ **DIGITAL TRANSFORMATION**

- **STATE OF THE DIGITAL TRANSITION IN ITALY AND EUROPE**
  Prof. Alessandro Musumeci – Dipartimento per la Trasformazione Digitale - Presidenza del Consiglio

- **TECHNOLOGICAL AND ORGANISATIONAL IMPACTS IN THE PUBLIC DIGITAL TRANSITION**
  Ing. Mario Nobile – AGID

✓ **ROUND TABLE**
Moderates: Ugo Bardi – Club of Rome and University of Florence

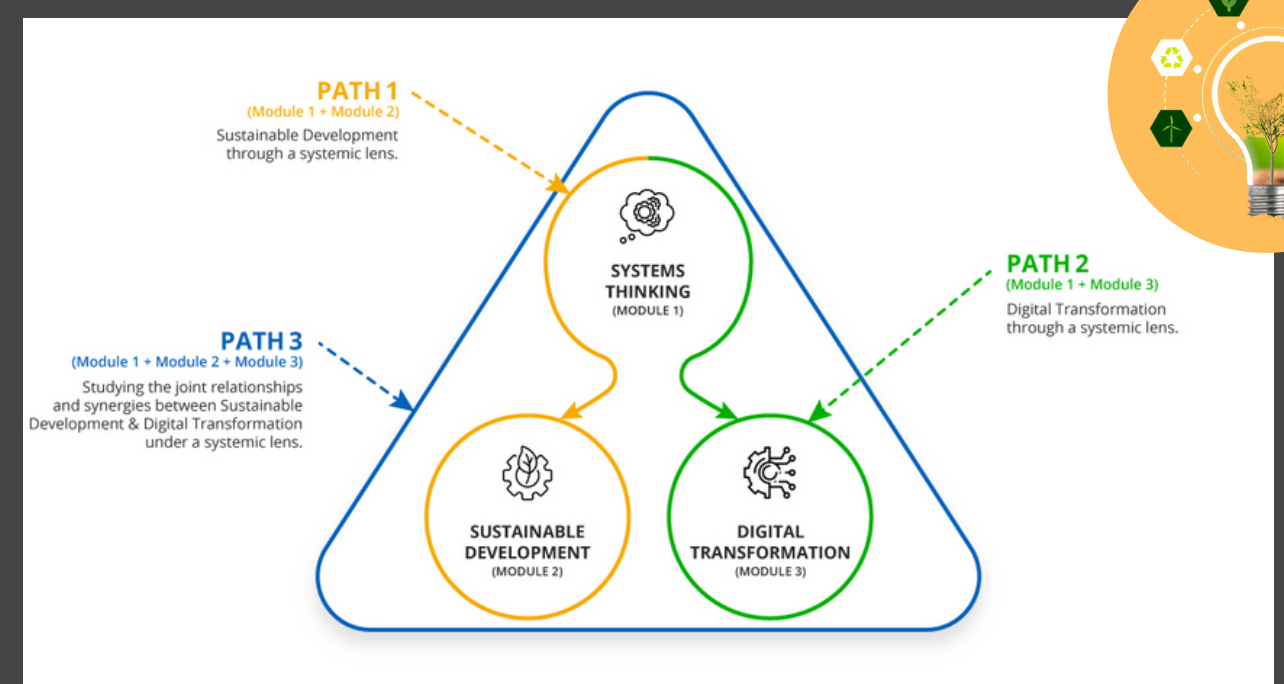**REFLECTIONS ON THE MESSAGE FROM THE PROJECT**

SPEAKERS:

- Eng. Maria Chiara Pettenati – INDIRE
- Prof. Michela Gallo – ReteRUS
- Dr. Gianfranco Bologna – WWF Italia
- Dr. Mariana Mirabile – OCSE

ABOUT SYSTEM THINKING

The need for Systems Thinking is becoming clearer and clearer every day. In fact, such a perspective will allow addressing the complex, interdependent and dynamic issues happening not only inside each of these two subjects but also across them! Indeed, one cannot successfully transform an organization without rethinking how business/services are offered in a digital way on a daily basis: in other words, organizations do not only need to be digitally redesigned internally but also in the way they interact with their external stakeholders (providers, customers, context, environment, etc.). And you can't conceive digital transformation without accounting for organizational and business changes that are sustainable for the organization AND for the environment.

Systems Thinking is the lens of intelligent organizations that need to design their digital transition and organizational change inside a global process that accounts for sustainable development!

By acquiring Systems Thinking and System Dynamics skills, attendees of the SYSTEMA educational paths will thus be able to think differently and out of "pre-cooked" and mainstream thinking schemes, hence being able to fully consider problems before urging conclusions. They will be able to answer the right questions rather than provide the right answers to the wrong questions! And they will be able to apply such a new and innovative thinking scheme vertically to Sustainable Development issues as well as to Digital Transformation ones, two fundamental topics that nowadays are deeply connected and are characterizing the development and change of modern and intelligent organizations.

PATH 1 (Module 1 + Module 2) Sustainable Development through a systemic lens.
PATH 2 (Module 1 + Module 3) Digital Transformation through a systemic lens.
PATH 3 (Module 1 + Module 2 + Module 3) Studying the joint relationships and synergies between Sustainable Development & Digital Transformation under a systemic lens.
SYSTEMS THINKING (MODULE 1)
SUSTAINABLE DEVELOPMENT (MODULE 2)
DIGITAL TRANSFORMATION (MODULE 3)

PROJECT CONSORTIUM

- SYDIC: https://www.systemdynamics.it/
- INTELLEGERE: https://www.intellegere.it/
- University of Macedonia: https://www.uom.gr/en
- OLUS: https://www.olus.education/
- CSICY: https://csicy.com/
- KOMPASS: https://www.kompassfrankfurt.de/en/
- ASVIS: https://asvis.it/

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