



giocare per prepararsi alle sfide di una società sostenibile

WORKSHOP CHANGE GAME

May 19-20, 2025

ECT*, Trento

Strada delle Tabarelle 286, Villazzano, Trento

CHANGE the GAME

Playing to get ready for the challenges of a sustainable society

In the framework of the CNR CHANGEGAME project, serious games are created with the aim of promoting knowledge among young people on frontier research topics and increasing their awareness on challenges of current and future relevance, such as sustainability, circular economy, climate change, biomedicine, new technologies. Thanks to a playful approach, in which educational and didactic objectives are integrated into the subject and the rules of the game, players have the opportunity to acquire skills on complex topics, through emotional, cognitive and sensorial involvement, which contributes effectively and positively to the learning process.

PROGRAM

Aula Leonardi | Villa Tambosi

Monday, May 19, 2025

project meeting (restricted)
12:00 arrival and lunch
14:30-16:30 meeting
16:30-17:00 coffee break
17:00-19:00 meeting
20:00 dinner

Tuesday, May 20, 2025

event open to the public
9:00-11:30 serious game exhibit
and coffee break
13:00 lunch
15:00-17:30 discussion and conclusions

SERIOUS GAME EXHIBIT

ECT* | Tuesday, May 20, 2025

9:00 | Aula Leonardi

Armida Torreggiani
CNR-ISOF, Bologna

Presentation of the CNR project
CHANGEGAME

9:30-11:30 | Villa Tambosi

SERIOUS GAME EXHIBIT



EDUCATIONAL GAMES

Ciboquest	RawSeekers
EcoCEO	Mendeleev's World
TiONbOLA	Rock Game
Recycling Game	Mendeleev's Garden
The Crystal Lake's Mystery	CorTextile
Fibers' Domino	Capture the fiber
Memory of the fibers	Experiments
Material Science Kit	Serpenteleev
Robot for sorting mosaic tiles	Robot LEGO®
Chemistry and books	Solid Oxide Fuel Cells: the puzzle
New materials from waste	Crystal Game
Thymio (NESTT)	Unlocking the genetic code: from DNA to vaccine
DNA Match: Find the Perfect Set!	QUANTO
Interactive Tools for Quantum Science	

We thank FBK|ECT* for hospitality and support

Organization:

Chiara Menotti (CNR-INO BEC, Trento)
Alessio Recati (CNR-INO BEC, Trento)
Armida Torreggiani (CNR-ISOF, Bologna)



SERIOUS GAME EXHIBIT

ECT* | Trento, May 20, 2025

EDUCATIONAL GAMES	
Armida Torreggiani, Alberto Zanelli, Giacomo Bianchin, Emanuela Saracino, Eleonora Polo	FoodQuest - Climb the Food Pyramid!
Armida Torreggiani, Alberto Zanelli, Caterina Cinti	EcoCEO - It's your business
Armida Torreggiani, Marco Simonetti, Alberto Zanelli	RawSeekers – Control raw materials, dominate strategic technology!
Giacomo Bianchin, Armida Torreggiani, Alberto Zanelli, Lorenzo Forini	Mendeleev’s World
Armida Torreggiani e Alberto Zanelli	TiONbOLa
Armida Torreggiani, Renata Lapiska-Viola, Servizio Geologico della Slovenia	Rock Game
Alberto Zanelli, Eleonora Polo, Armida Torreggiani	Recycling Game
Alessandro Galenda, Alessia Famengo	Mendeleev’s Garden - discovering the Earth’ and Universe’ Elements
Denise Galante, Ilaria Schizzi, Michela Tassistro	The Crystal Lake’s Mystery
Cinzia Tonetti, Maria Laura Tummino, Alessio Varesano, Claudia Vineis	CorTextile
Cinzia Tonetti, Maria Laura Tummino, Alessio Varesano, Claudia Vineis	Fibers’ Domino
Alessio Varesano, Claudia Vineis	Capture the fiber
Cinzia Tonetti, Maria Laura Tummino, Alessio Varesano, Claudia Vineis	Memory of the fibers
Roberta Peila, Cinzia Tonetti, Maria Laura Tummino, Alessio Varesano, Claudia Vineis	Experiments
Valentina Biasini, Pietro Galizia	Material Science Classroom Kit
Pietro Galizia	Snakeleev: Learning Chemical Elements with Classic Snake
Pietro Galizia, Valentina Biasini, Sabrina Gualtieri	Robot for sorting mosaic tile scraps by color
Andrea Ienco, Bruno Tiribilli	Using Programmable LEGO® Robot for building prototypes and scientific laboratory instrument replicas
Francesca Deganello, Maria Luisa Testa, Marco Russo, Chiara Aliotta, Chiara D’Errico, Andrea Ienco, Valentina Grasso	Chemistry and books
Francesca Deganello, Maria Luisa Testa, Marco Russo, Chiara Aliotta	Solid Oxide Fuel Cells: the puzzle
Francesca Deganello, Maria Luisa Testa, Marco Russo, Chiara Aliotta	New materials from waste
Alessandra Vitanza, Federica Morleo	Narrative and Emotional Skill Training with Thymio (NESTT)
Aurelia Falcicchio	Crystal Game: Learning Crystallography Made Easy
Teresa Colombo, Giovanna Costanzo	DNA Match: Find the Perfect Set!
Daniela Fioretti, Fabio Chiarello, Sandra Iurescia	Unlocking the genetic code: from DNA to vaccine
Chiara Menotti, Alessio Recati	Interactive Tools for Quantum Science
Chiara Menotti, Alessio Recati	QUANTO: a simple and engaging game with qubits and quantum gates