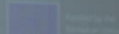
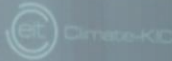


The Young Innovators programme

A programme aimed to introduce a systems innovation approach to 12 to 18-year-olds to systems thinking and complex problem-solving towards tackling climate change challenges through workshops, visual tools, challenge-based learning and a well-researched innovative methodology

Young Innovators



Τι είναι η κλιματική αλλαγή;

Σάρα Μαριζα Βρυωνίδη – Θωμάς Καλπάκογλου

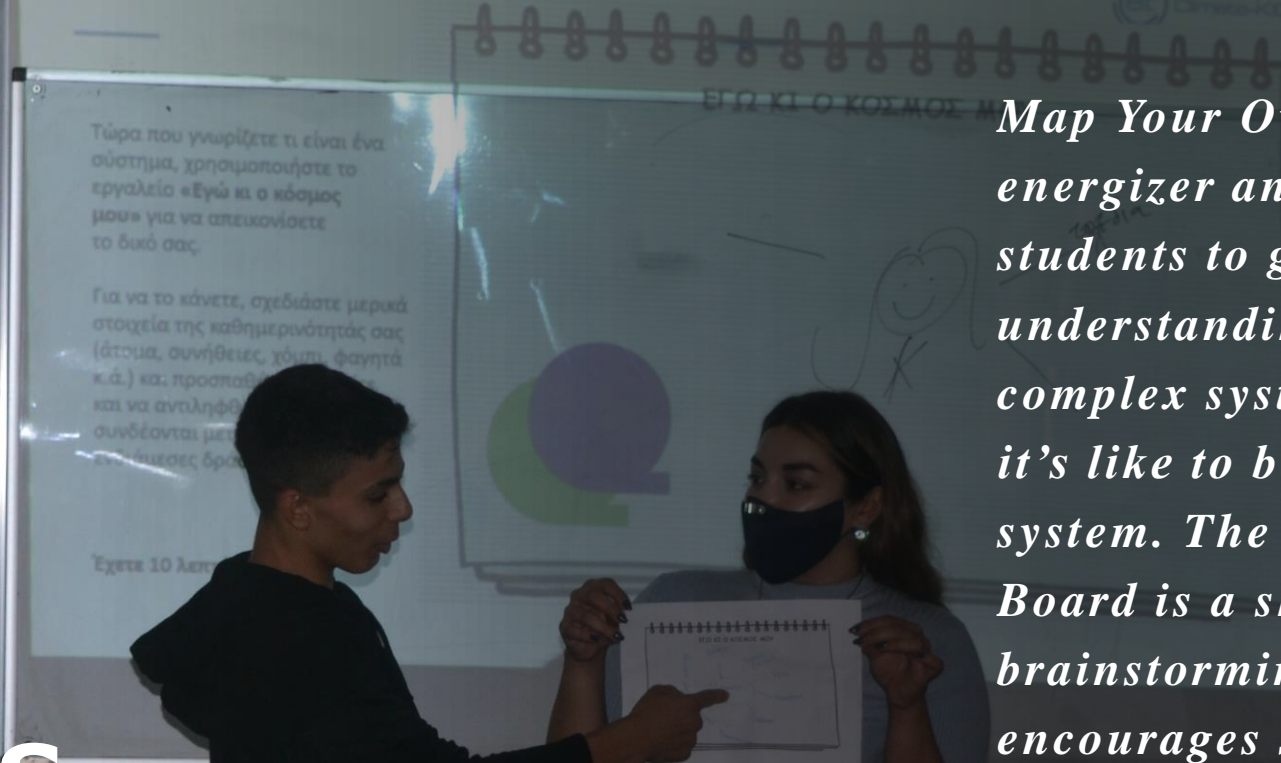


ΤΙ ΕΙΝΑΙ ΚΛΙΜΑΤΙΚΗ ΑΛΛΑΓΗ;

Introduction

The Young Innovators programme is developed to empower secondary students in tackling real and local climate challenges such as urban mobility, energy, food and other sustainable development issues. This, combined with a system innovation approach, will help young people develop the skills and mental models needed to better understand the world and its complexity, allowing them to become agents of change of their communities. The visual tools contained in this booklet have been designed by the Young Innovator's learning designers to support teachers/educators and ultimately 12–18-year-old students in this process of making sense of complexity and coming up with innovative ideas and solutions to real climate change challenges. The tools offer a revised version of the former Young Innovator's toolbox, which were developed by Climate-KIC's Transition Hub. The visual tools presented combine design thinking techniques with system thinking principles; they are iterative and adaptable and can be modified as long as the internal logic is kept. They are designed to help students engage different perspectives, build relationships and seek ways to improve and thrive. Furthermore, they allow for effective collaborative teamwork and boost the development of a shared narrative.

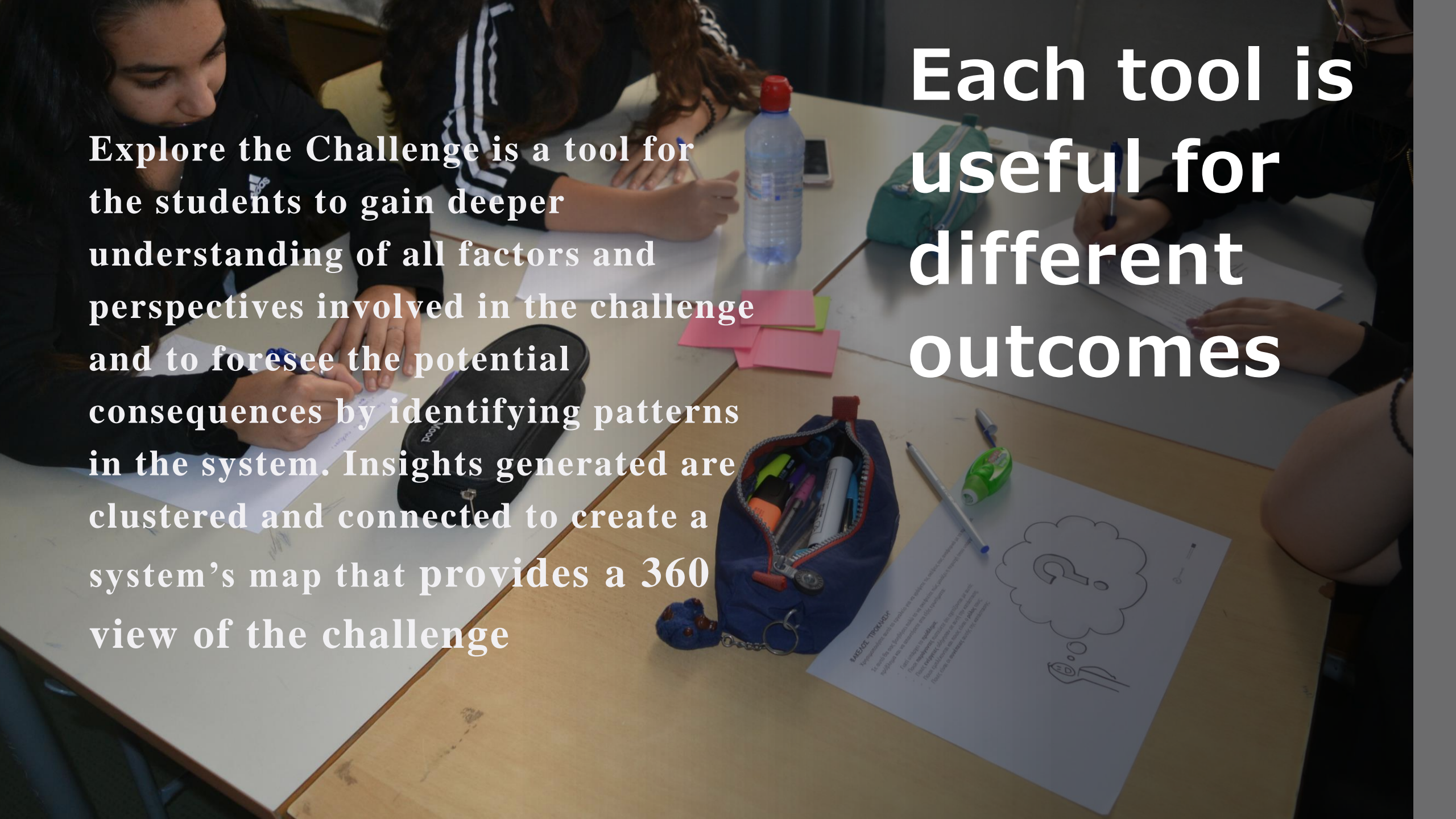
Each tool is
useful for
different
outcomes

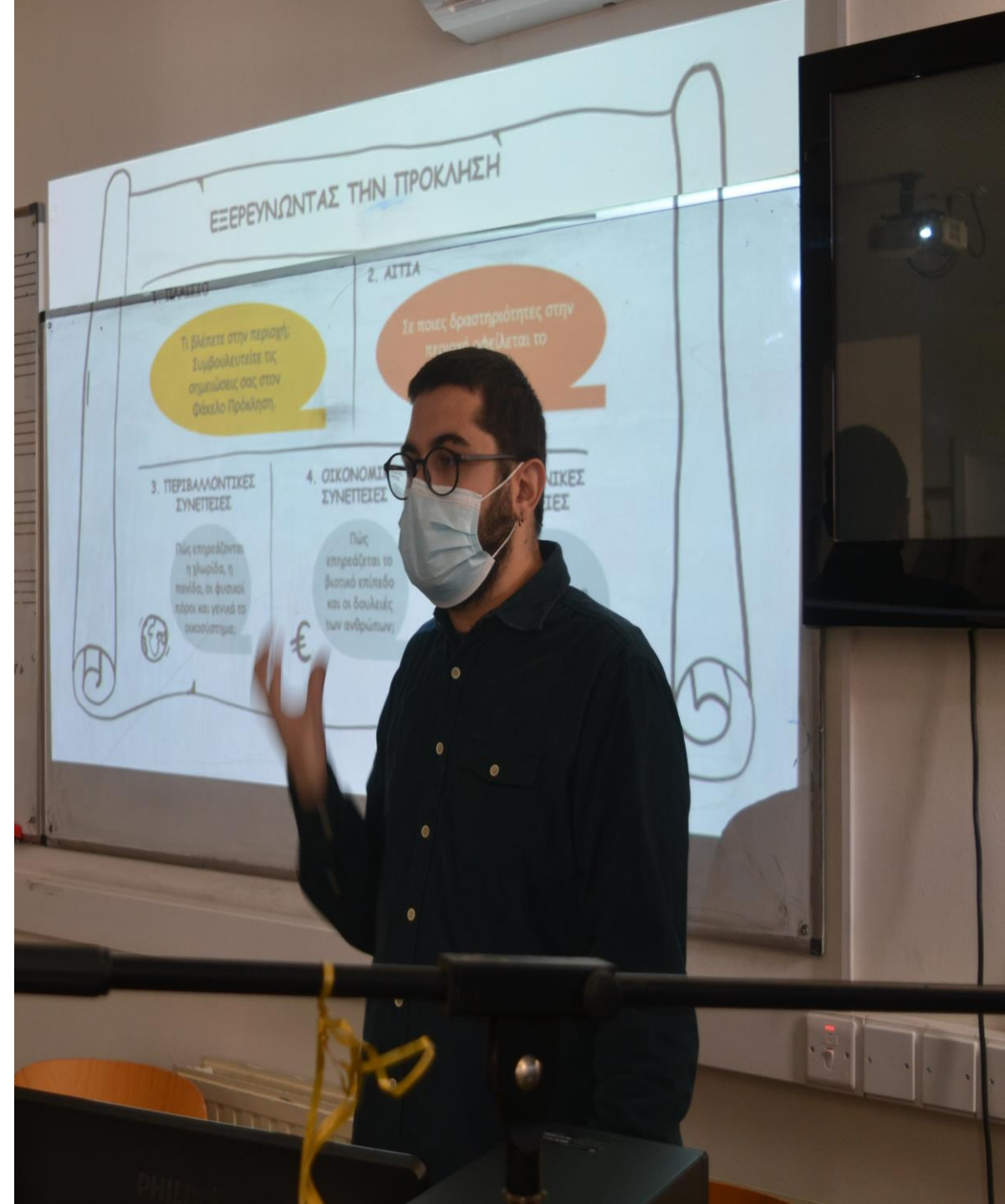
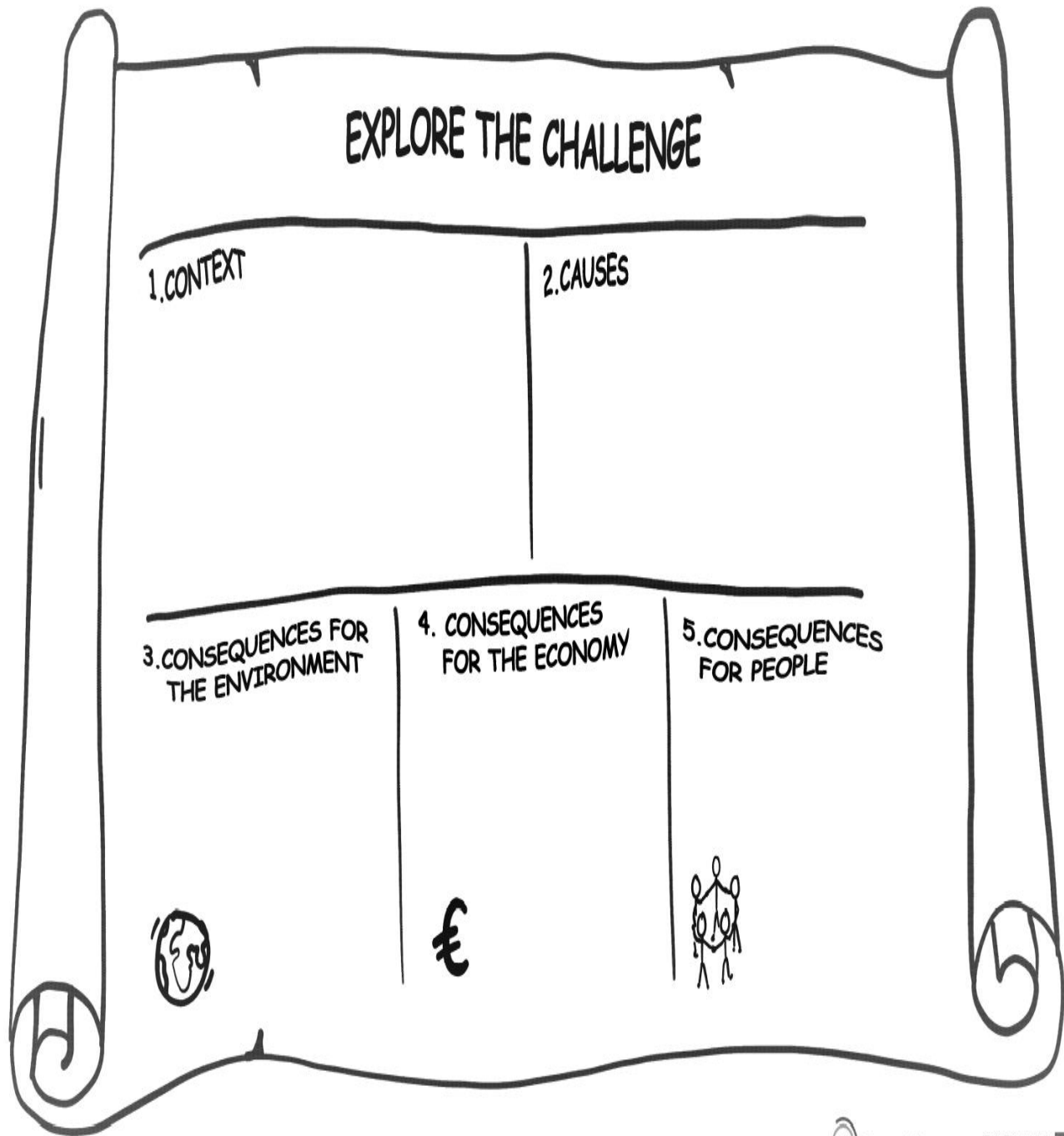


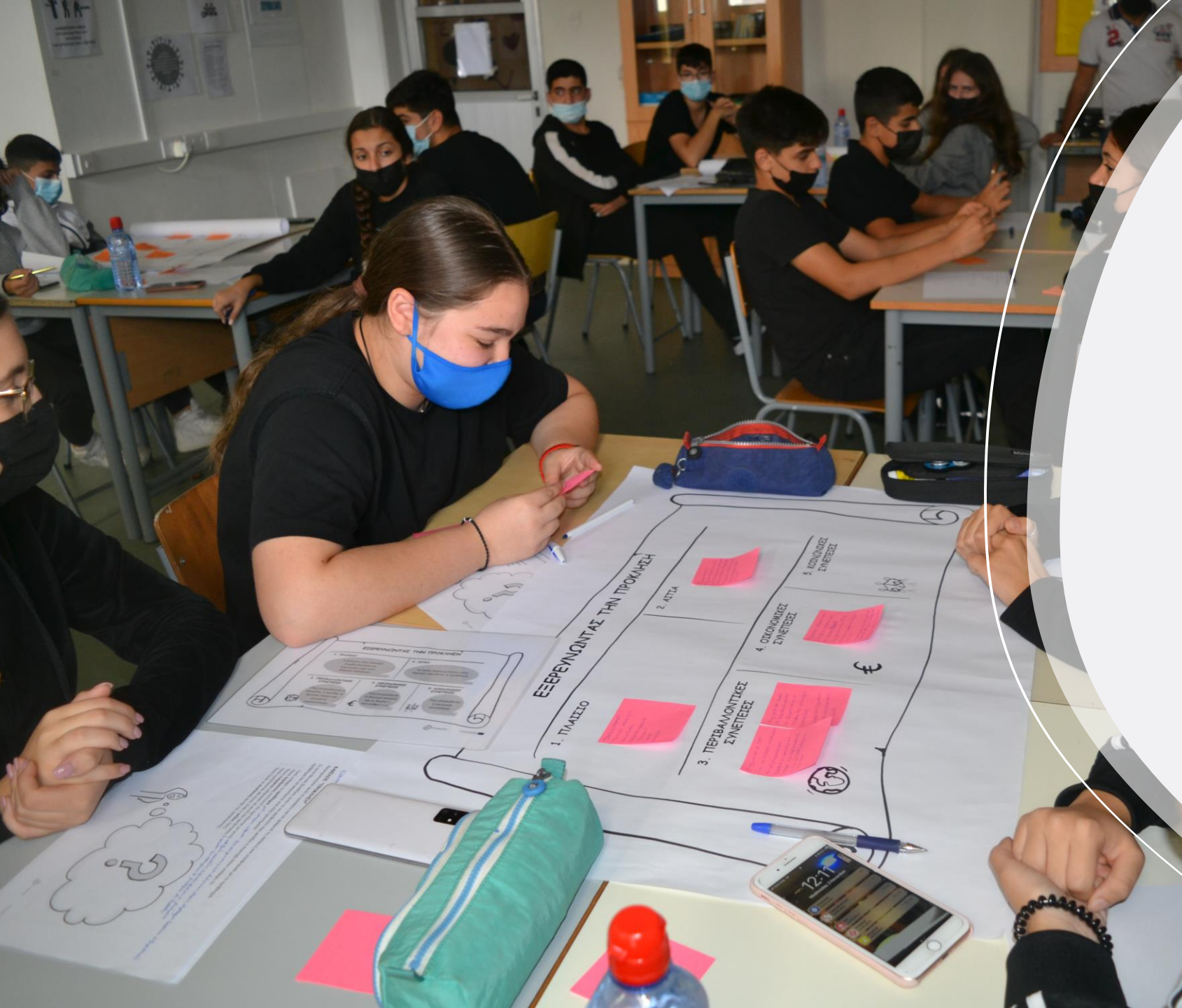
Map Your Own Life works as energizer and allows students to get a basic understanding of what a complex system is and what it's like to be part of a system. The Challenge Board is a short brainstorming exercise that encourages students to rapidly think of as many relevant factors as possible for the challenge at hand. It also provides the opportunity for some independent research to uncover new information.

Explore the Challenge is a tool for the students to gain deeper understanding of all factors and perspectives involved in the challenge and to foresee the potential consequences by identifying patterns in the system. Insights generated are clustered and connected to create a system's map that provides a 360 view of the challenge

Each tool is useful for different outcomes







Navigating the Challenge Path helps to change the focus from problems to opportunities (trends or issues) to improve the (system's) challenge. Students reflect on how external factors can influence their challenge paths and how these could either be barriers (anchors) or enablers (wind in the sails) in their search for a solution. Cover Story is a very dynamic tool that ignites all the imagination and creativity of the students. They are encouraged to travel into a future in which their innovative idea has become a solution with a highly positive impact to share with the world.

NAVIGATING THE CHALLENGE PATH

