



Application for the Development of a Green and Smart City

“Cities Going Green” at a Glance

Environmental sustainability is constantly under threat. One of the most effective ways to address this threat is to teach the importance of an active stance toward environmental protection to children at a young age. This is what the European project “Cities Going Green” aims to achieve.

Aim

The ultimate goal of Cities Going Green: Application for the Development of a Green and Smart City (Erasmus+, KA2, 2021) is to cultivate environmental consciousness to pupils at the ages 10-12, through environmental education, STEM education and gamification.

The project aims at the development of a gaming app, available for PC/laptops and mobile devices, where children will have the opportunity to build their own “Green and Smart Cities”.

Main Objectives

1. To cultivate environmental consciousness to pupils, along with other transversal skills and competences.
2. To develop a theoretical framework upon which the cultivation of environmental consciousness to primary school pupils of age 10-12 will be based
3. To engage pupils with STEM education and to develop key skills of pupils through STEM
4. To design a state-of-the-art game that will combine Environmental Education, Gamification and STEM Education

Main Results

1. Aggregate Report on Desk Research and Field Research (Focus Groups) on Green Practices
2. Theoretical Framework of the “Cities Going Green” App
3. Learning Outcomes for each Level of the “Cities Going Green” App
4. Game Design: Composition of Building Blocks, Topics, Decision Points, Rules and Points System
5. “Cities Going Green” App

Main Activities

1. Implementation of Desk Research on Green Practices
2. Implementation of Focus Groups with Teachers, Pupils and Experts on Green Practices and the Level of Awareness of Pupils at Ages 10-12 of this Topic
3. Design of the Gamification System
4. Composition of the Gameplay
5. Development of the Beta Version of the “Cities Going Green” App
6. Implementation of Online Class for Teachers on the Use of the “Cities Going Green” App
7. Pilot Testing of the “Cities Going Green” App by Pupils in two Phases
8. Finalisation of the “Cities Going Green” App



Coordinator:



Partners:



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