

From Design to Practice: Implementing the ALPER-EU Agile Programming Framework in School Environments

Systemic Integration: Embedding Agile Philosophy into the Greek Educational Landscape

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Institute of Educational Policy

The Vision: Beyond Tools to a New Mindset



The Philosophy: Agile is not just about coding; it's about a culture of flexibility, iterative growth, and collaborative problem-solving.



The Challenge: How can we move from a fixed curriculum to an "Agile" learning environment?



Strategic Goal: Using ALPER-EU as a pilot to introduce modern workflow methodologies into everyday school life.

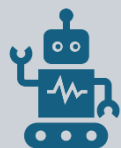
Strategic Alignment & Digital Transformation



The Vehicle: Integrating ALPER-EU's philosophy through the **New National Curricula** and the **Skills Labs** of the Greek Educational System.



The Multiple Textbook Approach: Moving from a static tool to a **dynamic learning environment**, fully aligned with the New Curricula and enriched with digital resources.



Technological Infrastructure: Leveraging the installation of **interactive learning systems** and **robotics kits** in all Greek schools.



IEP's Contribution: Providing specialized teacher guides to strengthen student engagement with Science/Technology and support **differentiated instruction**.

IEP as a Catalyst for Large-Scale Transformation



Massive Professional Development: Within the **SUB8 framework**, 155,000 general and special education teachers are being trained in new pedagogical, technological, and instructional skills.



ALPER-EU Training Synergy: Utilizing the "**Teachers Training and Evaluation**" work package to gather evidence on how Agile methodologies enhance soft skills.



Role Shift: Empowering educators to act as "**Facilitators**" and "**Scrum Masters**", ensuring that Agile principles become a systemic practice in the modern classroom.

Implementation: The "Agile" Classroom in Action



Active Learning: Students working in autonomous teams, managing their own "Sprints," and learning through constant feedback.



Holistic Skills: Beyond digital literacy, we focus on adaptability, critical thinking, and social responsibility—core pillars of the Greek educational reform.



Sustainability: Designing the ALPER-EU framework so it can be naturally absorbed by existing school structures.

Conclusions - A Future-Ready System



Final Message: We are not just teaching programming; we are building a resilient educational system that can adapt to an ever-changing world.



Our Commitment: To transform the "Agile" philosophy into a lasting educational reality.

Thank you