

## **Erasmus+ Structured Course: “AI for Green Education”**

Dates: 17–23 July 2025

Location: Barcelona, Spain

Organized by: Alpha Centre (OID: 10219755)

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### **Course Summary**

This 7-day course empowers educators to integrate Artificial Intelligence (AI) and Office365 AI tools into environmental and sustainability education. Participants will explore how digital tools can support green teaching practices, reduce carbon footprints, and promote sustainable behaviors in schools. The course includes hands-on sessions, collaborative projects, and practical tools aligned with Erasmus+ priorities for digital transformation and environmental sustainability.

### **Learning Outcomes**

Participants will:

- Understand AI and Office365 tools in the context of sustainability.
- Design AI-assisted and Office365-supported green projects.
- Promote eco-friendly digital practices in schools.
- Use digital tools for collaboration, assessment, and resource management.
- Ensure ethical and inclusive use of technology in education.

### **Course Programme**

#### **Day 1: Welcome & Introduction to Green Digital Transformation**

14:00 – 16:30

- Welcome, ice-breaking, and course overview
- Introduction to AI and Office365 for sustainability
- Exploring the EU Green Deal and Digital Education Action Plan
- Group activity: “Green AI in My Classroom”

#### **Day 2: AI & Office365 Tools for Environmental Awareness**

10:45 – 12:30 | 14:00 – 17:00

- Visualizing climate data with AI and Office365
- Teaching biodiversity and recycling with digital tools
- Workshop: Creating eco-themed lessons using AI and PowerPoint
- Group activity: Designing a digital eco-awareness campaign using Teams and Forms

### **Day 3: Early Childhood & Collaborative Green Learning**

10:45 – 12:30 | 14:00 – 17:00

- AI storytelling and eco-games for young learners
- Using Class Notebook and OneNote for collaborative green learning
- Workshop: “Planning a Green School Day” with Teams
- Sharing session: Green learning in early years

### **Day 4: Smart Schools & Resource Management**

10:45 – 12:30 | 14:00 – 17:00

- AI for energy monitoring and waste reduction
- Using SharePoint and OneDrive for digital sustainability
- Workshop: “Smart Green School” project planning
- Case studies and school visit: Best practices in green digital schools

### **Day 5: Project-Based Learning & Digital Assessment**

10:45 – 12:30 | 14:00 – 17:00

- Designing interdisciplinary green projects using AI and Office365
- Using Forms for paperless assessments and eco-themed quizzes
- Workshop: Inclusive and accessible digital education (Immersive Reader, Translator)
- Peer feedback and improvement session

### **Day 6: Ethics, Planning & Collaboration Tools**

10:00 – 12:30 | 14:00 – 17:00

- Ethical use of AI and digital tools in education
- Using MS Planner, Calendar, and Edu Staff Notebook for green project management
- Hands-on: Office Lens for digitizing paper-based resources
- Group discussion: “Balancing AI Innovation and Nature”

### **Day 7: Final Presentations & Networking**

9:00 – 12:00

- Finalizing your AI Green Education Action Plan
- Presentations and peer feedback
- Certification ceremony and course wrap-up
- Networking and future Erasmus+ collaboration opportunities