



STEAMBRACE

STEAMBRACE STEAM Week Blueprint

A comprehensive operational and pedagogical plan for implementing the pilot European STEAM Week, scheduled for February 16-22, 2026. This initiative mobilizes educational institutions, cultural stakeholders, and civil society across 7 countries to foster inclusive, creative STEM education through artistic integration.

European Policy Context

Strategic Alignment

The STEAM Week aligns with the European Education Area and 2024-2029 Strategic Agenda, emphasizing pedagogical innovation, equity, and sustainability.

- Council Recommendation on Key Enabling Factors (2022)
- Paris Declaration on Education, Youth and Democracy (2022)
- European Green Deal commitments

Transformative Education

The STEAM model integrates scientific and humanistic knowledge, fostering critical thinking, creativity, and collaborative problem-solving to address global challenges like climate change and gender equality.



Project Objectives



Scale & Reach

Engage 4,000+ students aged 11-18 across 5 EU and 2 non-EU countries, involving 18+ schools with 100+ students per country.



Gender Balance

Achieve at least 50% female participation among students and educators, promoting gender equity in STEM fields.



Cross-Sector Synergies

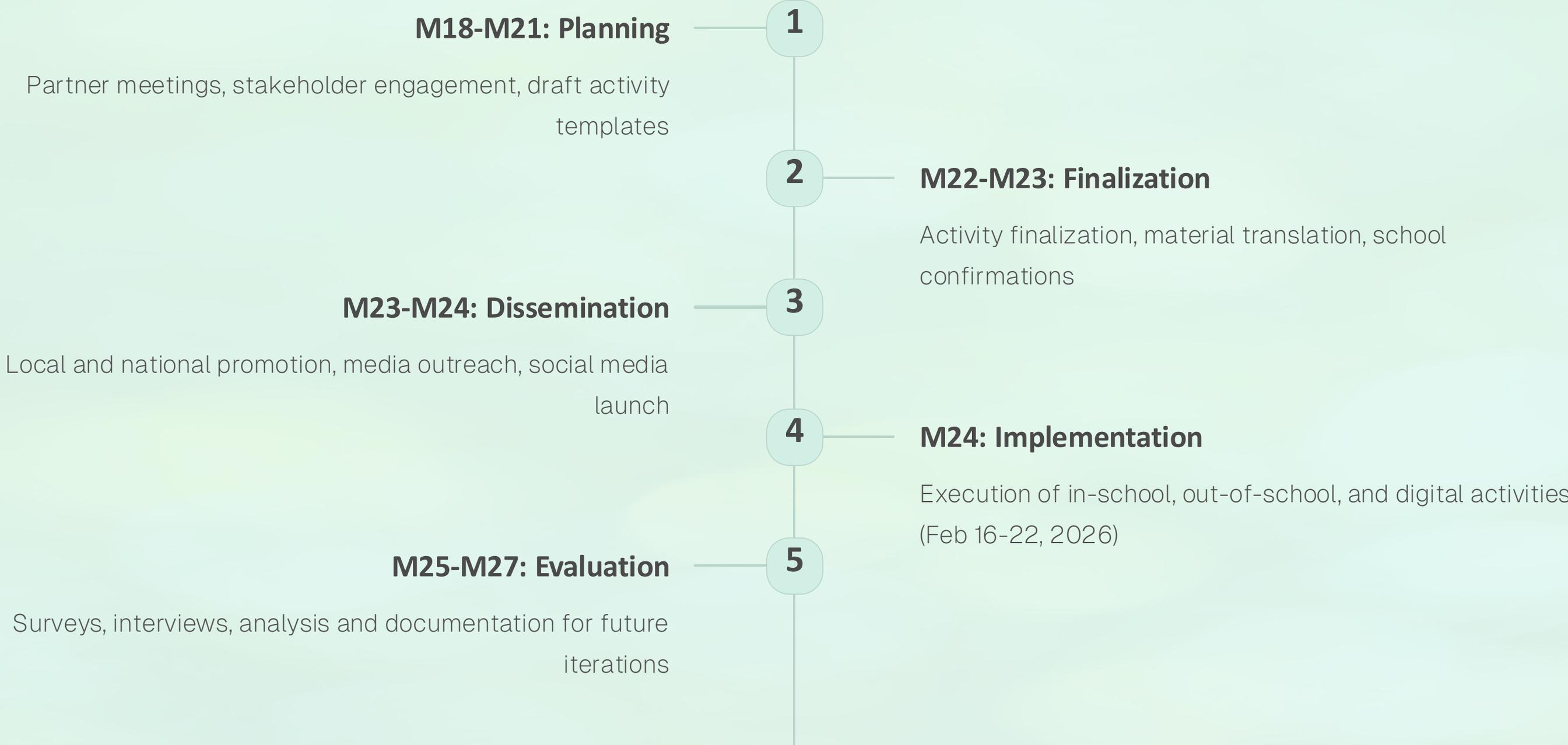
Create partnerships between formal education institutions and stakeholders from arts, research, and innovation communities.



Innovation

Pilot and evaluate 60+ innovative STEAM learning activities co-designed by educators across 7 countries.

Implementation Timeline



Co-Design Methodology

01

Needs Assessment

Stakeholder mapping involving teachers, researchers, and youth organizations

02

Collaborative Workshops

Online and face-to-face sessions using design thinking and peer review

03

AI-Based Tools

GPT tool developed by EHU to support activity generation and evaluation

04

Validation & Prototyping

Activities piloted in schools with feedback on engagement and inclusiveness

05

Translation & Adaptation

Materials localized to fit national educational standards and languages

Weekly Activity Structure

Daily Themes

- Monday: Science
- Tuesday: Technology
- Wednesday: Engineering
- Thursday: Arts
- Friday: Mathematics

Each field explored through artistic expression and cultural context, emphasizing interdisciplinary connections.



Stakeholder Engagement



Schools

Coordinate in-school activities and support contest teams



Cultural Institutions

Host out-of-school activities and provide mentors



Technology Partners

Supply digital equipment and VR tools



NGOs & CSOs

Co-create activities and promote gender balance

Each country aims to involve **at least 8 stakeholders** from different sectors to ensure diversity and representation.

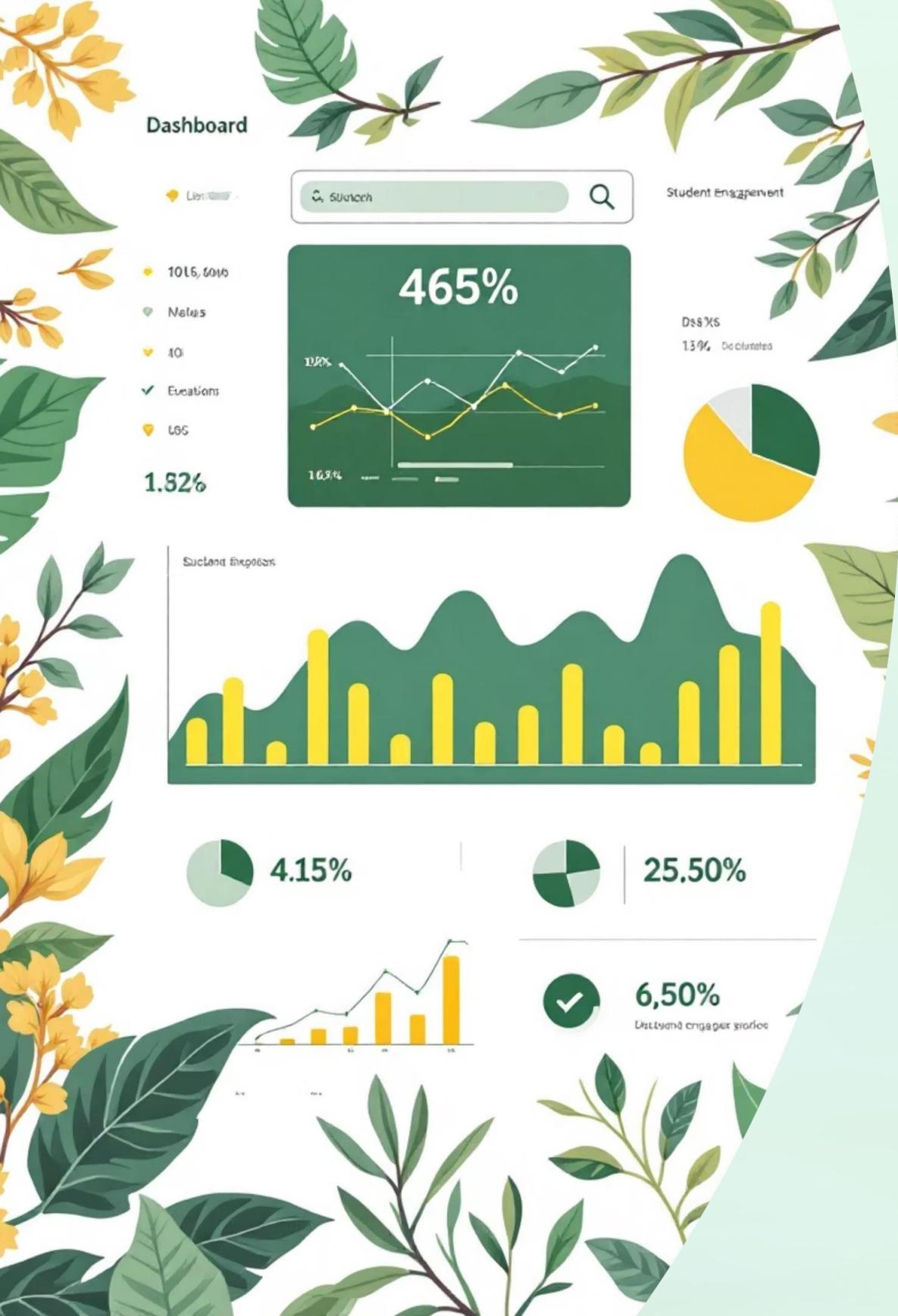
Risk Management Framework

Identified Risks

- Low participation rates
- Technical failures
- Logistics challenges
- Gender imbalance
- Contextual misalignment

Mitigation Measures

- Digital fallback formats and flexible scheduling
- Substitute mentors and backup plans
- Real-time monitoring and incident logs
- Executive Committee oversight
- External Advisory Board ethical compliance



Monitoring & Evaluation

720+

Student Surveys

Pre- and post-activity surveys targeting participants

20+

Teacher Interviews

In-depth feedback from educators and facilitators

50%

Female Participation

Target gender balance across all activities

7

Countries

Spain, Portugal, Sweden, Romania, Croatia, Germany, UK

Feedback will inform activity adjustments, policy recommendations (WP6), and design of follow-up STEAM Weeks. Data disaggregated by sex, age, location, and socio-economic background.

Sustainability & Future Vision



Documentation

STEAM Week Toolkit with all protocols and materials



Self-Financing Models

Sponsorship, registration, and public funding strategies



Curriculum Integration

Engagement with Ministries of Education for national adoption



Scalable Model

Year-round events across different cities and countries

The pilot STEAM Week serves as a cornerstone for transforming education across Europe—fostering the next generation of diverse, skilled, and inspired innovators through the integration of creative expression, scientific inquiry, and cultural engagement.

