

Science on Stage Europe Annual report 2025

Activities

Activities 2025 and outlook 2026

Aims according to our statute

- ▶ Promoting science teaching through the dissemination of good-practice concepts for teachers by teachers
- ▶ Organising and promoting international cooperation and exchange between educators through activities that can be attended by teachers from several countries

Evaluation European Festival 2024

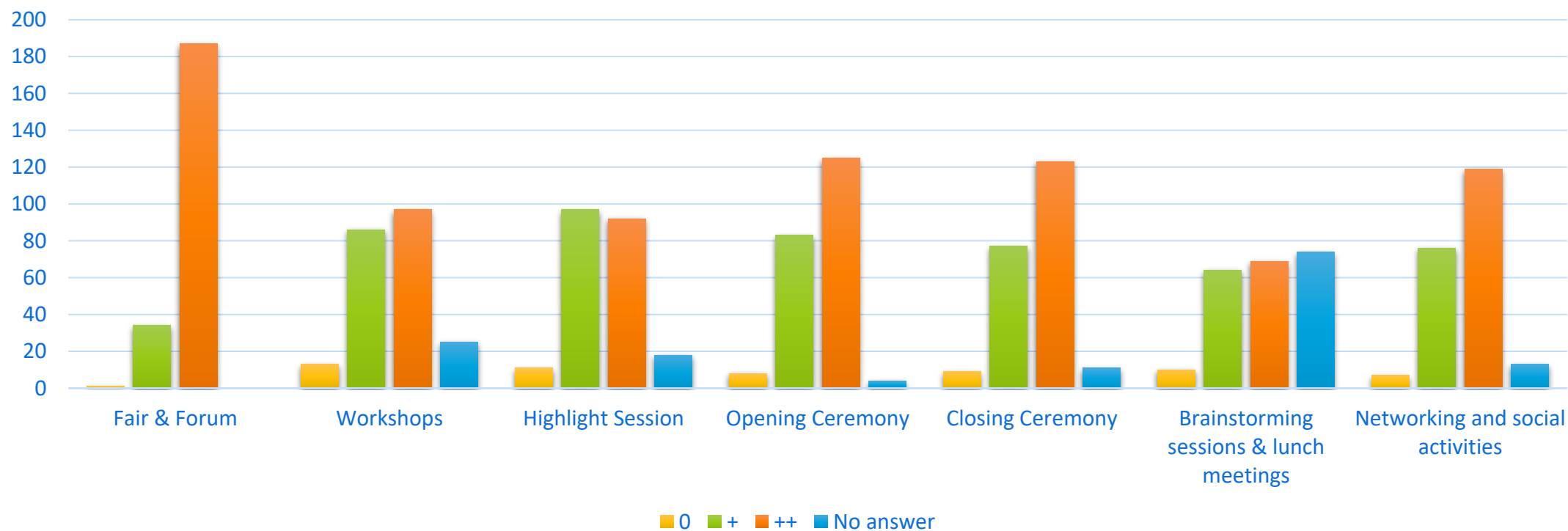
- ▶ “I take the chance to share with you my particular gratitude for your effort promoting science at this high level.
As a science communicator (in my region), I daily meet teachers and students and what is really missing is just motivation, in both of them.

And **the best way to boost motivation is meeting and sharing with colleagues**, something that AI will never provide educators with, whilst SonS does. David told us many times, and if I look back to my career **the Sons festivals have been the highest point in terms of enthusiasm, eagerness to learn, sharing and talking about science.”**

Federico Andreoletti, Italy

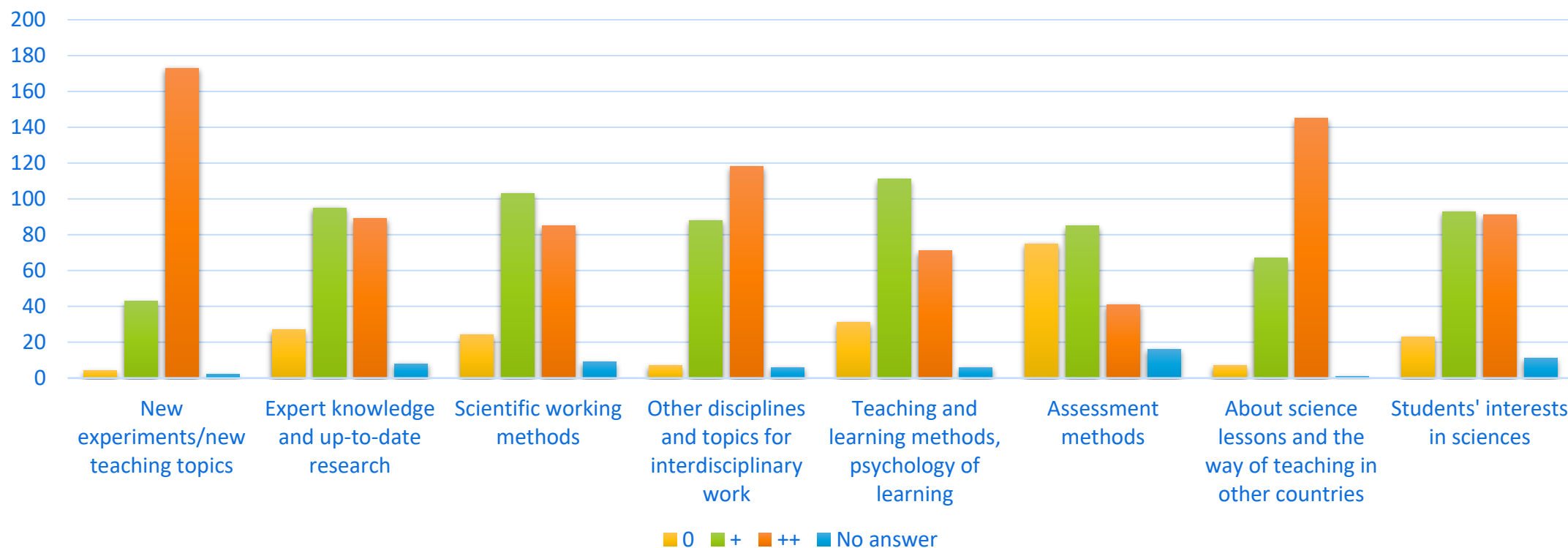
Results of the posttest

Please rate the following components of the Science on Stage festival
2024



Results of the posttest

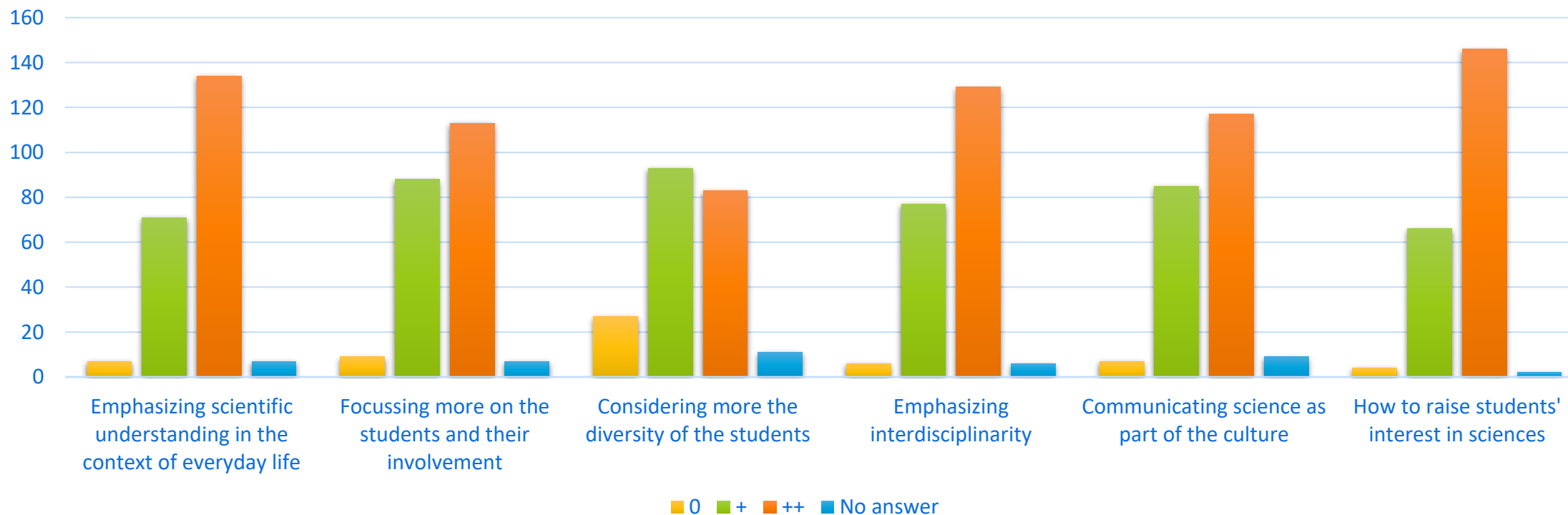
Through my participation at the Science on Stage 2024 festival I increased my knowledge in



*Results without ranking the statements. Detailed results are analysed in the long-term evaluation (approx. 9 months after the festival).

Results of the posttest

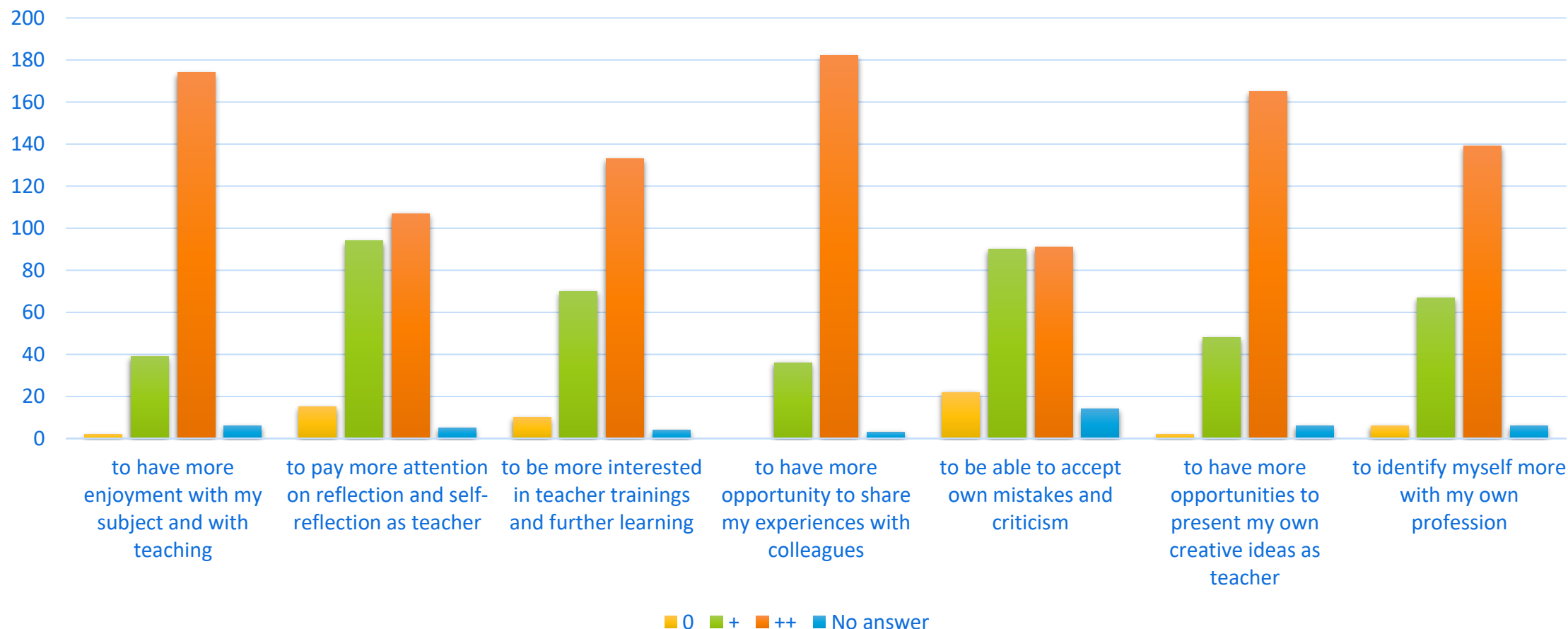
Through my participation at the Science on Stage 2024 festival I got new inputs on



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Results of the posttest

The Science on Stage 2024 festival helps me



*Results without ranking the statements. Detailed results are analysed in the long-term evaluation (approx. 9 months after the festival).

National festivals 2025

- ▶ Selection of national delegations for the European Science on Stage festival 2026
- ▶ 25 member countries had organised a national festival
- ▶ 5 organised a written selection procedure
- ▶ SonSEu provided a flyer template for the countries
- ▶ Shared via SonSEu website at www.science-on-stage.eu/national-events as well as via Social Media

Impressions from the national festivals

Ukraine





SCIENCE ON STAGE ROMANIA

FESTIVALUL NATIONAL SCIENCE ON STAGE ROMANIA
24 MAI 2025, CLUJ - KAPOCA

SUSTAINABLE ENERGY SOURCES AND THEIR IMPACT ON LIFE
Prof. Dragomir Elena- Andreea

Argument

- STEM-based learning - development of critical and analytical thinking
- "DBL" strategy
- Identifying problems
- Evaluating and choosing alternatives
- Analyzing decision effectiveness

Purpose of activity

- Promoting interest in science and technology
- Encouraging a responsible attitude towards the environment
- Developing key competencies: collaboration, research, experimentation

Instructional activity

- 1 Engagement
- 2 Elaboration
- 3 Evaluation
- 4 Elaboration
- 5 Evaluation

Materials

Craft materials, electric motor, LED, conductive wires, cans, hot glue gun, corn, nails, cardboard box, plastic bottle, other recycled materials, internet access

Activity description

Subject: Physics
Grade: 8th Grade
Time: 1 hour - 100-150 min

Becul solar
① Solar-powered bulb

Ventilator alimentat de convecția aerului
③ Fan powered by air convection

Model de turbină eoliană
④ Wind turbine model







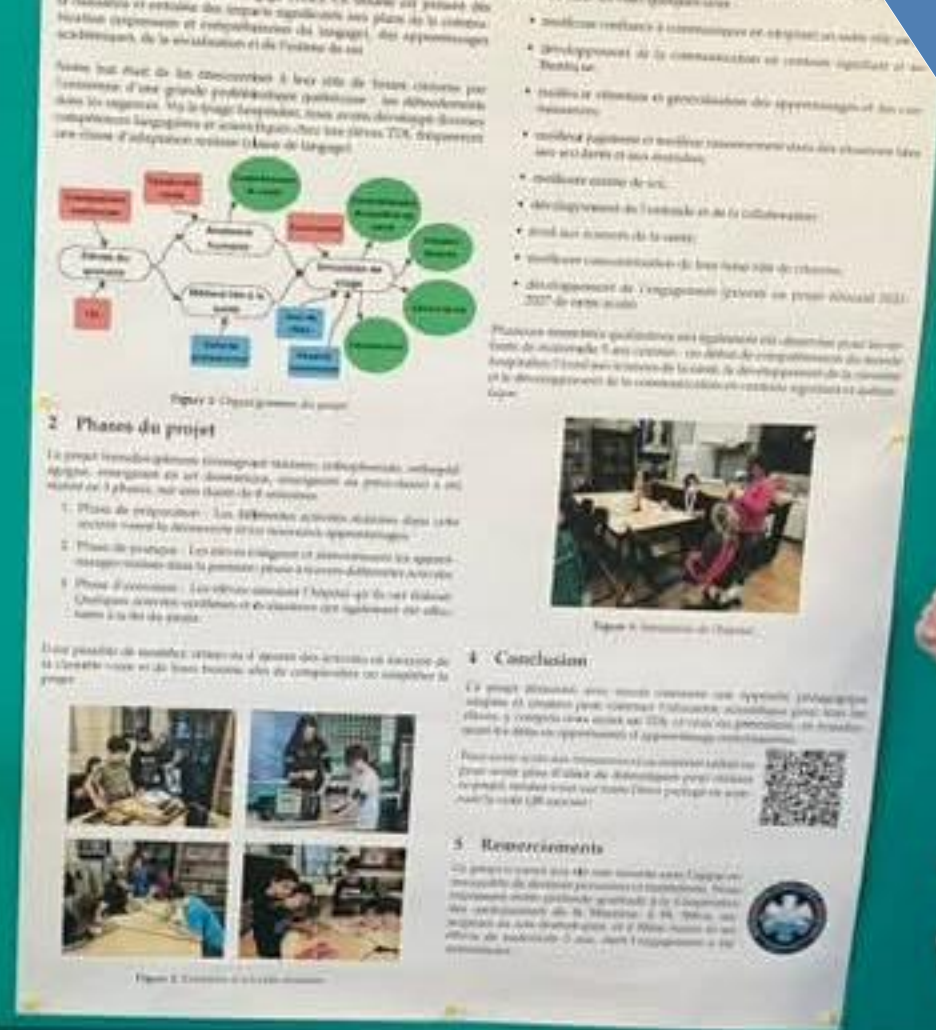




Italy

27/09/2

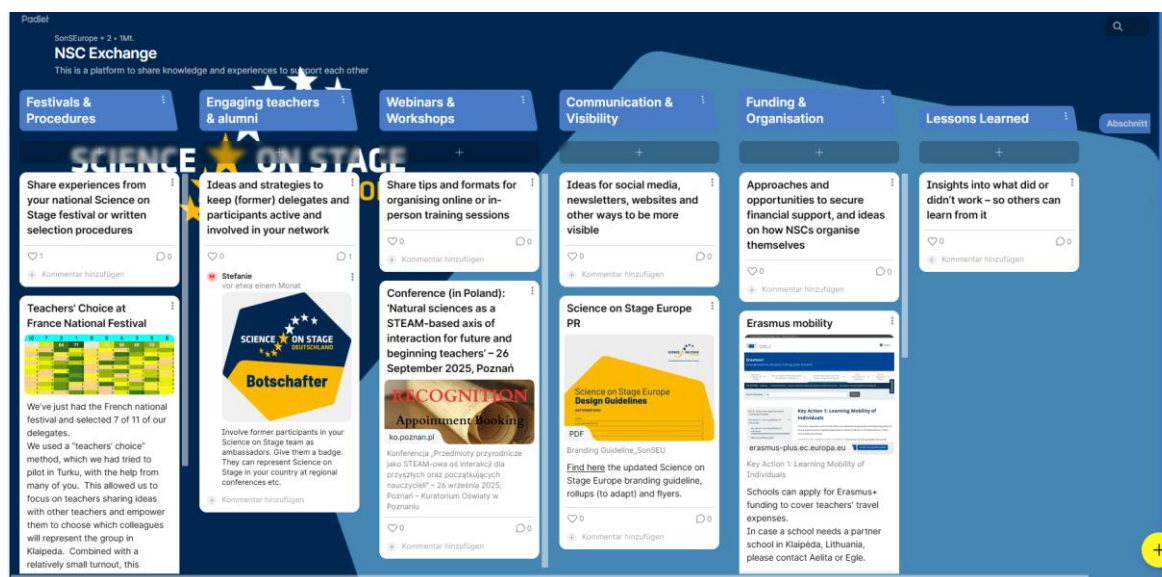
Canada





Country Meetings

- ▶ Country Meetings with: Albania, Bulgaria, Finland, France, Georgia, Greece, Iceland, Italy, Kazakhstan, Croatia, Lithuania, Netherlands, Norway, Poland, Romania, Sweden, Switzerland, Serbia, Slovakia, Slovenia, Türkiye, UK, Cyprus
- ▶ Padlet for NSC exchange



Virtual events & webinars by SonSEu 2025

Date	Event
12 March	Webinar "Eggs-Experiments for Easter"
08 April	Launch of "Save our nature – Let's explore together! "
29 April	Learning for sustainability and green skills (eTwinning webinar)
08 May	Meeting Globeducate schools network
01 December	Webinar "Festive STEM Ideas for Your Classroom"



Register



Resources

Money Matters

- ▶ Simple experiments show how familiar money can reveal scientific principles
- ▶ Covers key areas of science education, including mechanics, electricity and magnetism, chemistry, and properties of materials
- ▶ Designed for both primary and secondary education
- ▶ <https://www.science-on-stage.eu/material/money-matters-simple-science-experiments>
- ▶ By David Featonby and Rute Oliveira



National activities: Translation

- ▶ Translation of “The Science behind Magic” into Czech
- ▶ Magic "tricks" which are in fact demonstrations of hidden science
- ▶ Experiments for different age groups which encourage students to engage with science
- ▶ Available: <https://www.science-on-stage.cz/cs/inspirace>
- ▶ Original text by Adrian Allan, David Featonby, Paul Nugent, Rute Oliveira



české upravené vydání

Je na webu!



Competitions – AI Challenge

- ▶ Competition for teacher and student teams
- ▶ Develop a project with your students and document the implementation in English in the form of a poster and short film (max. 2 minutes)
- ▶ Applications from 17 countries, involving 406 participants (142 teachers along with 264 students aged 10 to 18)
- ▶ www.science-on-stage.eu/ai-stem-challenge
- ▶ Organised by Science on Stage Germany
- ▶ Supported by



Competitions – AI Challenge

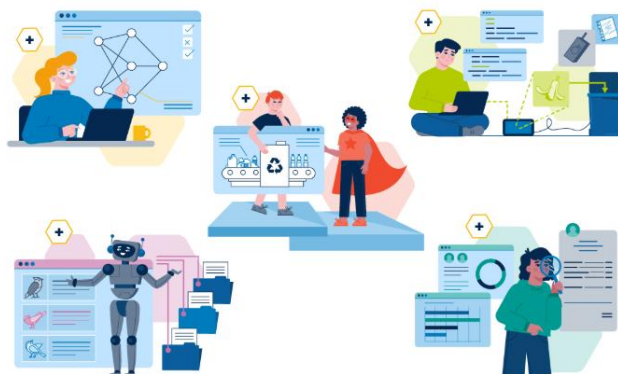
- ▶ International final on 6 June 2025 in Berlin
- ▶ 10 selected teams presented their projects



Encouragement to translate existing resources



AI in STEM Education
Understanding, applying, coding



[Back to main page](#)

SCIENCE
on Stage 2022
Demonstrations and
teaching ideas

selected by the
Irish team

Version
française



Janvier 2024

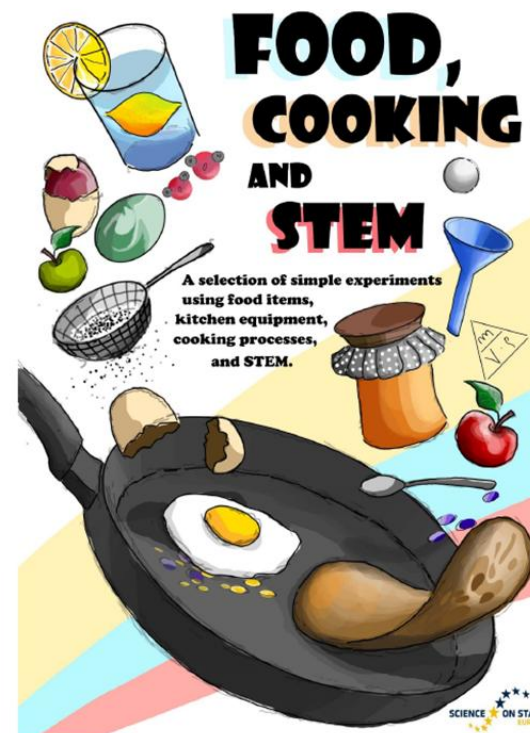
Adaptation et traduction française.
Science On Stage Belgique.
Grâce Urbain & Philippe Wilock



MINT-Experimente
von Lehrkräften
für Lehrkräfte

SCIENCE ON STAGE 2022
PRAGUE

Good Practices vom Europäischen
Science on Stage Festival 2022



National activities - order

- ▶ Many printed resources still available
- ▶ Coding in STEM, Latern Moon, Teachers & Scientists, Football in STEM, Science on Stage flyer
- ▶ Order at info@science-on-stage.eu
- ▶ Recorded webinars in our YouTube channel



Save our Nature – Let's explore together

- ▶ International project with 15 primary school teachers
- ▶ Experiment and explanatory videos for teachers to show experiments and scientific phenomena
- ▶ Additional materials containing experiment guides and worksheets, as well as explaining the scientific background to the experiments
- ▶ Includes aspects on differentiated learning, career orientation in primary schools and the connection to sustainability
- ▶ Published by Science on Stage Germany in April 2025



Save our Nature – Let's explore together

<https://www.science-on-stage.eu/save-our-nature>



Save our nature – Let's explore together

Videos for primary

[Back to main page](#)



The experiment

Do pieces of rubbish float, sink or perhaps not sink entirely?



Required materials

- Bowl of water, empty drinks can, soda can tabs, plastic bottle, scissors, pen, wipes, polystyrene, balloon, face mask, baby wipes, forks of different materials, scissors, coins, cotton buds, any other material to be tested
- Computer or laptop, projector, screen
- Worksheet, optional: vocabulary card

Experiment guide

1. Discuss what students consider as "rubbish", "trash" or "litter".
2. Gather materials listed above (or other materials suggested by the students).
3. Predict whether each piece of rubbish will float, will sink or will partially float.
4. Discuss whether other considerations such as size, material, shape, salinity of the water etc. will make a difference to whether the item floats, partially floats or sinks in water.

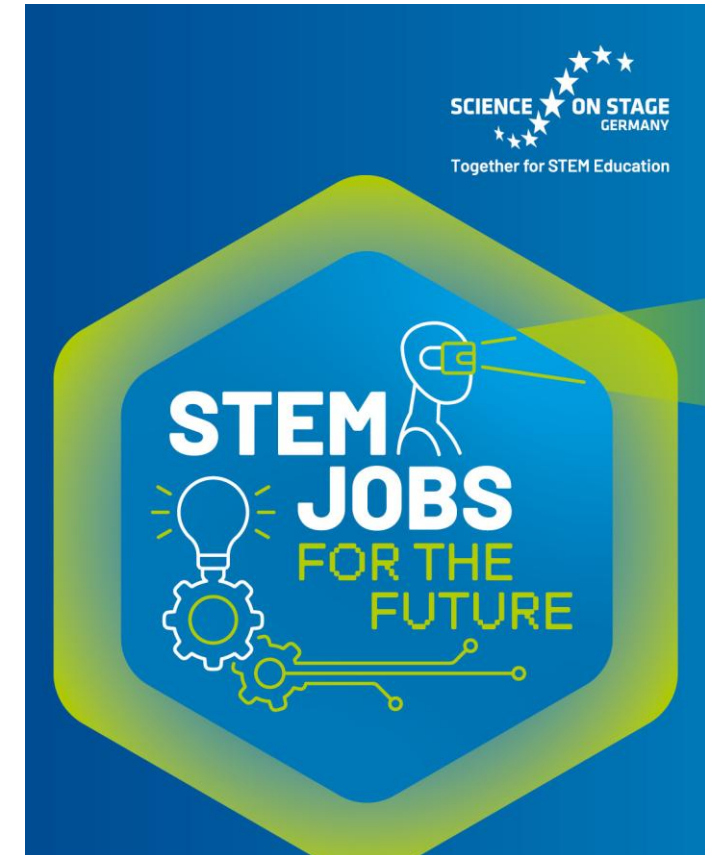
Outlook: Quantum Computing in STEM Education

- ▶ International project launched in spring 2024 by Science on Stage Germany
- ▶ 20 teachers from 15 countries develop teaching material
- ▶ Publishing in 2026
- ▶ Financed by Wilhelm and Else Heraeus Foundation
- ▶ Information:
www.science-on-stage.eu/quantumcomputing



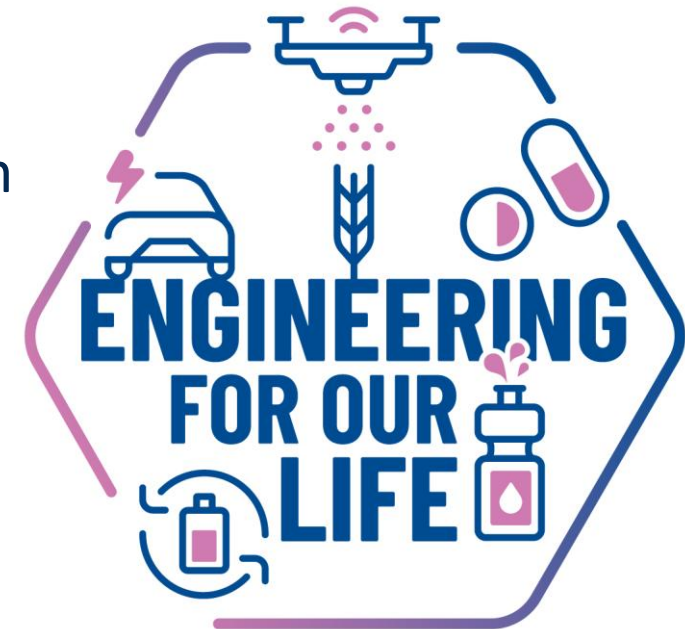
Outlook: STEM Jobs for the Future

- ▶ How to integrate career orientation into the classroom?
- ▶ Organised by Germany
- ▶ 23 teachers from 15 countries
- ▶ Kickoff meeting 7-9 November 2025 in Berlin
- ▶ Expected outcome: digital teaching materials with innovative methods (e.g. escape games, apps, ...)
- ▶ More information: <https://www.science-on-stage.eu/project/stem-jobs-future>
- ▶ Supported by



Outlook:Engineering for our Life

- ▶ Currently reviewing the applications
- ▶ 23 STEM teachers from all school forms collaboratively developing innovative, practice-oriented materials and resources that bring engineering to life in the classroom
- ▶ Food, energy, healthcare and environment
- ▶ More information: <https://www.science-on-stage.eu/project/engineering-our-life>
- ▶ Supported by  **GEA**
Foundation



Programs for member countries

AI Literacy Grant – from Nov. 2025-end 2026

- ▶ Science on Stage Germany offers grants of up to 500 € for activities such as seminars and workshops aiming at teachers' professional development in the field of AI literacy and AI competencies
- ▶ Open to schools, parents' initiatives, and individual STEM teachers in France, Germany, Italy, Spain and the United Kingdom
- ▶ Expenses such as travel and accommodation costs for speakers, expenses for coffee breaks and material costs for the event
- ▶ Supported by 


Programming grant

- ▶ Possibility for grant application € 175
- ▶ for seminars and workshops aiming at teachers' professional development in the field of coding
- ▶ cover expenses such as travel costs for speakers and material costs for the event
- ▶ Application deadline ended in October 2025
- ▶ Organised by Science on Stage Germany
- ▶ Supported by 



Teacher exchange – Take a Workshop

- ▶ 5 teachers exchanges 2025
- ▶ One ,Take a Workshop to your Country‘
- ▶ Inform your delegates about Teacher Exchange



PR for Science on Stage

PR

- Flyer
- Poster
- Roll-ups
- Find PR material on the Padlet:



Websites

- ▶ SonSEu website
 - ▶ Constantly updating
 - ▶ Feedback & input welcome
 - ▶ Your countries side
- ▶ Your own national country website



National country websites

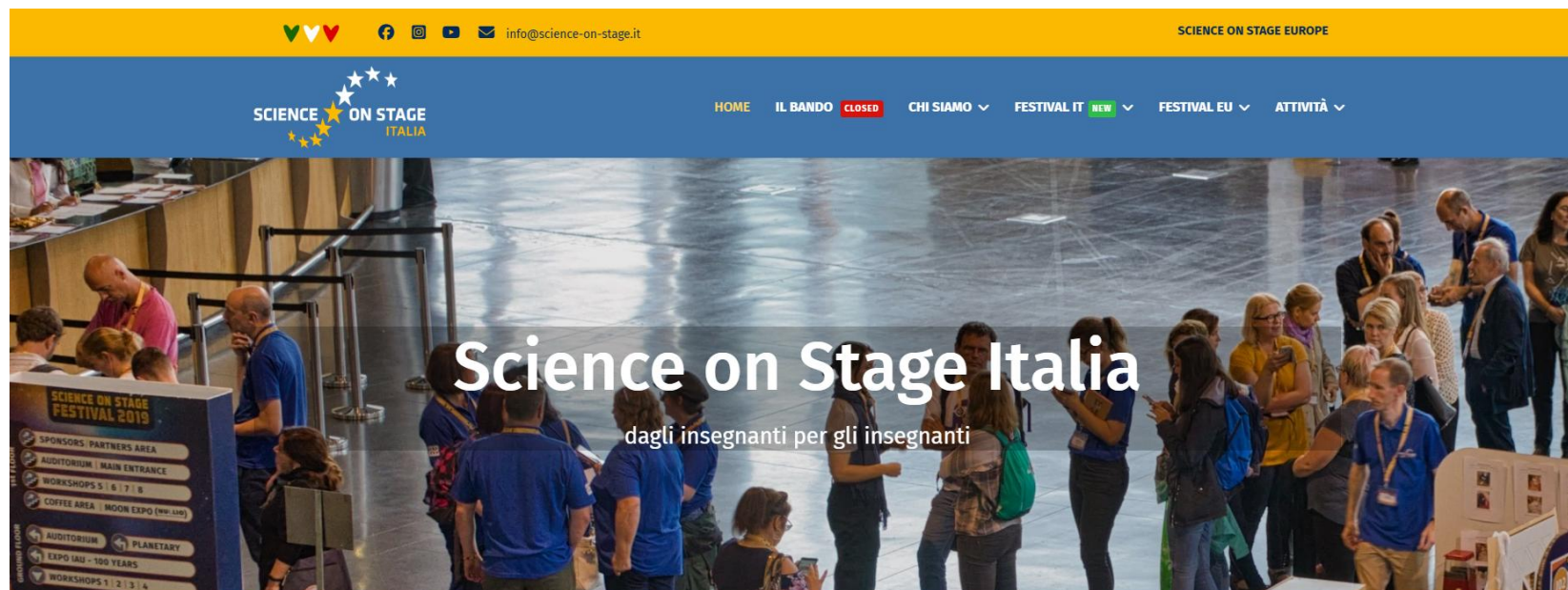


Image courtesy of Jean-Luc Richter



Cos'è Science on Stage Italia?

Si propone di individuare progetti didattici innovativi relativi all'insegnamento STEM (fisica, chimica, biologia, astronomia, matematica o tecnologia, scienze della Terra) rivolti a tutte le tipologie di scuole. I migliori di questi progetti potranno essere presentati a Science on Stage

European ambassadors

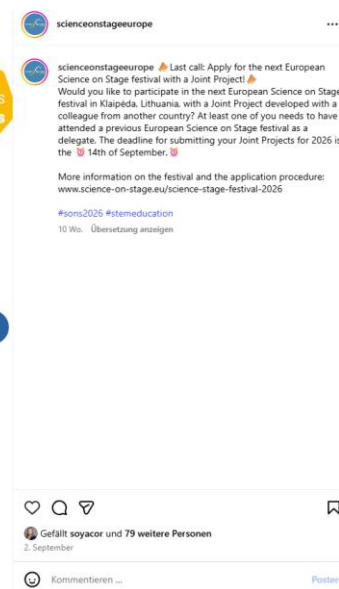
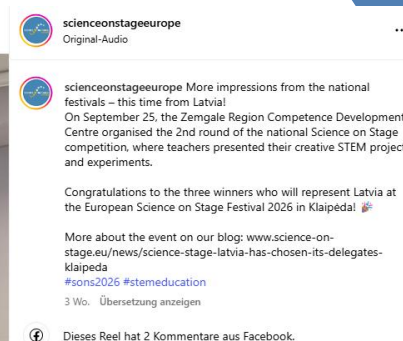
- ▶ SonSEu Ambassadors
 - ▶ Rute Oliveira, Portugal
 - ▶ Marco Nicolini, Italy
 - ▶ Selçuk Yusuf Arslan, Turkey
 - ▶ Jane Shimizu, Ireland
 - ▶ Astrinos Tsoutsoudakis, Greece
 - ▶ Kulvinder Kaur Johal, UK
 - ▶ Nuria Muñoz, Spain

The European Ambassadors are willing to help with projects and events in countries other than their own to support the aims of Science on Stage.



Newsletter & Social Media

- ▶ Keeping your target group up to date
- ▶ Tag Science on Stage Europe
- ▶ Upload pictures and videos
- ▶ Share SonSEu content or content from other member countries
- ▶ Use provided content
- ▶ Or be part of our social media work



SCIENCE ON STAGE
EUROPE

THE EUROPEAN NETWORK FOR SCIENCE TEACHERS

www.science-on-stage.eu

Partnerships

Partnerships

- ▶ Main supporter:

- ▶ Federation of German Employers' Associations in the Metal and Electrical Engineering Industries (GESAMTMETALL)



- ▶ Further supporters:

- ▶ Vernier Science Education



- ▶ Amazon Future Engineer



- ▶ European Petrochemical Association (EPCA)



Partnerships within EU projects

- ▶ EU STEM Coalition



- ▶ Code4Europe CodeWeek. 

- ▶ Exchange with European Commission



Priorities for 2026

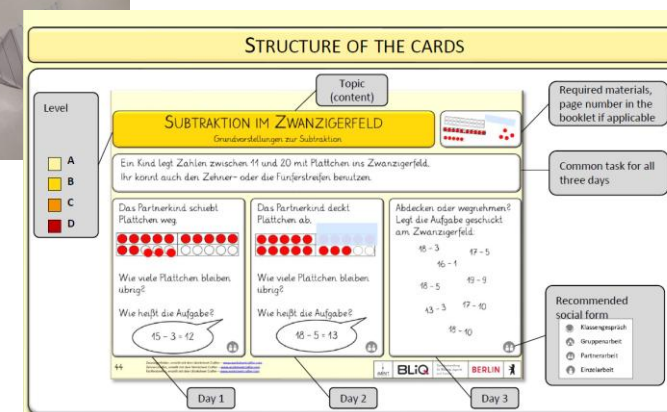
Science on Stage Festival 28-31 May in Klaipėda

- ▶ Festival website: <https://sons2026.eu/>
- ▶ Invitation letter for minister of education
- ▶ Template available to adapt
- ▶ Let us know:
 - ▶ Are you translating the letter?
 - ▶ Do you want us to send the letter?
 - ▶ If yes, provide us with the email address



Joint Projects at #sons2026

- ▶ 29 applications
- ▶ Great variety of projects
- ▶ 19 projects selected
- ▶ Collaborations: Portugal – Poland; Finland – Denmark; Georgia – Kazakhstan, Sweden – Germany; Latvia – Ukraine; Slovenia – Italy and many more



Application host country Science on Stage festival 2028

Privacy

Privacy

- ▶ Subject matter and objectives of the GDPR:
 - ▶ Protection of the fundamental rights and freedoms of natural persons and their right to the protection of personal data
- ▶ Protection of individuals regarding the processing of personal data.
- ▶ Exception: processing of personal data carried out exclusively for personal and family activities
- ▶ Relates to every member country of the European Union
- ▶ Effective 25 May 2018
- ▶ Complete guide to GDPR compliance: <https://gdpr.eu/>

Privacy for NSC activities

- ▶ When organising events/workshops, etc.:
 - ▶ Give detailed information for which purpose you collect the data (registration info),
 - ▶ How long you will store it and,
 - ▶ If data is transferred to third parties:
 - ▶ Give information to which party (e.g., hotel for booking, social media for PR, partners like SonSEu or festival organiser etc.)
 - ▶ Check measures to protect the data (e.g., digital safety measures to protect from external attacks, measures that protects you from unintended deletion, backups, processing documentation, etc.)
- ▶ Privacy statement at national website and also at social media channels
- ▶ **Check information that are given on websites of the government or national data protection authority (many templates available).**

See you at the Science on Stage Festival 2026!



THE EUROPEAN NETWORK FOR SCIENCE TEACHERS

Main supporter:



Further supporters:



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