

Annual report Science on Stage Europe 2021

Activities

Activities

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 Science on Stage festival 2019

- ▶ Results follow-up questionnaire: one year later
 - ▶ More than 50% of the participants stated that they have **at least 4 international contacts** to other teachers and nearly all international contacts that the teachers have, have been established through the past SonS festivals.
 - ▶ Only 10% of the teachers did not conduct any teacher training since the festival in 2019 whereas **more than 10% conducted more than 10 teacher trainings** in the same time. These are effective values which demonstrate that SonS participants are active in teacher trainings.
 - ▶ Teachers are effectively transferring knowledge and ideas from the SonS festival to their science classrooms. Only 7% have not implemented any idea from the festival in their own science lesson. **49% implemented more than 3 ideas into their classroom within one year, remarkably despite school closure due to the pandemic.**

Evaluation Science on Stage festival 2019

- ▶ Long-term effect and benefits:
 - ▶ 56% of the teachers rated highest the long-term effects of the SonS festival and 68% reasoned why the festival was worth while participating:
 - ▶ *“It is a fantastic experience from every point of view. So many new ideas and sharing of experience. The motto From Teachers to Teachers tells everything!”*
 - ▶ *“It was an awesome time meeting with other science teachers who are as dedicated to teach science as I am. It was also great to be able to explain my own project.”*
 - ▶ *“I participated in some other events, [...] and all of international experience leave some impact. But SONS was one of the best thing ever. I wish to participate again in future ...”*

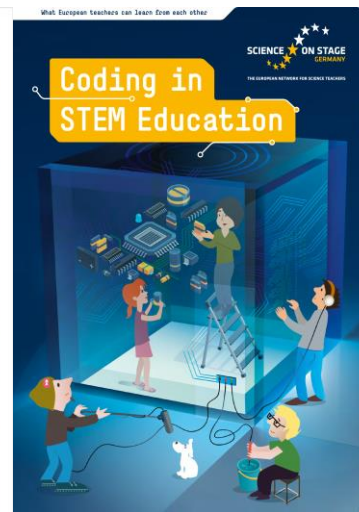
Virtual events

► 18 webinars in 2021

Date	Name Event
29 January 2021	Webinar “Introduction to virtual electric circuits with Tinkercad”
05 February 2021	Webinar “CoALA – Code A Little Animal”
18 February 2021	Webinar “The black-box colorimeter – construction and applications”
24 February 2021	Webinar “Microscale chemistry – in a little you can see a lot!”
05 March 2021	Webinar "Paper Circuits"
09 March 2021	Webinar: Infection Detective - Inquiry-based learning through simulation games for primary school
11 March 2021	Webinar: Physics with Arduino: Science Magic Box
16 March 2021	Webinar “Correcting exercises? I can’t be bothered with that.”
30 March 2021	Webinar: It's not magic, it's science you don't see! Part II
31 March 2021	Webinar: Mirrors for Minors
16 April 21	Webinar: Cutout animation in science teaching
12 May 2021	Webinar: Introduction to robotics - How to build a self-driving car
25 May 2021	Workshop ‘Pathways to School Success’
30 September 2021	Webinar: Analog electronics part 1: The humble transistor
05 October 2021	Online Course/Webinar Series "Introduction to the Arduino World: Programming and Using Arduino at School"
21 October 2021	Webinar: Coding for AI: Fuzzy logic
11 November 2021	Webinar: All alike but not the same
24 November 2021	Webinar: It's not magic, it's science you don't see! Part III

National activities

► Booklets



Webinars for NSCs

Date	Name Event
20-21 April 2021	Webinar for NSCs: #SonS2022 What to do when
3 November 2021	Webinar for NSCs: #SonS2022 How to form your delegation



National activities

- ▶ European Code League final event on 28 May 2021
- ▶ Held virtually
- ▶ Applications from 15 countries
- ▶ 10 teams at the final event
- ▶ Winning teams from Romania, Turkey and Greece will present their projects at #SonS2022 in Prague
- ▶ Proudly supported by SAP SE



National activities

- ▶ **SDGs in STEM Education:**
 - ▶ International teachers work together to implement the Sustainable Development Goals (SDGs) in STEM lessons.
 - ▶ Create concrete and hands-on teaching concepts that encourage students to become active and responsible citizens
 - ▶ Three virtual meetings in 2021
 - ▶ Personal meeting in February 2022 in Budapest
 - ▶ Results available by end of 2022
 - ▶ Proudly supported by SAP SE

**SUSTAINABLE
DEVELOPMENT
GOALS**

Act now! – Instagram competition

- ▶ We invited STEM teachers for primary and secondary school to submit their excellent teaching ideas for STEM classes.
- ▶ We wanted to know: How do they inspire their students with the 17 SDGs? The competition ran from 1 October to 1 November 2021.
- ▶ Winner from Greece: Astrinos Tsoutsoudakis with “Simple transistor circuits”



[Watch on Instagram](#)



Teacher exchange – Take a Workshop

- ▶ 3 teachers exchanges granted
- ▶ No applications for ‚Take a Workshop to your Country‘
- ▶ Inform your delegates about Teacher Exchange
- ▶ Think about follow-up activities after #SonS2022 already know, look out for delegates to invite to your country



PR and partnership



PR and partnership









- ▶ Relaunch of the SonS EU homepage in March 2021
- ▶ National country websites

Our Network

Science on Stage is Europe's biggest network from STEM teachers for teachers with destinations in over 30 countries. Our aim is to strengthen the community of committed STEM teachers throughout Europe and to support the professional development of teachers through the personal exchange of best practice teaching ideas across borders. Find all countries in the search window above.

If you are interested in building up Science on Stage in a country that is not a member country, contact us at info@science-on-stage.eu.

Member countries

 <p>Albania →</p>	 <p>Austria →</p>
 <p>Belgium →</p>	 <p>Bulgaria →</p>
 <p>Canada →</p>	 <p>Cyprus →</p>
 <p>Czechia →</p>	 <p>Denmark →</p>

SCIENCE ON STAGE
EUROPE

Countries Activities Topics Festivals Teaching Materials Events About us

Welcome

Teachers matter! Our non-profit initiative brings together STEM teachers with outstanding teaching ideas. Inspire and excite students beyond national borders with us.

Join now!



PR and partnerships

- ▶ SonSEu Ambassadors
 - ▶ Liliana Fernandes, Portugal
 - ▶ Marco Nicolini, Italy
 - ▶ Selçuk Yusuf Arslan, Turkey
 - ▶ Corina Toma, Romania
 - ▶ Astrinos Tsoutsoudakis, Greece
 - ▶ Kulvinder Kaur Johal, UK
 - ▶ Nuria Muñoz, Spain



PR and partnerships

- ▶ National Ambassadors
 - ▶ Serbia, Turkey, Germany



Unsere Botschafterinnen und Botschafter

Unsere Lehrkräfte unterstützen uns auf vielfältige Art und Weise. Neben unserem Vorstand stehen uns dabei mit ihrem Sachverstand die Mitglieder unseres BackStageTeams zur Seite.



Darüber hinaus engagieren sich bei uns MINT-Lehrkräfte ehrenamtlich als regionale Botschafterinnen und Botschafter sowie bei unseren Science on Stage Stammtischen.

Für Sie unterwegs:

[Christoph Bauer](#) (Würzburg)

[Soraya Cornelius](#) (Reutlingen)

[Mirek Hančl](#) (Uelzen)

Andreas Meier (Wiesbaden)

[Jürgen Miericke](#) (Nürnberg)

[Wolfgang Zeitter](#) (Starnberg)

Karsten Bolte (Gelsenkirchen)

Fabian Bendlow (Königswinter)



PR and partnership

- ▶ Cooperation with partners, sponsorship:
 - ▶ New supporter Vernier Software & Technology
 - ▶ Provides teachers with tools (sensors, software, lab books, and remote learning solutions)
 - ▶ Presence at #SonS2022 with a workshop
- ▶ Main supporter:
 - ▶ Think Ing. - Federation of German Employers' Associations in the Metal and Electrical Engineering Industries (GESAMTMETALL) with its initiative think ING.

Vernier

think
ING.

Die Initiative für
Ingenieurnachwuchs

Diversity and inclusion statement

Diversity and inclusion statement

- ▶ Science on Stage Europe is an independent non-profit association. Our goal is to improve STEM teaching by inspiring and supporting educators in their professional development and growth. We wish to build a thriving, diverse science teaching community. Our network of 34 member countries represents different nations, religions, genders, ages, and backgrounds. We believe in the principles of diversity, democracy, and inclusion.
We are against any kind of discrimination based on sex, colour, ethnic or social origin, genetic features, language, religion or belief, political or any other opinion, membership of a national minority, property, birth disability, age or sexual orientation.
All National Steering Committees, representing our member countries, agree to commit to these values and follow them whilst respecting the different backgrounds of the individual teachers involved in their national and all international activities.