

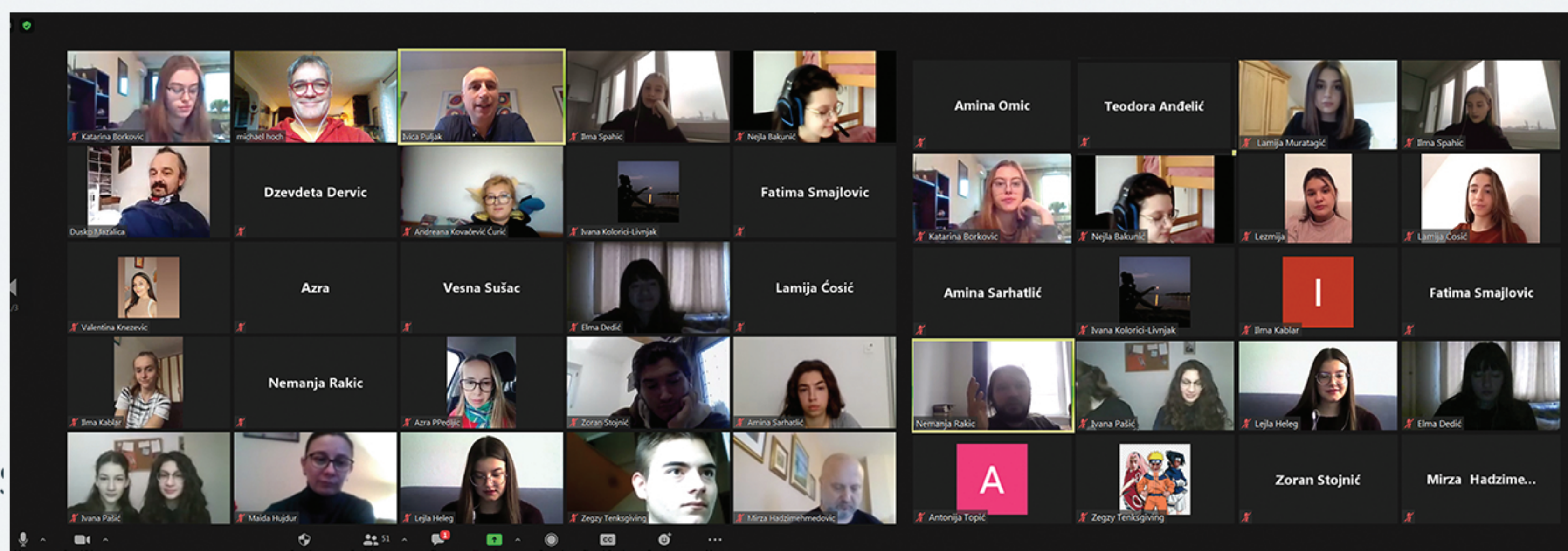
CULTURAL COLLISIONS

Bosnia and Herzegovina

A creative approach to engage on scientific topics.

November 2020. - June 2021. Authors Jadranko Bažista 1, Daniela Brill 2, Azra Gazibegović Busuladžić 3, Nikola Godinović 4, Mirza Hadžimehmedović 5, Michael Hoch 6, Ivica Puljak 4, Nemanja Rakić 7, Christoph Schafer 8

- 1) University of Mostar, Mostar, Bosnia and Herzegovina
- 2) Master, Science & Art, University Applied Arts Vienna, Austria
- 3) University of Sarajevo, Sarajevo, Bosnia and Herzegovina
- 4) University of Split, Split, Croatia
- 5) University of Tuzla, Tuzla, Bosnia and Herzegovina
- 6) FSU – Florida State University, United States
- 7) University of Banja Luka, Banja Luka, Bosnia and Herzegovina
- 8) CERN – European Organization for Nuclear Research, Geneva,



Abstract

Cultural Collisions is a novel cross-disciplinary science engagement, networking and education programme designed to stimulate the interest of high school students in science by introducing the methods and concepts of art and creativity into their standard science studies.

It is based on a unique collaboration of international, national and local partners (scientists, artists and educators), using modern communication tools which in particular facilitate the participation of in city base or rural communities. It provides access to and is supported by science centres and museums through workshops and exhibitions. Cultural Collisions Bosnia and Herzegovina has brought together 11 working groups in 6 different Bosnian cities and has been run entirely online.

During a whole school year, a total of 130 students participated in workshops and 556 in complementary events, including virtual visits and public lectures. They were supported by a unique collaboration of their teachers, local artists, local and international scientists, and demonstrated strong interest and enthusiastic engagement. Their commitment and efforts have resulted in an enhancement of their skills, an improved understanding of big science questions, scientific methodology, and an enhanced ability to discover creative solutions to complex problems. Furthermore, the programme demonstrates that the creative approach to engage on scientific topics encourages an increase in the participation of girls. The program is organized by ORIGIN/CMS following the Cultural Collisions methodology of previous successfully disseminated programs in Canada, Germany, Switzerland and Austria.

6 Different Bosnian cities

11 Working groups

130 Students participating in various workshops

Cultural Collisions is divided into 3 phases:

1. Interdisciplinary exhibition / lectures and Workshops: (beginning of School Year e.g. September or October) – science, technology and art exhibition lectures and workshops held by scientists and artists.

2. Elaboration of the topics at schools: (e.g. October – May) – further research and work of the students with creative supervisors in dialogue with science teachers at the schools.

Several event should be offered: ideas exchange rehearsal sessions, mentoring and discussion sessions with in international partners/ Virtual Visits to large international Science experiments e.g. CERN

3. Final presentation of the students' works: (end of School Year; e.g. May or June) – exhibition of the themes/artworks created by the students in a museum, possibly again with a supporting program.



Each team consisted of:

Students



One scientist



One local artist



One teacher



October 2020 – Pre Opening: installation in 4 cities local permanent inspiration exhibitions sponsored by ACF and DAAD

6th and 7th Nov 2020 – Kick-off online Symposium: –; <https://indico.cern.ch/event/970862/>

12 Dec 2020 – First Ideas Exchange Session: –; <https://indico.cern.ch/event/1015445/>

Feb. 16th, 2021 – Second General Rehearsal Session: – <https://indico.cern.ch/event/1005605/>

March 25th, 2021 – Virtual Visit to CERN / CMS – <https://indico.cern.ch/event/1018237/>

May 26th, 2021 – 3rd General Rehearsal session: – <https://indico.cern.ch/event/1041786/>

June 18th, 2021 – Closing Hybrid-Vernissage: – <https://indico.cern.ch/event/1047913/>



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