



The Art of Science Learning

UNESCO, Paris
7 Place de Fontenoy
14 -15 June 2018



PERFORM project CONFERENCE

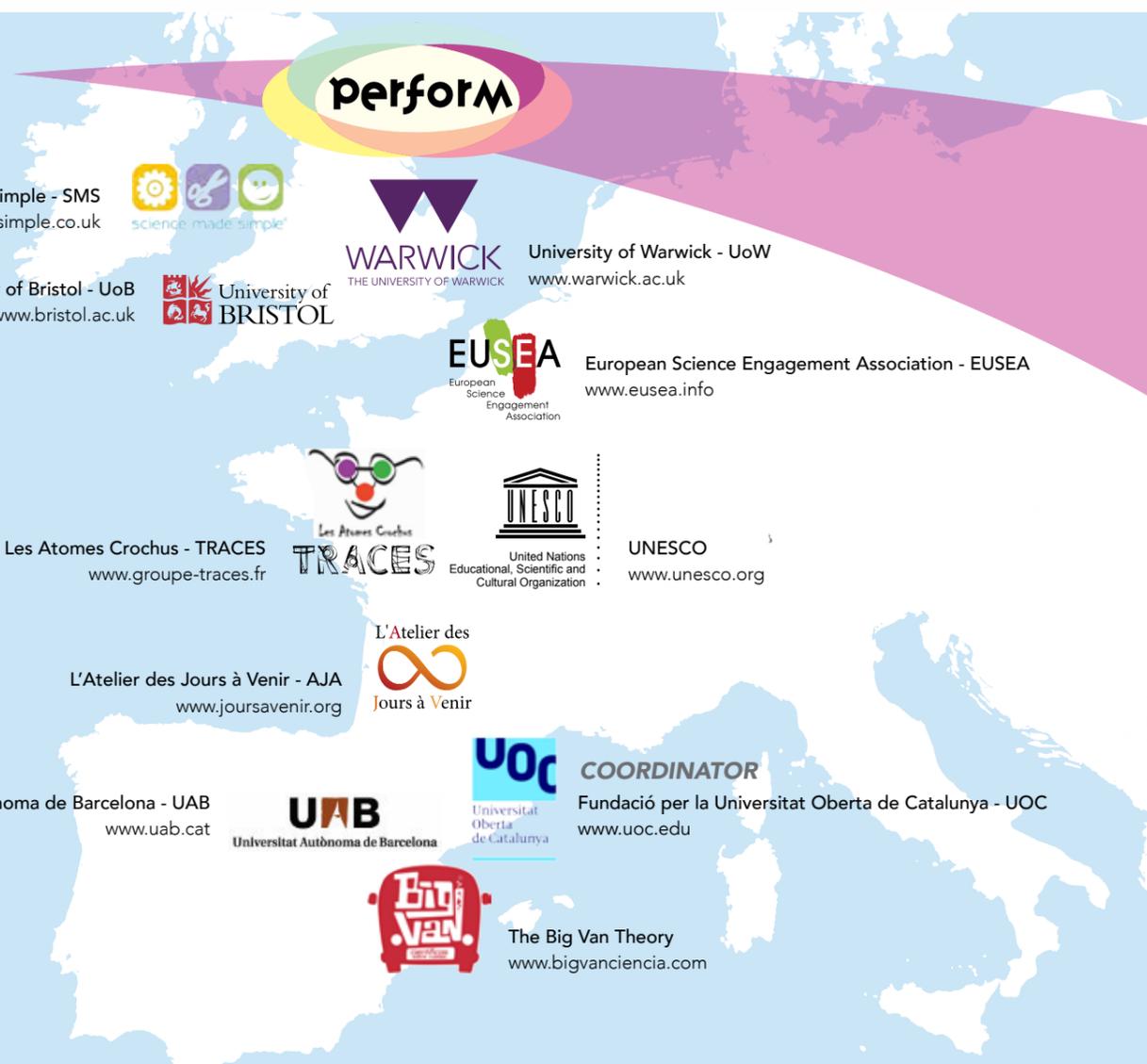
Innovation in Science Education Through Performing Arts

Discover how stand-up comedy, science busking and clowning innovate STEM education whilst embedding Responsible Research and Innovation values

www.perform-research.eu - @performstem - @performproject



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Over **3000 students** and more that **30 schools** in **3 countries** (Spain, France and UK) working with **4 universities**, **3 teams of science performers**, **2 international networks**, **1 social enterprise**

Innovating STEM education through joint efforts in three countries

THE PARTICIPATORY EDUCATIONAL PROCESS

720 secondary school students
30 teachers
44 early career researchers

Jointly developed innovative scientific performances

THE YOUNG AUDIENCE

2400 secondary school students attended the performances delivered in Spain, France and UK during the all process



Experience
the participatory protocols

Explore
the results of the activities with students

Learn More
about RRI indicators in STEM education

Discover the PERFORM outcomes

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PERFORM project CONFERENCE program

UNESCO, 7 Place de Fontenoy, Paris. 14 - 15 June 2018

Thursday, 14th June 2018

Official language: all talks will be simultaneously translated in English, French and Spanish for the duration of the first day.

9.30 **REGISTRATION** - The registration desk will be open from 9.30 onwards.
Avenue de Suffren Entrance hall

10.00 WELCOME

Room II will host all the presentations of the first day

Flavia Schlegel

Assistant Director-General for Natural Sciences - UNESCO

Isabel Ruiz Mallén

Ramón y Cajal Research Fellow and PERFORM project coordinator - IN3 - Open University of Catalonia - UOC

Markus Weißkopf

President of the European Science Engagement Association - EUSEA

Casimiro Vizzini

Expert at UNESCO



10.30 INTRODUCTION

Quentin Cooper

Freelance, journalist, BBC presenter, science communicator and facilitator



10.35 PERFORM IN PILLS 1. Fostering the acquisition of knowledge and skills in students

María Heras

Researcher - Institute of Environmental Science and Technology - ICTA, Autonomous University of Barcelona - UAB, Spain

10.40 COMMUNICATING SCIENCE THROUGH STAND UP COMEDY

What happens when curiosity and irony meet science and technology?

Robin Ince, Comedian and science populariser, UK



11.00 PERFORM IN PILLS 2. Dispelling common stereotypes about science and scientists

María Heras

Researcher - Institute of Environmental Science and Technology - ICTA, Autonomous University of Barcelona - UAB, Spain

11.05 THE YOUTUBER TALK

The storytelling technique applied to social media can be a powerful tool to engage with students, researchers and new audiences.

Léo Grasset, Biologist and Youtuber, France



11.25 PERFORM IN PILLS 3 - Motivating for science and STEM careers

María Heras

Researcher - Institute of Environmental Science and Technology - ICTA, Autonomous University of Barcelona - UAB, Spain

11.30 WORDS ON STAGE

Public speaking is an art that can be applied to communicating science and technology. When properly applied, public speaking creates a stage that invites participants to engage in discussions about science and technology.

Ana Peiró, Medical doctor and communicator, Spain



11.50 TALK SHOW: the PERFORM Experience

How can performing arts change the way we study, learn and teach STEM? Students, teachers, early career researchers who took part in the PERFORM project talk about their experiences.

Céline Martineau, program coordinator, TRACES Association, France; **Daniel Carrillo Zapata**, researcher, University of Bristol, UK; **David Price**, science communicator, Science Made Simple, UK; **Helena González**, science communicator, Big Van Science, Spain; **Keila González Duval**, student, IES Moises Broggi, Spain; **Marta Pulido**, postdoctoral researcher IDIBAPS, Spain; **Mathilde Telegone**, teacher, Lycée professionnel Pierre- Mendès, France; **Ms. Rachel Beddoes**, teacher, Castle School, UK

13.00 LUNCH - Ground floor - Salle des pas perdus

14.00 - 15.00 INTERACTIVE SESSION: drama-based activities and vocations in STEM careers - Room II

David Price, science communicator, Science Made Simple, UK; **Eva Corrons**, teacher, IES Consell de Cent, Spain; **Grace Mullally**, PhD Biochemistry, University of Bristol, UK; **Helena González** and **Oriol Marimón**, researchers and science communicators, Big Van Science, Spain; **Jenny Miñana**, student, IES Castellbisbal, Spain; **Kelly Board**, teacher, Bristol Free School, UK; **Paul Boniface**, science communicator, TRACES Association, France

15.00 - 16.00 PANEL DISCUSSION: building a reflexive understanding of research - Room II

Briana Bombana, PhD student, Department of Geography, Autonomous University of Barcelona - UAB, Spain; **Daniel Carrillo Zapata**, PhD Robotics, University of Bristol, UK; **Eduard Aibar**, researcher, Open University of Catalonia - UOC, Spain; **Ellie Hart**, researcher, University of Bristol, UK; **Luca La Volpe**, researcher, Université Pierre et Marie Curie - UPMC, France; **Martha Crean**, coordinator PERFORM project, University of Bristol, UK

16.00 COFFEE BREAK

16.30 - 17.45 PANORAMA TALK: innovating STEM Education in Europe - Room II

Águeda Gras Velázquez - Science Programme Manager - Scientix project

Alain Sarkissian - Researcher at ATMOS / UVSQ / CNRS. Edu Artic

Annette Klinkert - Project coordinator - NUCLEUS project

Josep Carreras - Educator and science communicator, Living Lab for Health at IrsiCaixa. Xplore Health

Manel Laporta Grau - Assistant Policy Officer and communication's coordinator at the Marie Skłodowska-Curie Actions Unit's - European Commission

Maria Kozlak - MSCA fellow, Institut Curie in Paris.

Marie-Agnès Bernardis - Chargée de mission Universcience/site Cité des sciences - Hypatia project

Marta Cayetano - Communication Officer. HEIRRI project

Xoana Troncoso - Former MSCA fellow, European Affairs Officer at Service Recherche Partenariale et Propriété Intellectuelle - SR2PI, École Polytechnique, Paris

18.00 COCKTAIL - UNESCO cafeteria - 7th floor

Friday, 15th June 2018

Official language: during the second day the official language will be English.

Each parallel Workshop (10.00 to 12.00) will be delivered in one language: French, Spanish or English.

9.30 - 10.00 POSTERS ALIVE! - Room Miró I

Enjoy a coffee while perusing posters that showcase innovative projects within education!

Alain Sarkissian - Edu-Artic: EDU-ARTIC project explored

Adrienn Pap and **Águeda Gras Velázquez** - Scientix: The 2018 STEM Discovery Week

Frédérique Carcaillet - Université de Montpellier, France: when researchers, students and pupils communicate science with stop-motion animation movies

Gul Karaevli - Korkmaz Yigit Anatolian High School, Turkey - COMPASS project: Creating Online Materials & Products At STEM Subjects

Josep Carreras - Xplore Health: Xplore Health, bridging the gap between RRI and STEM education

Hatice Kirmaci - Korkmaz Yigit Anatolian High School, Turkey-ART: the innovative way of reaching science

Lina Alexandra Gómez - University of Antioquia, Colombia: Strategies for the generation of scientific vocations in basic and secondary students in Medellin-Colombia

Marie-Agnès Bernardis - Hypatia: Make science education more gender inclusive

Marta Cayetano - HEIRRI: HEIRRI project, teaching and learning Responsible Research and Innovation

Pierre Echard - Jet Propulsion Theatre: Sparking the love for science through theatre

10.00 - 12.00 LET'S PERFORM

Two hours of interactive seminars geared towards helping you set up a performance (parallel sessions in French, Spanish and English)

Stand-Up Comedy to laugh with science

The Big Van Science (in Spanish)

Room Miró II

What does not kill us can only make us stronger!

Science Busking, an insiders' guide to taking science out onto the streets. Science Made Simple (in English)

Room II

Improvise your science!

Groupe TRACES (in French)

Room Miró III

Teacher training interactive workshop. Perform: bringing philosophy and performance into your science classroom

University of Bristol (in English)

Room III

12.00 LUNCH

13.00 - 13.45 YOUR VOICES - Room II

Share your workshop experience. Tell your peers how to develop performances about STEM that include RRI values.

Participants in the morning workshops are encouraged to report their experiences and highlight discoveries and challenges.

Moderator **Leonardo Alfonsi** - EUSEA

14.00 - 15.00 IMPLEMENTING PERFORM - Room II

How to set up the PERFORM experiences in your classroom?

Casimiro Vizzini, UNESCO and **Isabel Ruiz Mallén**, Open University of Catalonia - UOC