

Countries, Experiments and Labs highlights: **Bulgaria**



Overview 2018

- International Masterclasses Hands on Particle Physics | CMS experiment
- Particles4U competition
- Virtual visit to CERN
- Sofia Science Festival fair | British council annual event
- Music of Physics event
- ART@CMS

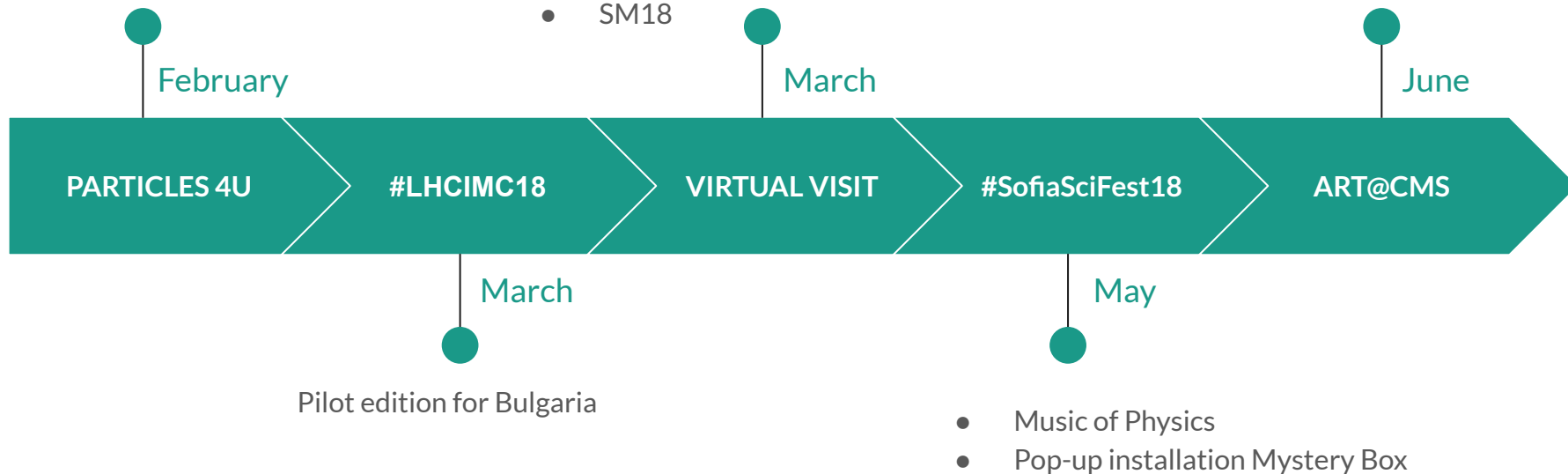
23 projects
6 schools
5 locations
1 winner (<12 y.o.)
68 certificates

- 6 schools
- 6 locations in Bulgaria
- ~ 300 students

Visiting points:

- IdeaSquare
- Antimatter factory
- SM18

The SciArt project by the artist Doncho Donchev took part in the initiative hosted by CMS during the annual summer event on site. "Timeline of the universe" is part of the art@CMS tour since 2018





Highlights 2018

#LHCIMC | CMS experiment

- Pilot edition
- > 100 applicants
- > 60 participants
- 1 location
- 2 institutes | OSOS funding

#SofiaSciFest

- 7 huge canvas
- 1 Pop-up installation
- 19K + attendees
- > 2 hours for 1-on-1 talk directly from the CMS control room and the assembly hall of the experiment

Virtual Visits@CERN

- CMS
- SM18
- CCC
- TOTEM
- AD
- ELENA
- IdeaSquare

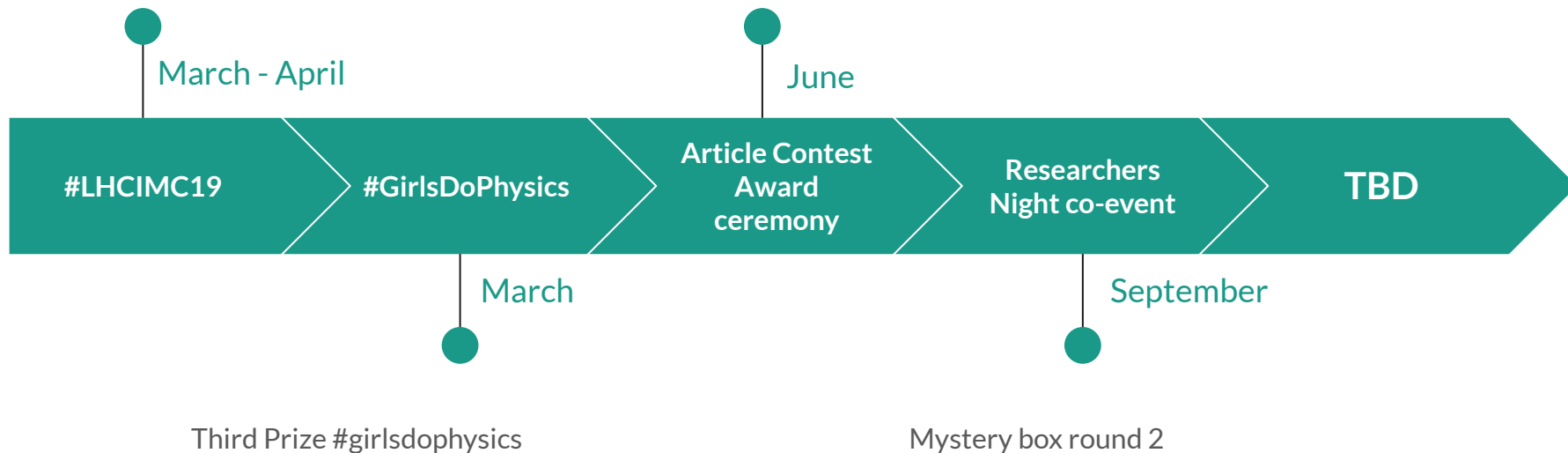


Overview 2019

- International Masterclasses Hands on Particle Physics | CMS experiment
- GirlsDoPhysics | GirlsDoParticlePhysics
- 2 articles promoting science activities are selected to enter in the category “Culture, Science and Technology”
- Virtual visit in September to be linked to the annual event “Researchers Night”

- 2nd edition for Bulgaria
- More locations
- Reach out to more students

#FingersCrossed
Author: Teodora Nikolova





Highlights 2019

#LHCIMC | CMS experiment

- 5 locations
- > 10 schools
- 160 students
- 2 Institutes | 1 Planetarium | OSOS funding



Goals for 2019-2020

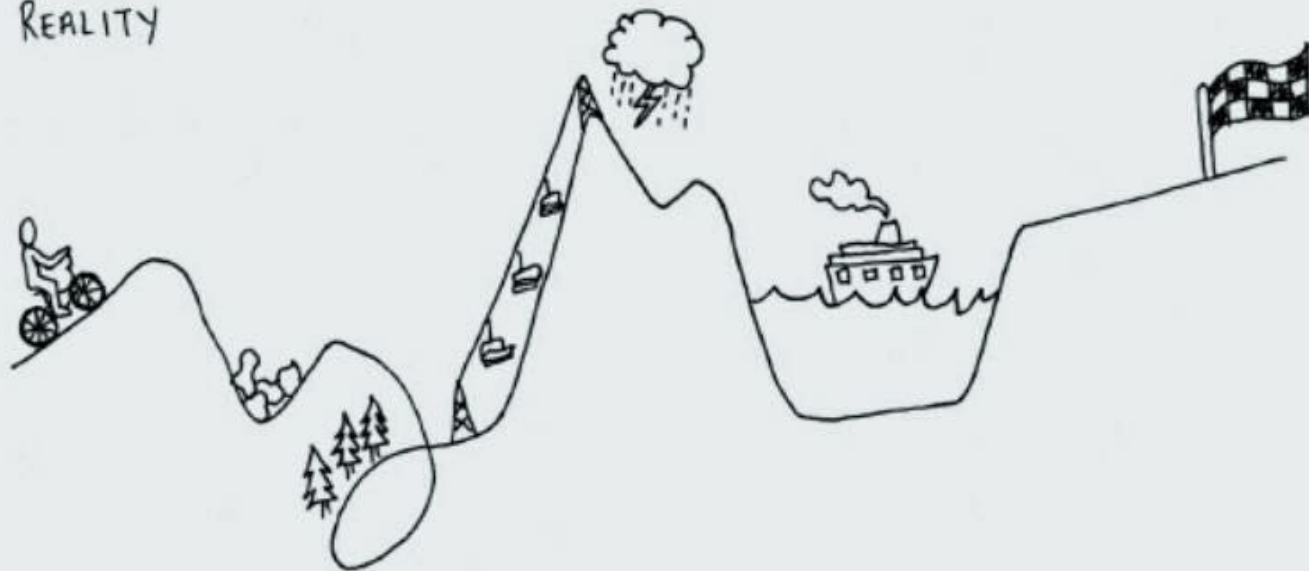
1. Expand the local network of collaborators and science educators
2. Encourage more ArtSci collaborations and joint-projects b/w students/teachers and researchers
3. Continuous collaboration with national organizations promoting science to lay audience
4. Immersive education initiatives/activities
5. **Bulgaria to become official IPPOG member**

Bulgaria and IPPOG

PLAN



REALITY





Responsible parties and decision-making process to sign in the MOU

Ministry of Education and Science

- The Minister of Education and Science was changed twice in the last 2 years
- Very thorough report consisting of all outreach initiatives and benefits of becoming an official member of IPPOG is presented to the current minister of Education and Science

Joint decision between 2 national institutes which are official CERN members

- Bulgarian Academy of Science | Institute for Nuclear Research and Nuclear Energy
- Sofia University “St. Kliment Ohridski” | Atomic Physics Department
- Joint responsibility on the annual fee - **TBA**



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