

ALICE NEW EXHIBITION AND VIRTUAL VISITS ITINERARY



Despina Hatzifotiadou INFN Bologna

16th IPPOG Meeting 16TH IPPOG MEETING; CERN, 5:10.2018/irtua

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ALICE VISITORS' CENTRE



- Real-size poster of ALICE cross section
- Explain basic ALICE components
- ARC (ALICE Run Control Centre)
- Explain LHC operation, data taking
- See physicists at work
- Interactive Window at ARC
- Describe ALICE / its components
- ALICE sociology
- VIEW OF SHAFT, PAD, MAD
- ➢ NEW ALICE EXHIBITION







ALICE INTERACTIVE WINDOW

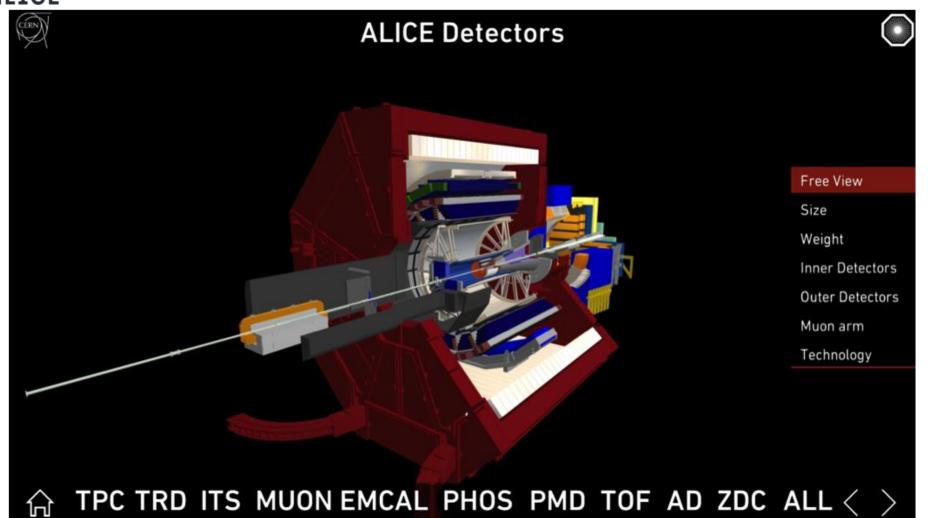






ALICE INTERACTIVE WINDOW

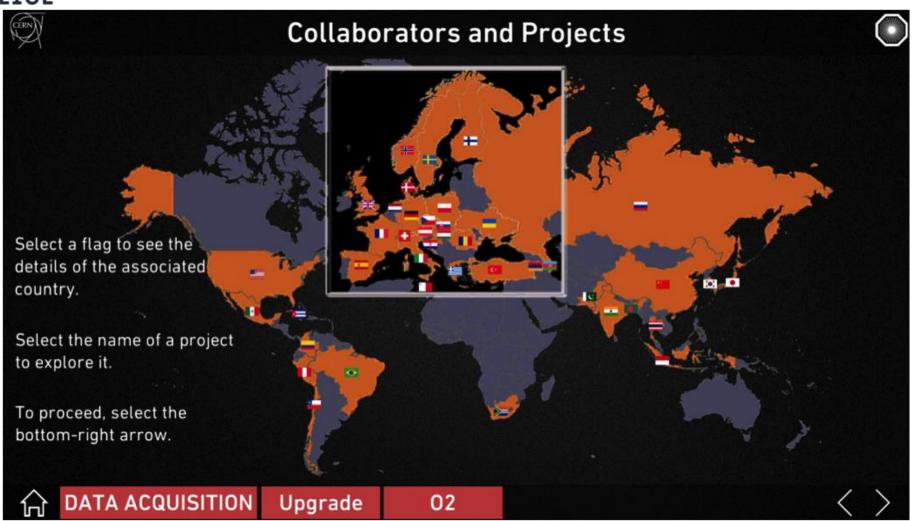






ALICE INTERACTIVE WINDOW



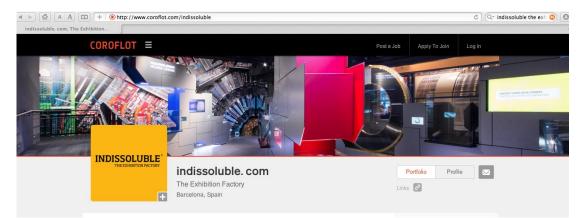




DEVELOPMENT OF THE NEW EXHIBITION



DESIGNED AND REALIZED BY INDISSOLUBLE



- > ALICE OUTREACH AND TECHNICAL COORDINATION
- CERN EDUCATION, COMMUNICATION & OUTREACH
- Discussions with Emma Sanders & Rolf Landua
- CERN MEDIA LAB (Daniel Dominguez)

➢ INSPIRED BY SYNCHROCYCLOTRON



EXTERNAL STRUCTURE



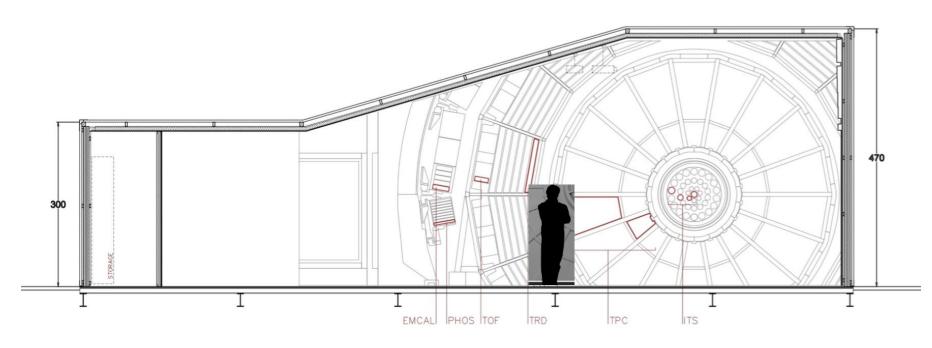


- INSTALL INSIDE CLOSED STRUCTURE
- \geq ~ 100 m² installed above Counting Rooms in SX2
- Ensure acoustic insulation
- Illuminate objects + project introductory film



REAL SIZE MOCKUP



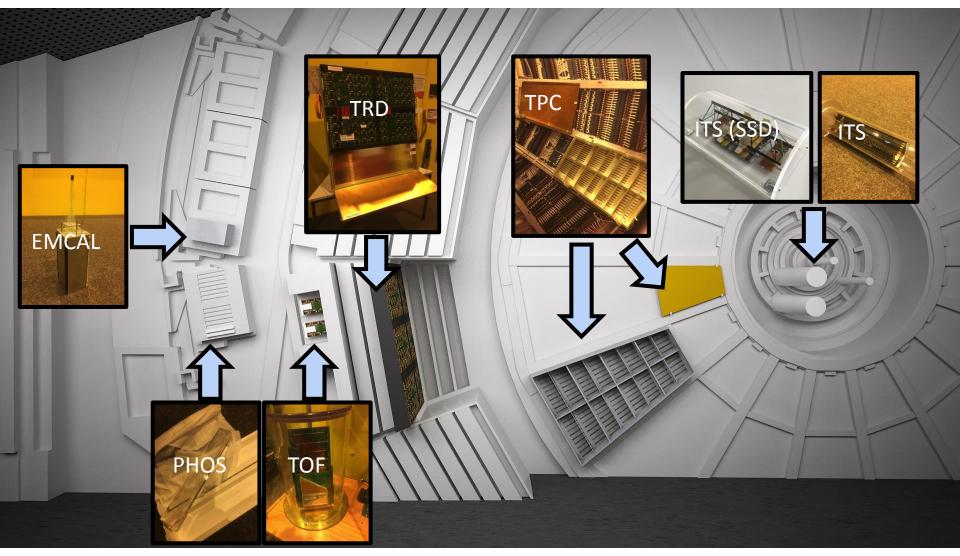


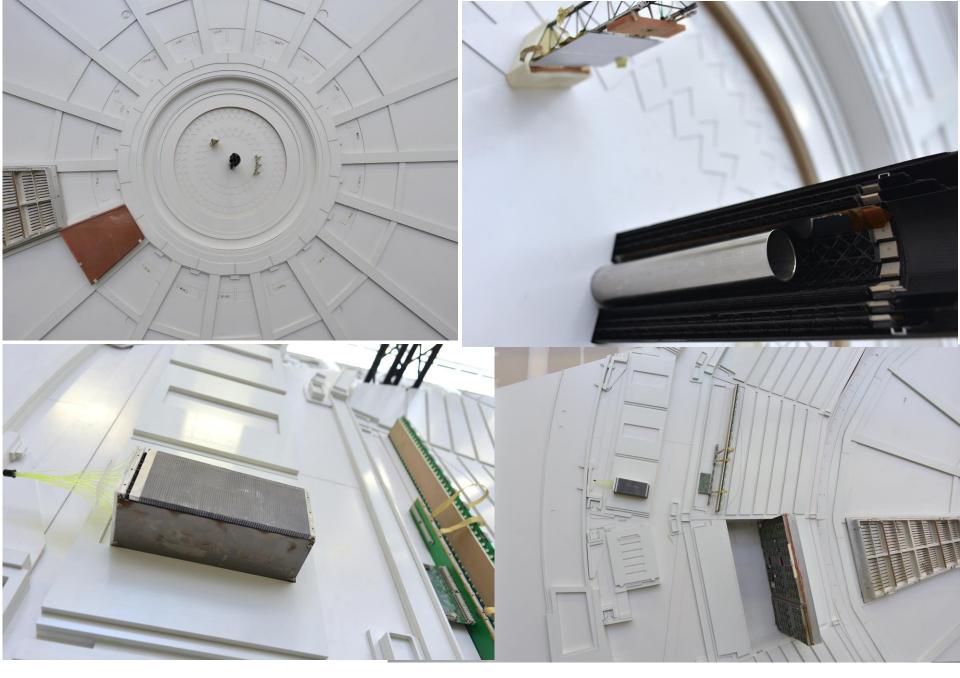
11 m x 5 m wooden mockup detector objects embedded in their true position and orientation Inner Tracking System (ITS) Time Projection Chamber readout chambers (TPC) Transition Radiation Detector (TRD) Time Of Flight MRPC (TOF) Photon Spectrometer PbWO4 crystal (PHOS) Electromagnetic Calorimeter (EMCal)



REAL SIZE MOCKUP - OBJECTS



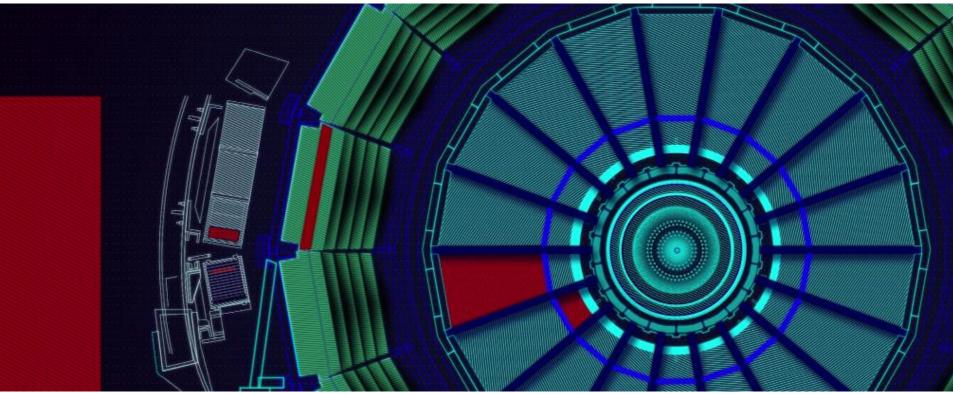






PROJECTION MAPPING ON THE REAL SIZE MOCKUP





- Introductory 7-minute film (on mockup + wall perpendicular to it)
- animation with narration English and French versions
- 10 more languages to be added (order being placed)
- Developed by Indissoluble and CERN Media Lab
- storyboard by ALICE & CERN IR-ECO (Rolf Landua)



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SHOWCASES

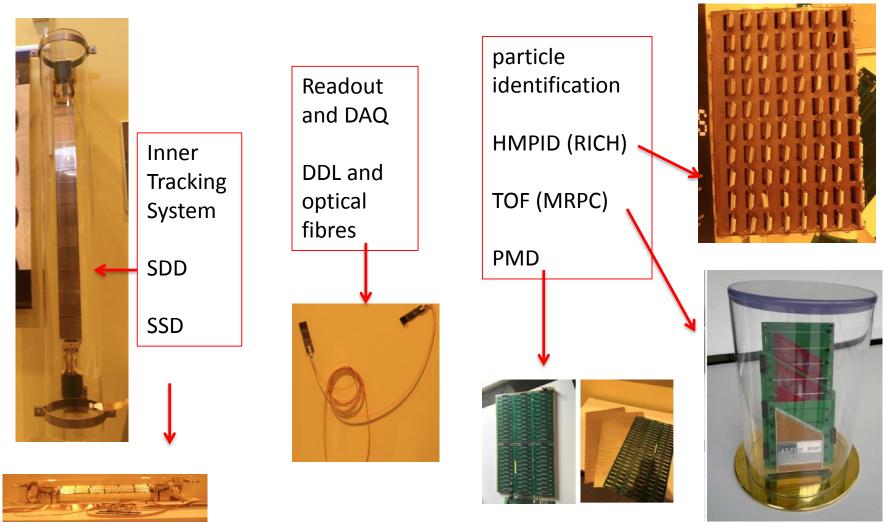






OBJECTS IN SHOW CASES

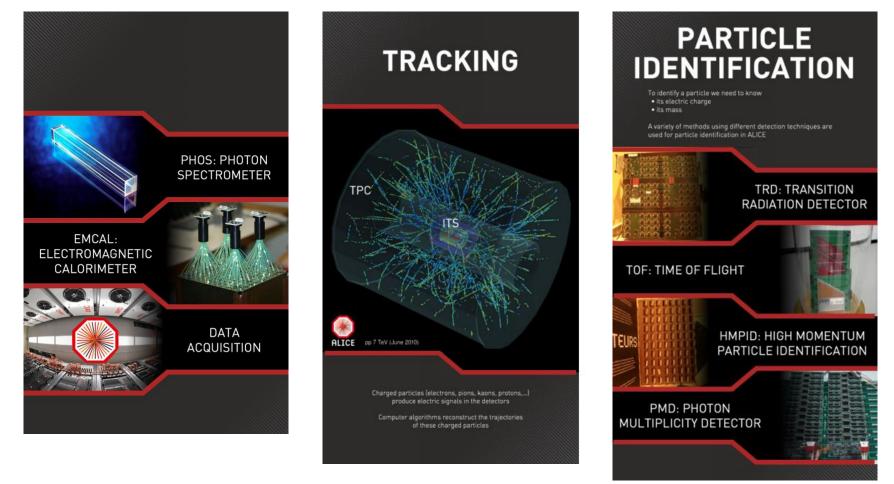


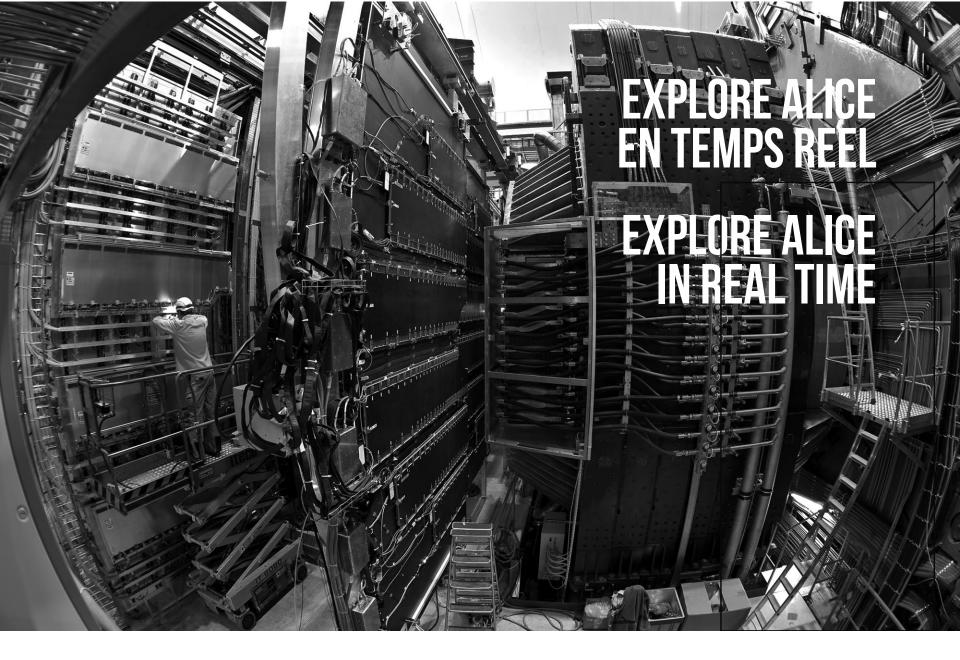




TOUCH SCREENS INSIDE SHOWCASES







EXPLORE ALICE IN REAL TIME (PERISCOPE)



2 cameras in the cavern, connected with pc In front of solenoid / on the muon spectrometer side Possibility to choose, rotate and zoom











JANUARY 2018 INAUGURATION

GUIDES TRAINING :

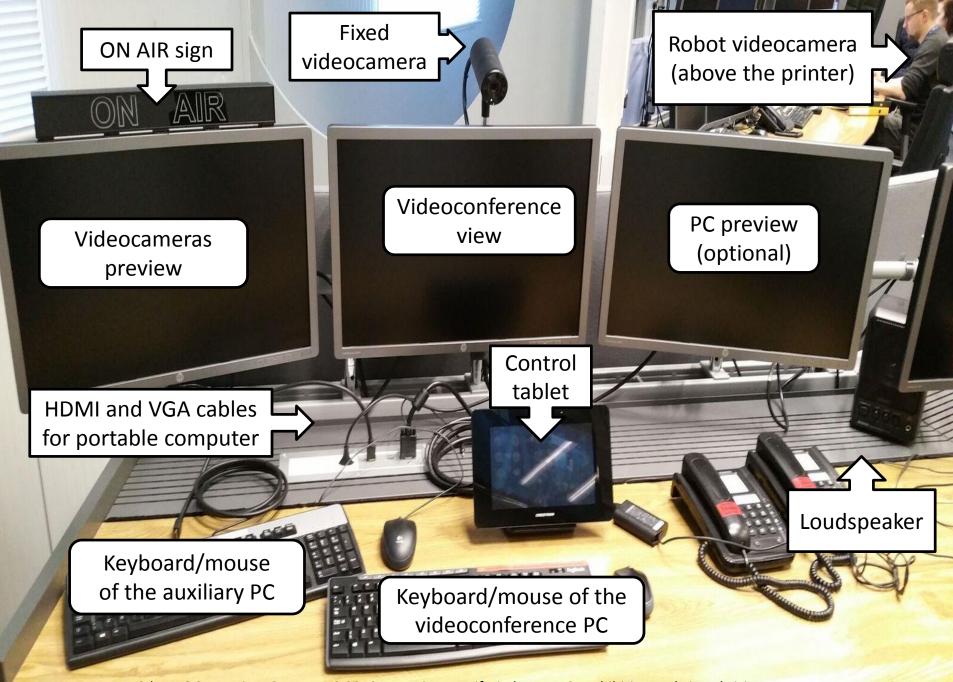
>100 ALICE guides have been trained

- > 50 CERN guides have been trained
- Integrated in CERN visits since April 2018
- To visit : alice.visits@cern.ch

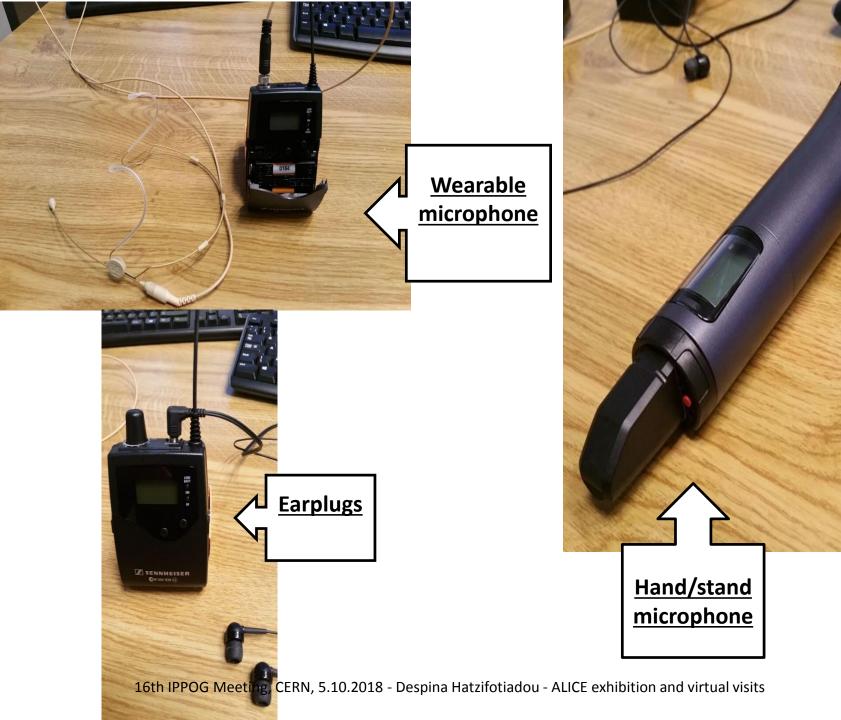




ALICE virtual visits

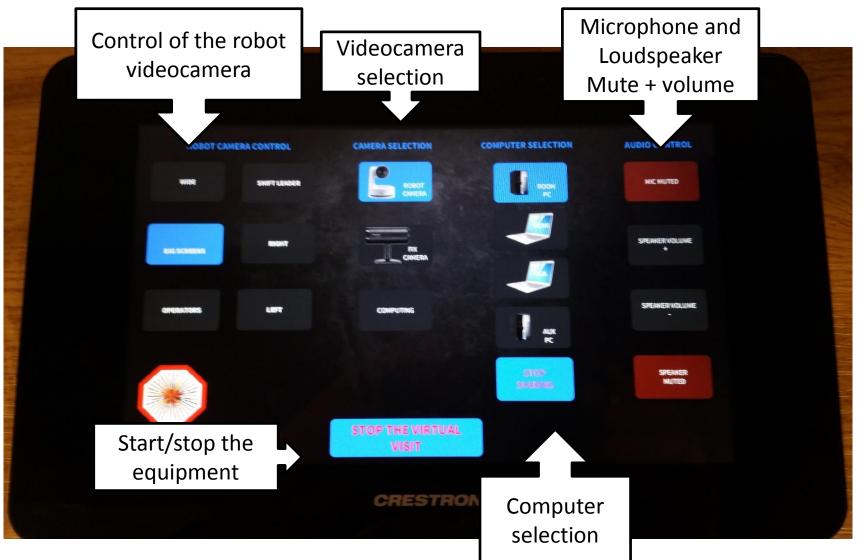


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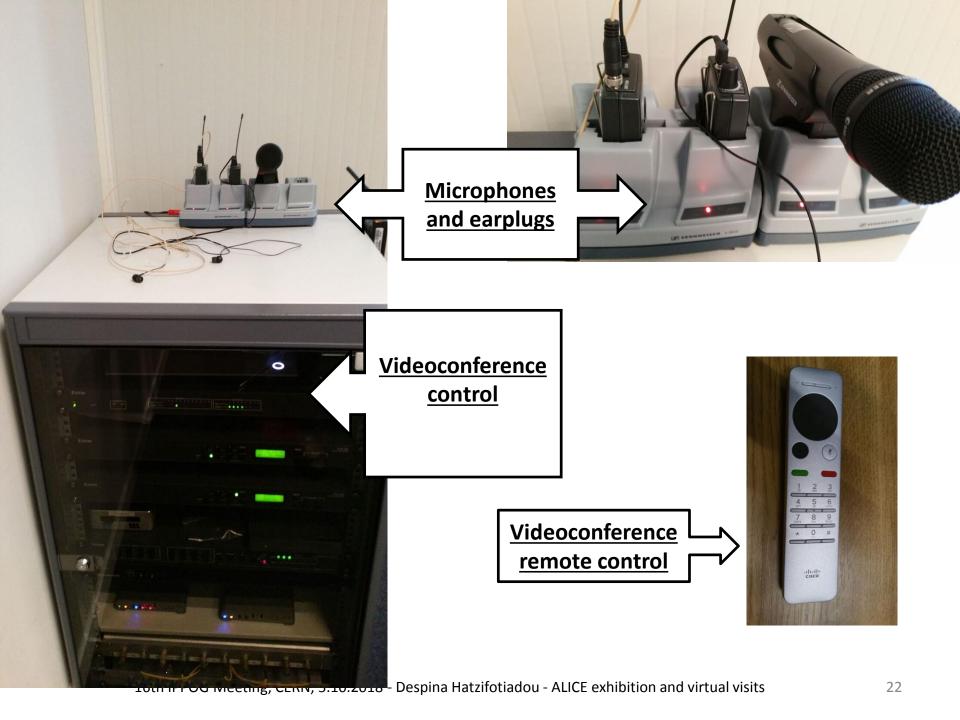






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I N F N







Handling a Virtual Visit via Indico/Vidyo



- Go to the "ALICE Virtual Visits" category (public) (Home » Experiments » ALICE Meetings » ALICE virtual visits).
- Clone a previously declared entry.
- Optional: upload/replace the material (presentations, photos, videos, documents) to be used during the visit.
- To start the visit: connect to the Vidyo room "ALICEVV" (same procedure as for a standard Indico event).
- Clients can connect either via the Indico page of the event or via Vidyo directly at the room "ALICEVV".





October 2018

ALICE virtual visits

13 Oct Virtual Visit with Puebla - Django Girls NEW

September 2018

- 28 Sep Virtual Visit with Metsovio Researchers' Night
- 28 Sep Virtual Visit with Cagliari 2- Researchers' Night
- 28 Sep Virtual Visit with Cracow II Researchers' Night
- 28 Sep Virtual Visit with Cagliari- Researchers' Night
- 28 Sep Virtual Visit with Cracow I Researchers' Night
- 03 Sep Virtual Visit with Scientix (EMP)

July 2018

09 Jul Virtual Visit with EKFE Chanion

June 2018

- 26 Jun Virtual Visit with Thessaloniki (Alkis Hatzopoulos)
- 15 Jun Saint-Petersburg Summer Practice

April 2018

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10 Apr. Saint-Petersburg press conference





Many thanks to:

Roberto Divià (ALICE) for pushing for and following the realization of the project + providing ALICE_Virtual_Visits_User_guide

+ training guides

Thomas Baron for the organization **Loic Lavrut** and **Mathieu Vivier** for all the hard work (installation + making it all work)

To organise a virtual visit contact <u>alice-outreach-virtual-visits@cern.ch</u>

THANKS FOR YOUR ATTENTION