Sharing ATLAS Science Communicating with the public

IS

ATLAS



why do education & outreach?

Inspire the next generation of scientists.
Gain essential communication skills.
Foster scientific literacy.
Combat the global pandemic of mistrust in science.
Encourage support of basic research.

... and have fun!

Public engagement, education and communication in particle physics should continue to be recognised as important components of the scientific activity.

European Particle Physics Strategy Update 2020

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HOW ??

who we are



The outreach team supports the collaboration in communicating the goals and accomplishments of the ATLAS Collaboration to the public.

Who we are:

- Collaboration
- Core team for essential activities
- ones for OTP).

What we provide:

- develop materials and tools for the whole collaboration.
- support direct engagement.

• Two ATLAS Outreach Coordinators elected by the

• Several ATLAS members contributing to projects (key

• public communication content about ATLAS research.

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Creating Content

Main aim: to give public visibility to the ATLAS Collaboration, its goals, successes and members.



We take a diversified approach to reach (very) different audiences, tailoring content to multiple platforms.

The <u>ATLAS public website</u> remains the main hub for public content, with high quality, in-depth material in the form of press statements (since 2012), news (since 2008), physics briefings (since 2014), features, portraits, blogs and evergreen content.

Content is a collaborative effort with ATLAS members and communication experts. News/Statements pushed to Google News to ensure accurate messaging available to public.











Social Media

Key part of our communications - spreading our content to a broader and more diverse audience.

In addition to content on ATLAS website, we create content specifically tailored to social media:

- social media videos, including "elevator-pitch" physics videos (launched during COVID), and feature videos on specific physics results
- live events (next slide)
- twitter threads
- instagram content: multilingual photo stories, quizzes, musical reels, etc.



Also on Linkedin (company & group profiles) and CERN Alumni platform.



(Live) Video

Taking advantage of **algorithm push** for video content from creators. Live videos and events give our audience a change to engage with us directly.

Recent examples include the extensive coverage of the ATLAS new small wheel installation and transport:

- Youtube: <u>360 live event</u> with CERN (160k views)
- Tiktok: Live stream of unwrapping
- instagram: Live coverage & Q&A of transport.
- multi-platform: 2 post-event Videos of <u>unwrapping</u> and <u>descent</u>.
- internal events: live stream of descent and connection during weekly to unwrapping.

Also: <u>Youtube Live</u> lecture series, <u>Open Virtual Visits</u> & participation in LHC Restart & Higgs10 Instagram live









150K views · Streamed 2 months ago



Adapting science to social media

New strategies for COVID

In March 2020, we adopted a completely new social media and content strategy. Focus turned to sharing resources and multimedia, and providing solidarity during start of quarantine period.



How it feels waking up every morning in 2020

MAGE REPORT



Sharing the human side of ATLAS

Launched a social media campaign sharing short clips from ATLAS people working from home.

Members shared their experience & offered some solidarity during the start of the quarantine.

Format & Features

6 video compilations featuring:

- 2 canines
- 3 felines! Instagram and square Twitter/Facebook.

• 22 ATLAS members,

Videos adapted to fit vertical

#Physicistsathome

Opportunity to promote educational material ideal for stay-at-home audiences.

For stay-at-home educators

Promoted educational material ideal for stay-at-home parents, teachers and students:

- ATLAS Colouring book (with new languages added during the campaign)
- #BYOPDatHome competition
- ATLAScraft (Minecraft)

For the bored-at-home

- Google Street View Tour of ATLAS
- 360 video ATLAS tour

For the working-from-home

• ATLAS Zoom backgrounds



available in 13 language newest languages: Spa

🔁 🧕 Free to downloa atlas.cern/colouring-l



The ATLAS Experiment @CERN's Colouring Book is now



Tweet



ATLAS Experiment

Hold your next video-conference at th particle physics experiment! Save the backgrounds of the ATLAS Experimer



12:50 PM · Apr 3, 2020 · Twitter Web App

92 Retweets and comments 333 Likes



233 Retweets and comments 592 Likes

Direct Engagement

SHARING ATLAS SCIENCE | 9 JULY 2022



Virtual/Open Visits

Longstanding Outreach programme, connecting visitors to ATLAS scientists in the ATLAS control room or in the ATLAS Cavern (click here to learn more)

Key stats for 2021:

- 155 visits (152 from underground)
- Visits in 33 countries across every populated continent: from Australia to Venezuela!
- Groups range from 10 to 500 visitors, with highly diverse participants

In 2021, launched Open Visits for single visitors to join. 7 held in 2021 on zoom, 4 on Tiktok.

In 2022, ATLAS held its first Open Virtual Visit on Youtube - engaging directly with audience.





Map of participants in 2021 Virtual Visits (excluding Open Visits)



Visitor Centre

The ATLAS Visitor Centre, originally set up in 2011 was redesigned and reinstalled between 2018 and 2021, and has just **opened its doors to visitors again**.

It is one of the most-visited guided itineraries in the CERN Visit programme.

The exhibition was developed as a joint project between the ATLAS Collaboration and CERN, together with design company Point Prod (Geneva).



ATLAS Event Counter 18,958,975,660,879,047 Higgs bosons delivered 19,028,070



Internal Engagement

Important part of visibility & support within the Collaboration and at CERN in general.

Organising events (Run3 startup in CERN B40), displays (Gingerbread village in CERN R1) & Exclusive Live Streams (NSW lowering).





open to questions!

Summary:

- support to maximise reach
- Social content continues to be very popular
- successful, though of course demand additional resources!

Contact People: outreach coordinators: Rebeca Gonzalez Suarez & Darren Price comms/social media/colouring book: Katarina Anthony, virtual visits: Muhammad Alhroob, open data: Kate Shaw, fact sheets: Ana Maria Rodriguez, cheat sheets: Elise Le Boulicaut, Valerie Buxbaum, website: Steven Goldfarb, visitor centre: Steven Goldfarb, Sascha Mehlhase

• Public communication initiatives require top-down • Adaptations to new formats & challenges have been