



*from CERN to the* *world*

Pedro Ferreira (CERN), Dominic Hollis (CERN)



Home Create event Room booking My profile

### Main categories

Welcome to Indico. The Indico tool allows you to manage complex conferences, workshops and meetings. To start browsing, please select a category below.

CERN-Related Clubs, Associations and Forums	9,256 events
Committees	12,044 events
Conferences, Workshops and Events	10,483 events
Departments	116,959 events
Directorate	507 events
Experiments	866,409 events
Global Indico	10,523 events
Outreach	2,395 events
Projects	74,220 events
Schools, Seminars and Courses	12,030 events
TEST Category	89 events

**News**

- Indico 3.3  
Posted 5 Dec 2023  
Adding images to minutes  
Posted 23 Aug 2022
- Indico 3.2  
Posted 19 Jun 2022

**Upcoming events**

- Data Science Applications in Physics, Balkan ...  
ongoing until Friday
- 10th MEFT Workshop  
starts Tomorrow
- 4th MeV2TeV Workshop  
starts Tomorrow
- Statnett Visit and official signing of MoC  
starts Monday
- 50 years of QCD  
starts 31 Jan 2024
- US Particle Physics for the Next Ten Years  
starts 2 Feb 2024

Help | Contact | Terms and conditions | URL Shortener | Privacy

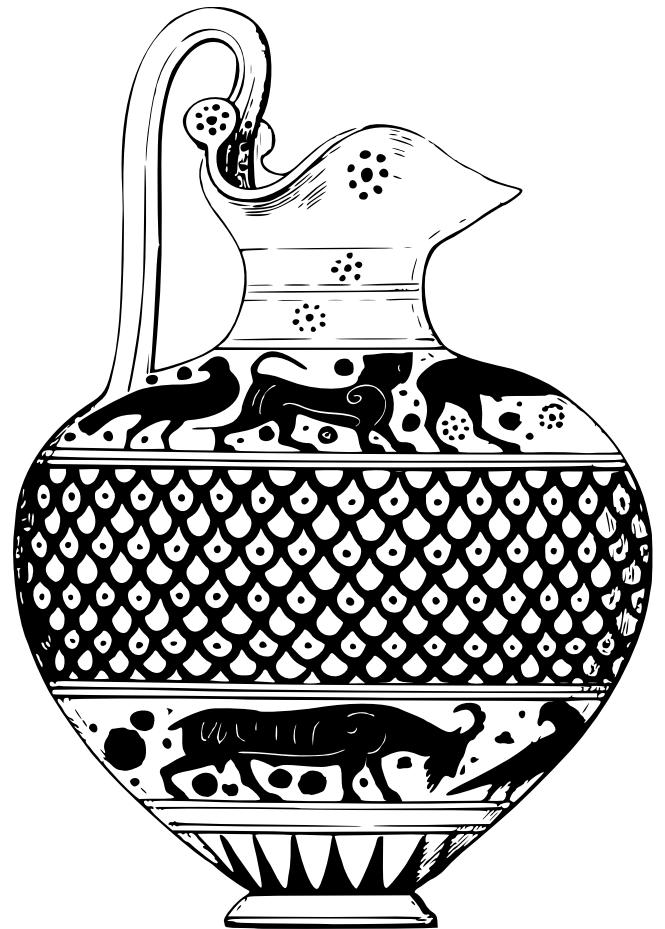
Powered by Indico v3.3-pre



- **Event Management System**
- **Core Developed at CERN**
- **Collaborative effort - Open Source**
- **> 70 developers over the years**
- **~ 250 servers world wide**

# Community





## History

- 1999 - CDS Agenda
- 2002 - EU Project
- 2004 - First Conference
- 2007 - Room Booking
- 2009 - Video Conferencing
- 2013 - First Workshop
- 2015 - UNOG starts using it
- 2017 - Indico 2.0 (**rewrite**)
- 2021 - Indico 3.0 (**Python 3**)
- 2023 - 1 Million Events surpassed at CERN 🎉



## Open Source

- Free redistribution
- Distributed peer review
- Transparency
- Community with common goals



Join Extra Crunch

Login

Search

Startups

Videos

Audio

Newsletters

Extra Crunch

The TC List

Advertise

Events

—

More

## How open-source software took over the world

Mike Volpi @mavolpi • 6:00 PM GMT+1 • January 12, 2019

Comment

It was just five years ago that there was an ample dose of skepticism from investors about the viability of open source as a business model. The common thesis was that [Red Hat](#) was a snowflake and that no other open-source company would be significant in the software universe.

Fast-forward to today and we've witnessed the growing excitement in the space: [Red Hat](#) is being acquired by [IBM](#) for \$32 billion (3x times its market cap from 2014); [MuleSoft](#) was acquired after going public for \$6.5 billion; [MongoDB](#) is now worth north of \$4 billion; [Elastic's](#) IPO now values the company at \$6 billion; and, through the [merger of Cloudera and Hortonworks](#), a new company with a market cap north of \$4 billion will emerge. In addition, there's a growing cohort of impressive OSS companies working their way through the growth stages of their evolution: [Confluent](#), [HashiCorp](#), [DataBricks](#), [Kong](#), [Cockroach Labs](#) and many others. Given the relative multiples that Wall Street and private investors are assigning to these open-source companies, it seems pretty clear that something special is happening.

So, why did this movement that once represented the bleeding edge of software become the hot place to be? There are a number of fundamental changes that have advanced open-source businesses and their prospects in the market.



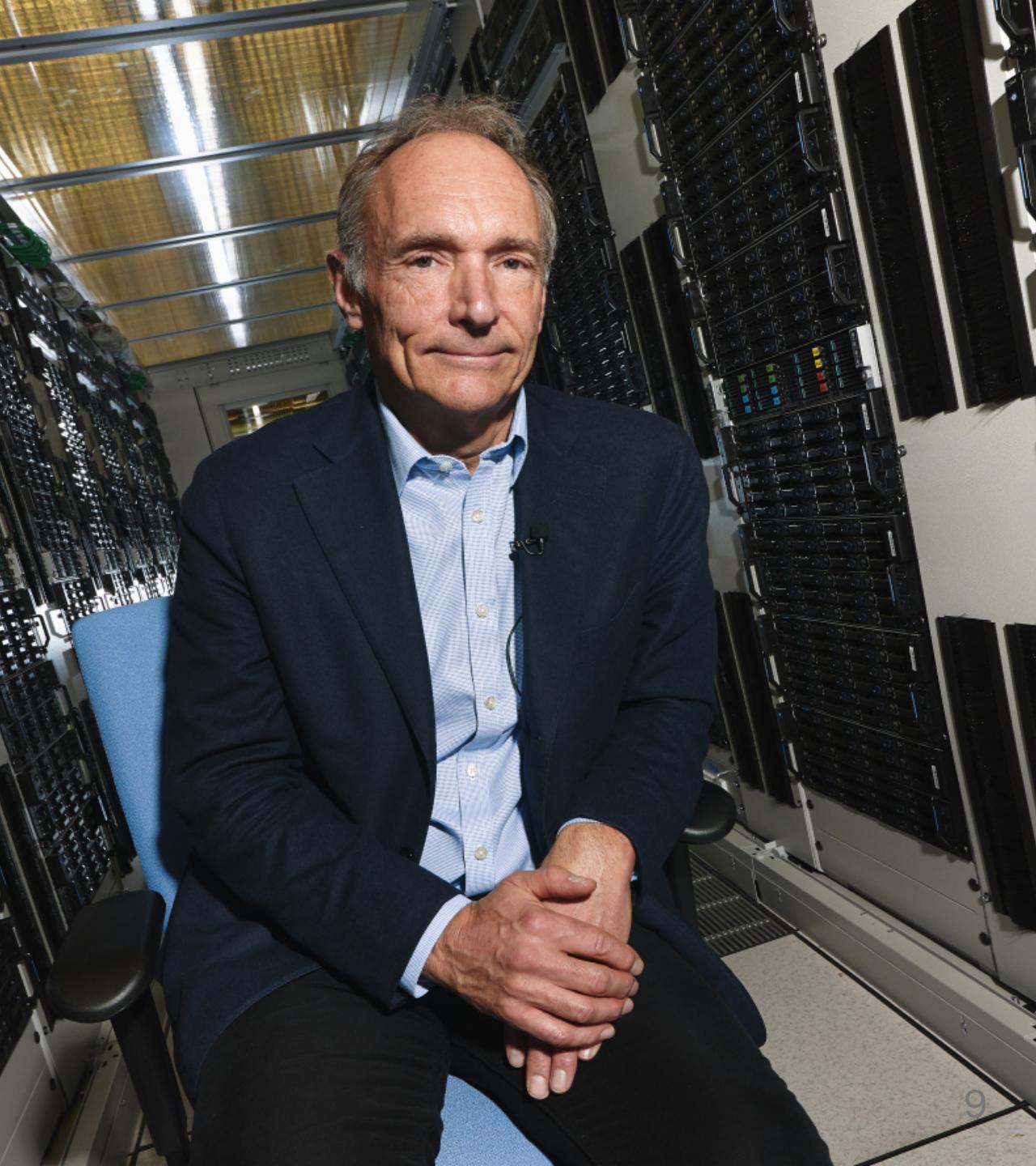
# Open Source

- Powering most of the internet
  - MongoDB, ElasticSearch, MySQL, PostgreSQL, Apache, Linux...
- CERN was a pioneer
  - World Wide Web
  - Indico, Invenio, ROOT...



© Copyright CERN







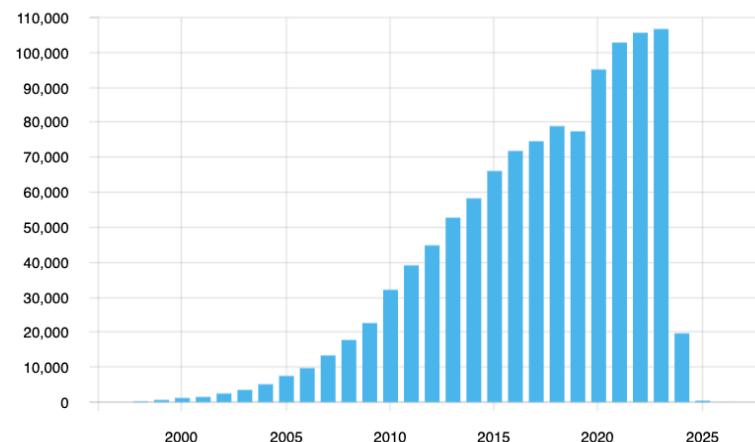
## CERN

- ~17.000 people on campus
- ~230 meeting rooms
- 100.000+ events/year
  - 1.000.000+ events total
- (Distributed) Meetings
- Conferences, workshops

# Adoption at CERN

The 18th International Conference on Strangeness in Quark Matter (SQM 2019) was held from June 10-15, 2019, in Bari, Italy. The website features a header with the conference logo and a photo of the Bari waterfront. The sidebar includes links for Overview, SQM 2019 main website, Timetable, Overall layout, Call for Abstracts, Contribution List, Book of Abstracts, Registration, Fee payment, Participant List, Conference info (with email: sqm2019@cern.ch), and a link to the Conference information page (sqm2019@cern.ch). The registration form is shown below, with fields for Personal Data (Title, First Name, Last Name, Email Address, Affiliation, Country, Member of the Italian Physical Society (SIF), Address) and a note about institution name and address.

## EVENTS BY YEAR

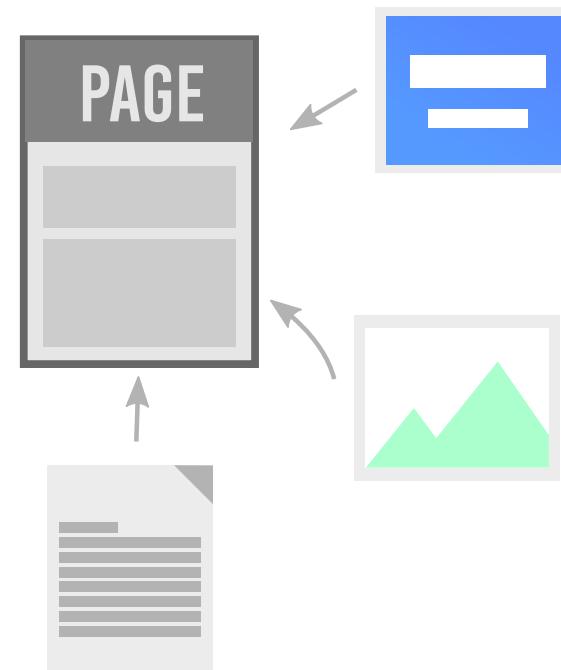


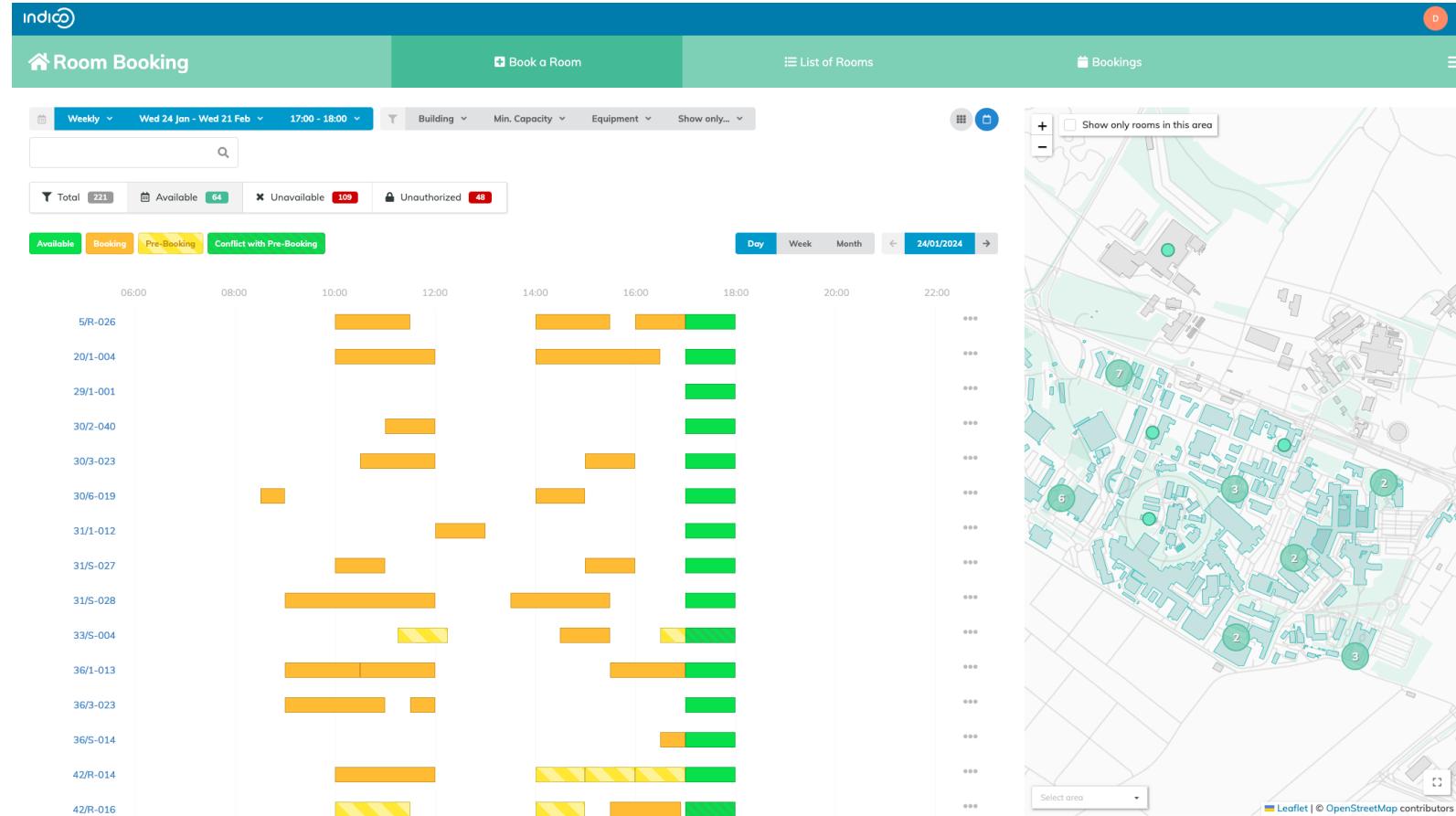
Two screenshots of meeting agendas. The top screenshot is for the FCC-hh physics analysis meeting on Thursday, November 29, 2018, from 16:00 to 18:00 Europe/Zurich at CERN. It includes sessions for Introduction, Update on tqq constraints from single top production, Update on Htt>4b, and Update of Htt>bb4l. The bottom screenshot is for the Rucio Development Meeting on Thursday, February 18, 2021, from 15:00 to 16:00 Europe/Zurich at CERN. It includes a News section listing two releases this week (1.24.3 post1, 1.24.4) and a Release schedule (1.24.5 Feb-22, 1.25.0 Mar-1, 1.25.1 Mar-22, 1.20.13 LTS Feb-22, 1.25.0 Feb-25, 1.25.0 Mar-1... Mar-5).

# CONFERENCES WORKSHOPS



# MEETINGS LECTURES







## Philosophy

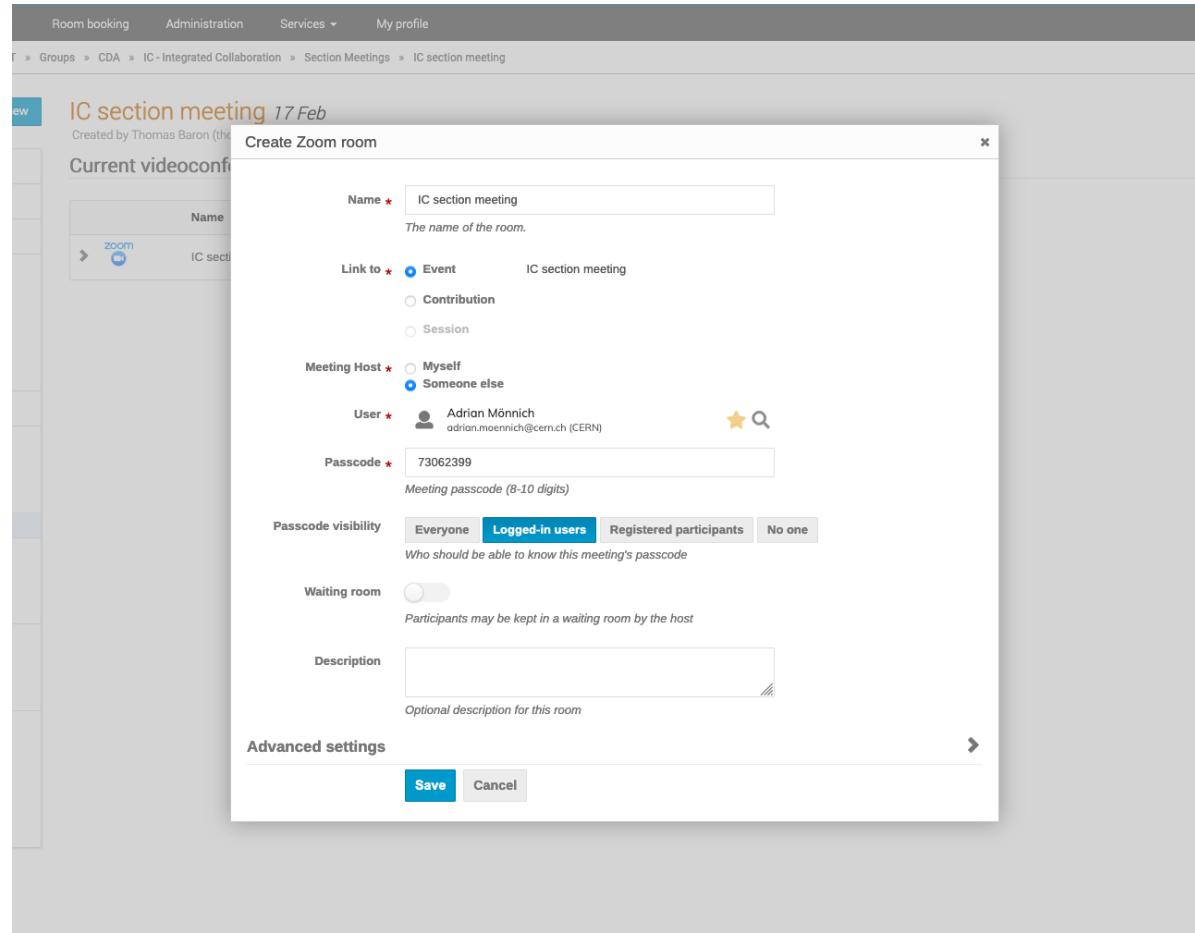
- "Agnostic" core
- Extension through **plugins** 🧩
- **Themes** 🎨 (customization)

## Extensions

- Video conferencing 
- Payment Systems 
- Automatic conversion to PDF 
- Search 
- Storage 
- URL Shortening 
- Internal Workflows (e.g. recording, visitors)

# Zoom

The screenshot shows a Zoom meeting registration interface. At the top, it displays the title "IC section meeting". Below the title, it shows the date and time as "Wednesday 17 Feb 2021, 09:00 → 10:21 Europe/Zurich" and the organizer as "Thomas Baron (CERN)". There is a "Check details" button with a pencil icon. The "Registration" section indicates that the user is registered for the event. The "Participants" section lists several names: Adrian Mönnich, Giacomo Tenaglia, Hannah Short, Maria Dimou, Mathieu Vivier, Paolo Tedesco, Paweł Grzywaczewski, Pedro Ferreira, Radosław Soroka, René Fernandez Sanchez, and Rubén Domingo Gaspar Aparicio. The "Videoconference Rooms" section shows a room named "IC section meeting" with a "Join" button.



[https://github.com/indico/indico-plugins/tree/master/vc\\_zoom](https://github.com/indico/indico-plugins/tree/master/vc_zoom)

# Electronic Payment

## Payments

Event-wide payment settings



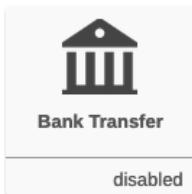
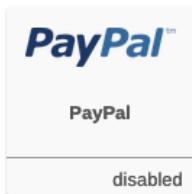
### General settings

Configure general settings for payments.



Configure

## Payment methods



# Workflows

## White Area - Summary of the CS3 2021 Conference *29 Mar*

Created by Pedro Ferreira ([paulo.ferreira@cern.ch](mailto:paulo.ferreira@cern.ch)) from event on 22 Feb 2021

### Logistics

---

You can request additional services for your event. Click one of the service buttons below to send a request or to view/modify an existing request.



# Access Registration

 **Vehicle Registration**

Are you bringing  
your own car?  YES

License plate

 If you are bringing your own car, please make sure you type in the **correct** license plate number!  
Otherwise **you won't be able to enter the site!**

(All the fields marked with \* are mandatory)

# Webcast / Recording

## White Area - Summary of the CS3 2021 Conference 29 Mar

Created by Pedro Ferreira (pedro.ferreira@cem.ch) from event on 22 Feb 2021

### Services

#### Webcast / Recording

 There is a contribution in a room which does not have webcast/recording equipment. This contribution will not be webcast/recorded.

Services **\***  Webcast 

Recording 

Please choose whether you want a webcast, recording or both.

#### Webcast Audience

No restriction - everyone can watch the public webcast 

Select the audience to which the webcast will be restricted

#### Comments

If you have any additional comments or instructions, please write them down here.

**Send request**

Back

# Hotdesks

The screenshot shows the Indigo Burotel hotdesk booking interface. At the top, there's a navigation bar with tabs for "Book a Desk", "List of Spaces", and "Bookings". Below the navigation is a search bar and filters for "Daily", "Location", "Building", "Equipment", and "Experiment". A date range from "Thu 1 Feb - Thu 8 Feb" is selected. Below the filters, there are buttons for "Total 591", "Available 86", "Unavailable 61", and "Unauthorized 454". The main area displays a list of desks grouped by location:

- 15**  
15/R-014  
15/R-014 - Desk 4 LHCb  
LHCb  
✓ 🔍
- 15/R-016**  
15/R-016 - Desk 2 LHCb  
LHCb  
✓ 🔍
- 15/R-016**  
15/R-016 - Desk 4 LHCb  
LHCb  
✓ 🔍
- 15/R-022**  
15/R-022 - Desk 2 LHCb  
LHCb  
✓ 🔍
- 15/R-024**  
15/R-024 - Desk 2 LHCb  
LHCb  
✓ 🔍

To the right, a map shows the location of these desks. The map includes a legend for "Show only rooms in this area" and a "Select area" dropdown. Specific desks are marked with red circles containing numbers: 653, 8, 20, 17, x17, 42, and x2. The map also shows various buildings and green spaces.

# Themes / Customization

The screenshot shows the Indico web interface for the International Linear Collider (ILC) Agenda. The top navigation bar includes the ILC logo, the title "International Linear Collider :: Agenda", and dropdown menus for "Europe/Zurich", "English (United Kingdom)", and "Login". Below the header is a dark grey navigation bar with links for "Home" and "Create event". The main content area has a light blue header "Main categories". A search bar with placeholder text "Enter your search term" and a magnifying glass icon is positioned at the top right. To the right of the search bar are buttons for "Create event", "Navigate", and icons for calendar and eye. The main content area displays a list of categories with their respective event counts:

Main Category	Event Count	Action
ILC International Development Team	502 events	↗
Machine Design	2,157 events	↗
Physics and Detectors	4,154 events	↗
Conference and Workshops	119 events	↗
Institutions	1,172 events	↗
Linear Collider Collaboration	177 events	↗
Test Area	101 events	↗

To the right of the category list is a "News" sidebar with a speaker icon. It lists three news items:

- Indico 3.3**  
Posted 21 Dec 2023
- Indico 3.2**  
Posted 22 Jun 2022
- Indico 3.1**  
Posted 6 Jan 2022

At the bottom left is the Indico logo and the text "Powered by Indico v3.3-pre". At the bottom right are links for "Help | Contact".

# Themes / Customization

The screenshot shows a meeting agenda for the FCC-hh physics analysis meeting. The agenda includes four sessions:

- 16:00 → 16:10 Introduction**  
Speakers: Filip Moortgat (CERN), Heather Gray (LBNL)  
FCC\_intro\_Nov29.pdf
- 16:10 → 17:00 Update on tqq constraints from single top production**  
Speaker: Lev Dudko (M.V. Lomonosov Moscow State University (RU))  
2018-11-29-FCC\_FC...
- 17:00 → 17:30 Update on HH->4b**  
Speakers: Ana Carvalho (Universidade de Lisboa (PT)), Ricardo Jose Morais Silva Goncalo (LIP Laboratorio de Instrumentacao e Fisica Experimental de Part)  
FCCphysics\_hhbbb...
- 17:30 → 17:50 Update of HH->bb4l**  
Speaker: Elisa Fontanesi (Universita e INFN, Bologna (IT))  
FCC-hh meeting (29...

# Themes / Customization



Due to the ongoing Covid-19 pandemic the in-person Higgs conference at Stony Brook/BNL is postponed to 2021. Nevertheless, Higgs 2020 will proceed online this year.

Follow us on Twitter: @HiggsConference

**Higgs 2020** (former Higgs Couplings) is this year's installment of an annual conference devoted to new experimental and theoretical results on the Higgs boson. The 2020 conference will present the latest results from the LHC on the Higgs boson mass, spin/parity, and couplings and will present new theoretical work devoted to the measurement of Higgs parameters and possibilities for exotic Higgs decays. The conference will provide an opportunity for critical discussion of the current strategies for studying the Higgs boson at the LHC and the next steps beyond the LHC. Higgs 2020 will include several sessions of parallel contributions on current research topics.

**Zoom connection for Plenary Sessions**  
<https://cern.zoom.us/j/97061949349>

**Zoom connections for Parallel Sessions**

**Session A (Precision):** <https://cern.zoom.us/j/99197698239>

**Session B (Yukawa):** <https://cern.zoom.us/j/94061343557>

**Session C (HH):** <https://cern.zoom.us/j/94128951251>

Source: https://cernweb.cern.ch/cernweb/conference/Higgs2020

[all categories](#) **Categories** Latest Top

Category	Topics
<b>Administrators</b>	585
For exchanges and requests for help regarding installation, maintenance and administration of Indico.	
■ Migration from 1.2 to 2.0	
<b>Announcements</b>	19
For official announcements from the indico team, e.g. about new releases.	
<b>General Discussion</b>	513
Topics that don't need a category, or don't fit into any other existing category.	
<b>Internationalization and Localization</b>	43
Coordination of translation groups and general advice on translating Indico to other languages.	
<b>Development</b>	222
Discussions on the development of Indico plugins and modules.	
■ Accessibility ■ Plugin Development	
<b>Site Feedback</b>	4
Discussion about this site, its forum, how it works, and how we can improve it.	

Latest		
 Welcome to the Indico Community Forums	2	Aug '17
 How to configure SAML SSO with Ping?	0	5h
 Indico 3.2 released [v3.2.8]	15	20h
 LDAP group membership resolution	1	21h
 Translation into Vietnamese language	1	1d
 Can Indico be used for managing sporting events	1	8d
 Reverse proxy internal IP	10	9d
 Creating an event via HTTP API	6	9d
 Session & registration	2	12d
 Japanese (ja) translation group	16	12d
 Polish (pl) translation group	141	13d

## Conclusion

- Extensible event management system
- Open Source
- Mature and actively maintained
- Ecosystem of plugins: official + 3rd party
- Thriving community
- Everyone is welcome!

[getindico.io](https://getindico.io)

X [@getindico](https://twitter.com/getindico)



Indigo