



*from **CERN** to the* The globe icon is a small, stylized representation of Earth with green continents and blue oceans.

Pedro Ferreira (CERN)

The screenshot shows the Indico web interface. At the top, there's a navigation bar with links for Home, Create event, Room booking, Administration, Services, and My profile. The main content area has a title "Main categories". Below it, a message says "Welcome to Indico. The Indico tool allows you to manage complex conferences, workshops and meetings. To start browsing, please select a category below." On the left, there's a sidebar with a list of categories and their event counts:

Category	Events
CERN-Related Clubs, Associations and Forums	6,324 events
Committees	7,598 events
Conferences, Workshops and Events	7,821 events
Departments	62,533 events
Direktorat	256 events
Experiments	552,745 events
Global Indico	2,700 events
Outreach	751 events
Projects	44,124 events
Schools, Seminars and Courses	9,240 events
TEST Category	141 events

On the right, there's a news feed with items like "Coming to CERN by car?", "New URL shortener available", and "Changes in Assistance workflows". Below the news is a section for "Upcoming events" with entries such as "XXVI Cracow EPIPHANY Conference, LHC Ph...", "FIPS 2020: Planning meeting", and "Quarkonia As Tools 2020".

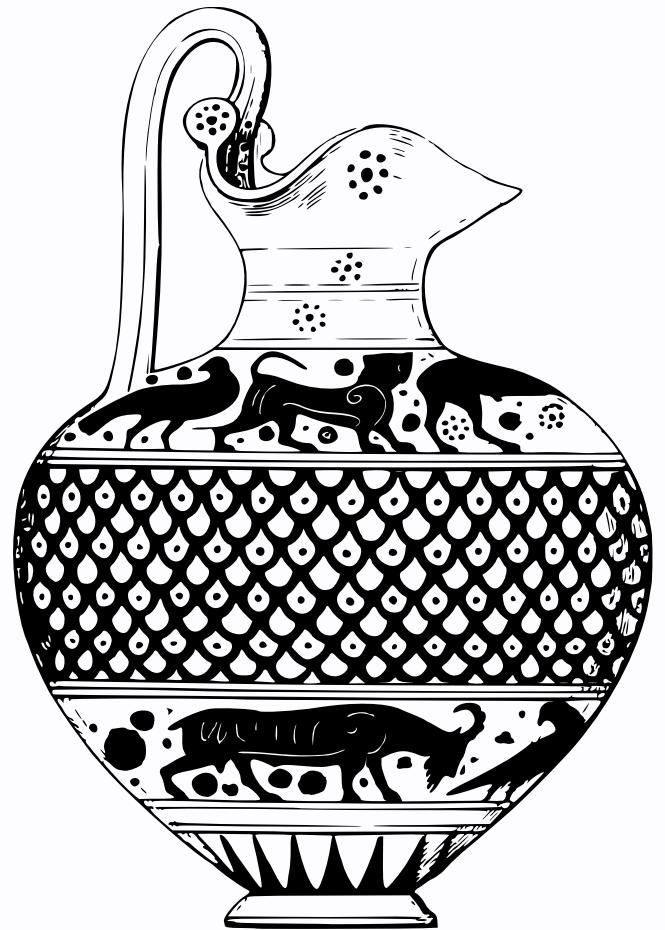
At the bottom, there's a footer with links for Help, Contact, Terms and conditions, and URL Shortener. The CERN logo is also present.



- **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)



Open Source

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



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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, DataBrics, 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.



Mike Volpi
Contributor



Mike Volpi is a general partner at Index Ventures. Before co-founding the firm's San Francisco office with Danny Rimer, Volpi served as the chief strategy officer at Cisco Systems.

More posts by this contributor
• Mike Volpi on the art of board membership

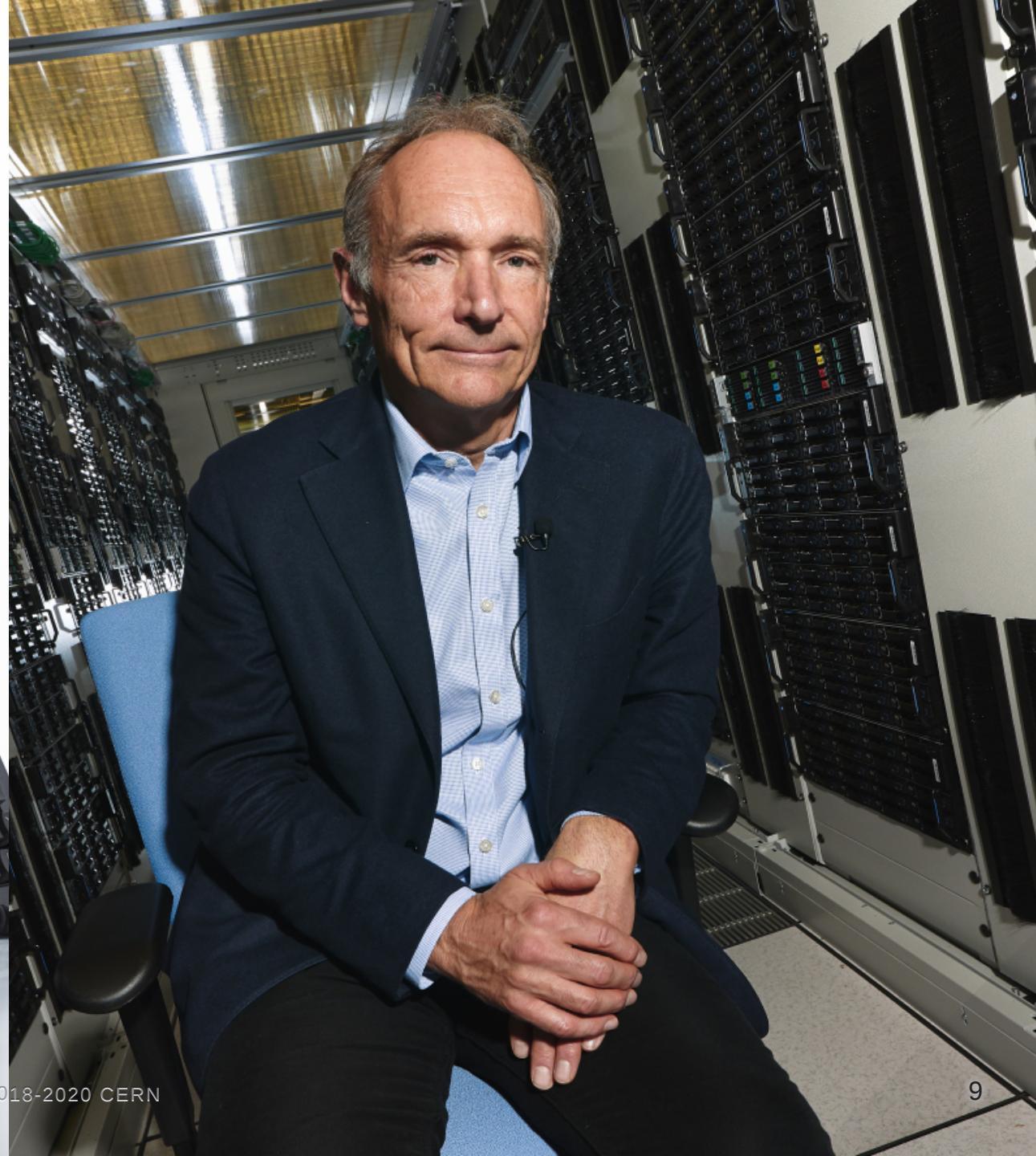
Open Source

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





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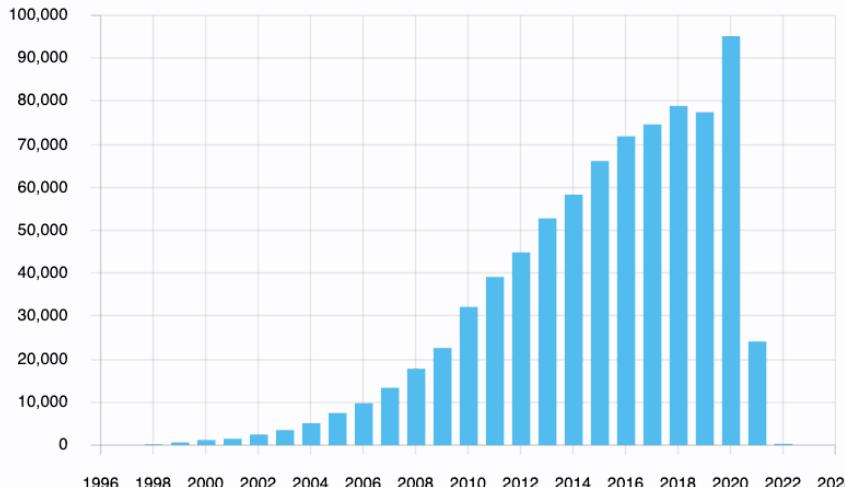
CERN

- **~10.000** people on campus
- **~230** meeting rooms
- **~80.000** events/year (pre-COVID)
 - **800.000** events total
- (Distributed) Meetings
- Conferences, workshops

Adoption at CERN

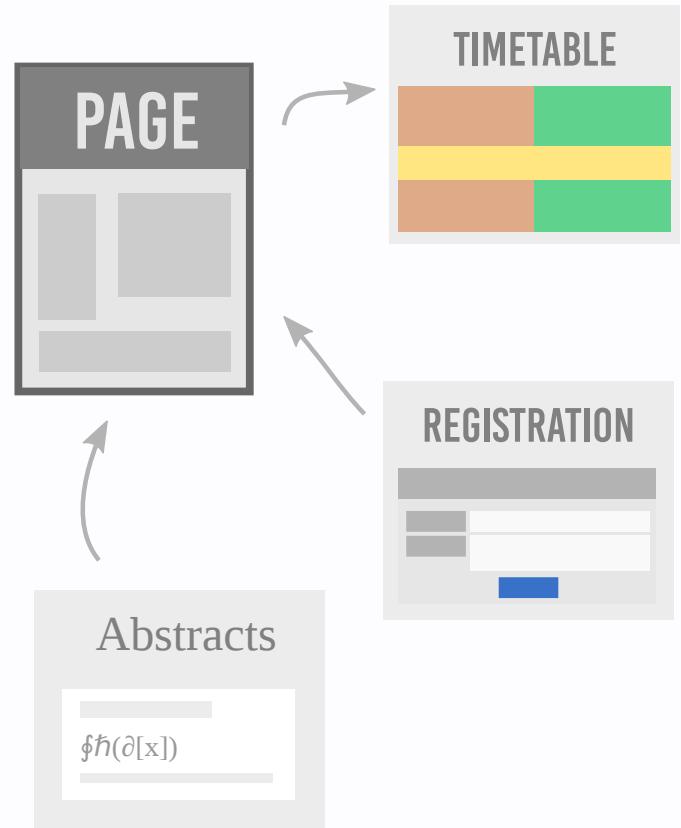
The screenshot shows the official website for the 18th International Conference on Strangeness in Quark Matter (SQM 2019) held in Bari, Italy from June 10-15, 2019. The header features a night view of the Bari waterfront. The sidebar includes links for Overview, SQM 2019 main website, Timetable, Overall layout, Call for Abstracts, Contribution List, Book of Abstracts, Registration, Fee payment, Participant List, Conference info (with email: sqm2019@bna.infn.it), and a registration form. The registration form asks for Personal Data (Title, First Name, Last Name, Email Address, Affiliation, Country, Member of the Italian Physical Society (SIF), and Address). It also includes a note about institution name and address.

EVENTS BY YEAR

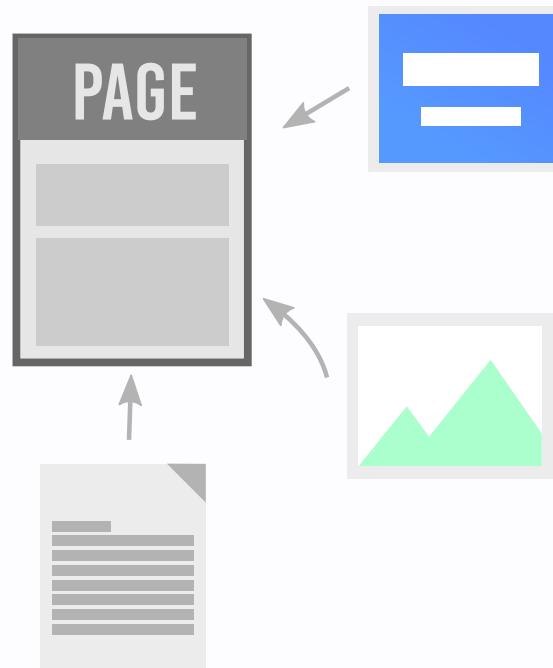


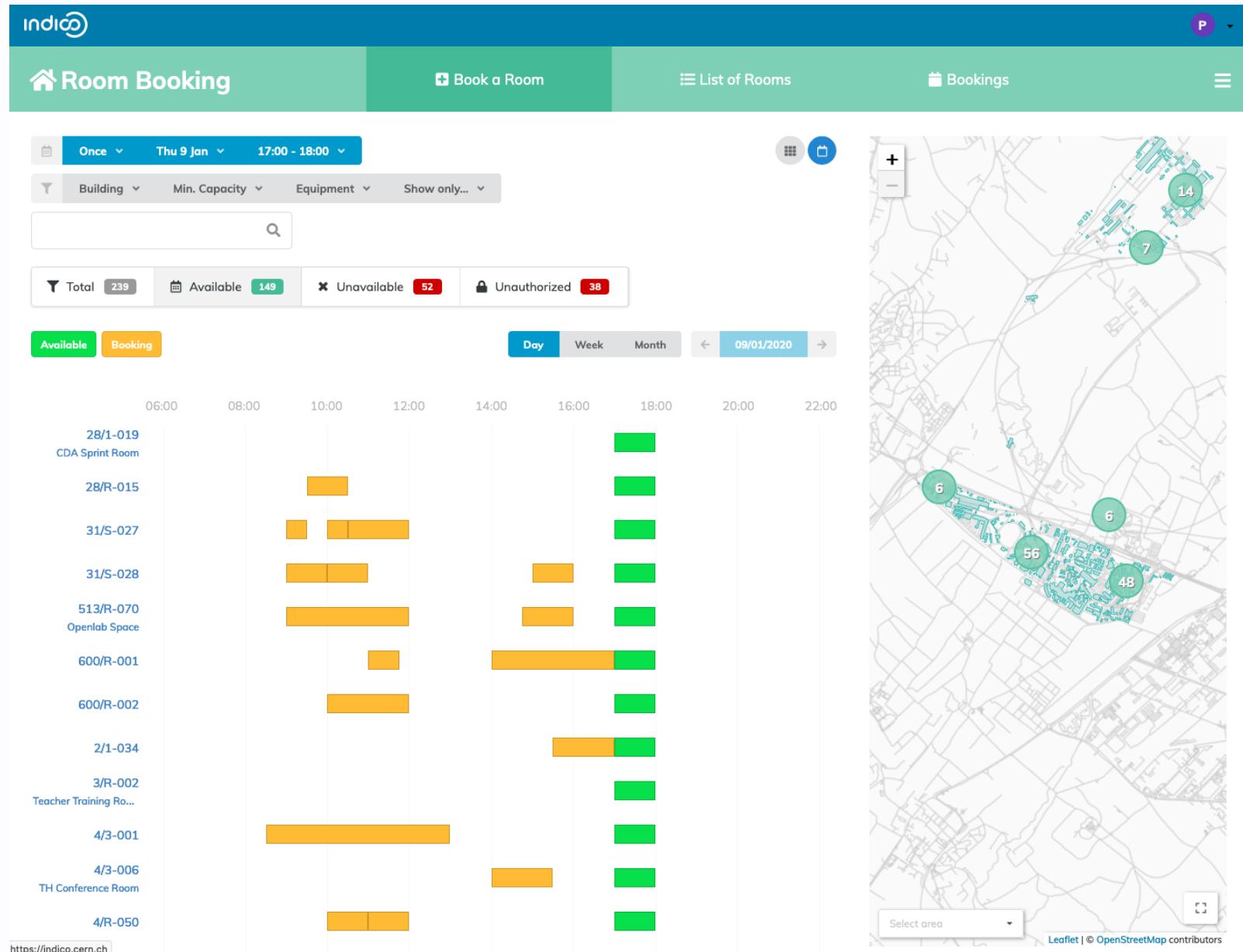
The screenshots show three different video conference interfaces. The top one is for the FCC-hh physics analysis meeting on November 29, 2018, featuring speakers Filipp Moortgat and Heather Gray. The middle one is for the Rucio Development Meeting on February 18, 2021, featuring speaker Martin Barisits. The bottom one is a general news update from Rucio, listing two releases this week (1.24.3 and 1.24.4), a release schedule (1.24.5 on Feb 22, 1.25.0 on Mar 22), and a code freeze from Feb 24 to Mar 5. All interfaces include a 'Join' button and a 'Minutes' section.

CONFERENCES WORKSHOPS



MEETINGS LECTURES







Philosophy

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

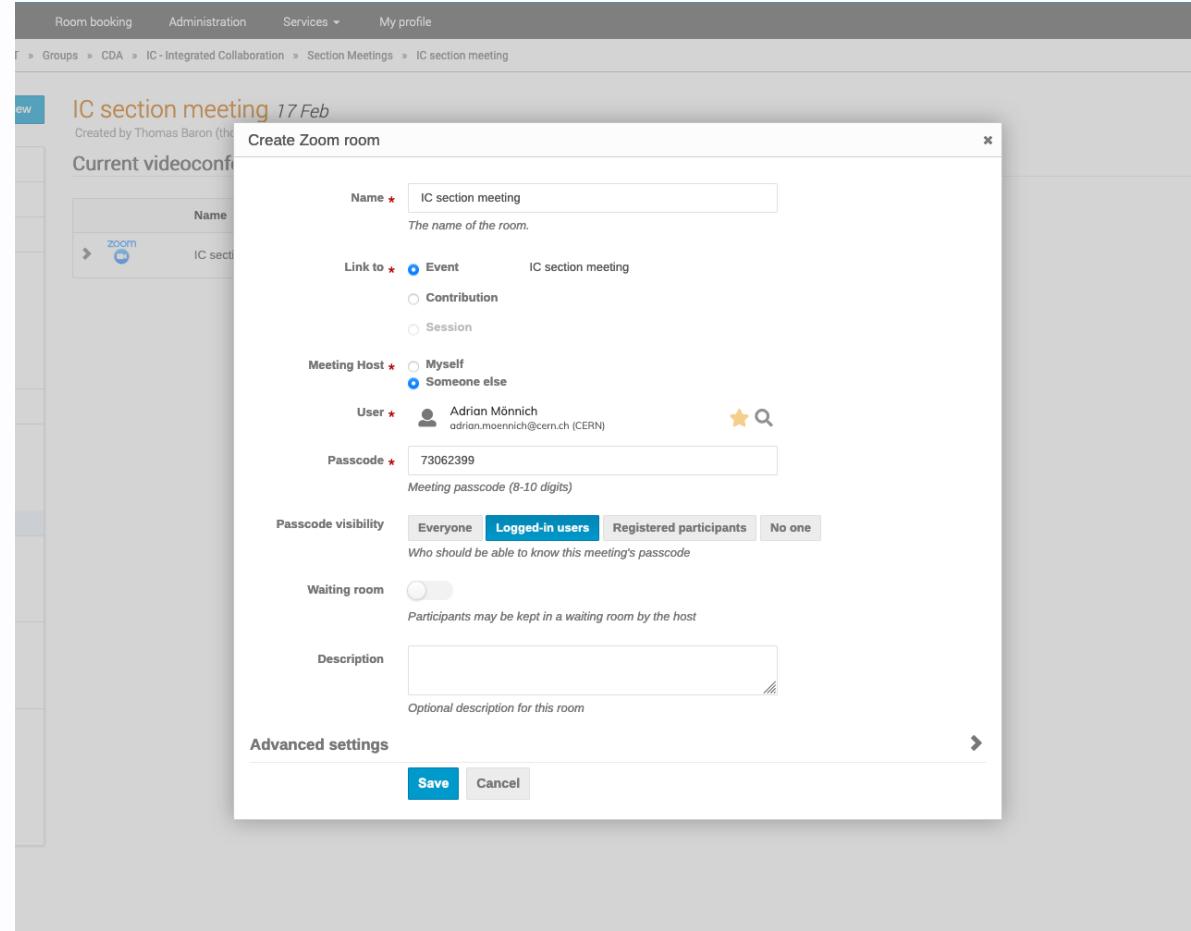
Extensions

- 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 page. At the top, it says "IC section meeting". Below that, the date and time are listed as "Wednesday 17 Feb 2021, 09:00 → 10:21 Europe/Zurich". A participant named "Thomas Baron (CERN)" is shown. The "Registration" section indicates "You are registered for this event." with a "Check details" button. 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 "IC section meeting" with a "Join" button.

https://github.com/indico/indico-plugins/tree/master/vc_zoom



Electronic Payment

Payments

Event-wide payment settings



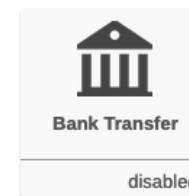
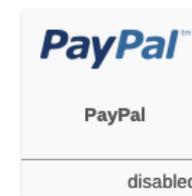
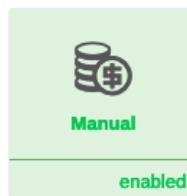
General settings

Configure general settings for payments.



Configure

Payment methods



enabled

enabled

disabled

disabled

Workflows

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

Created by Pedro Ferreira (pedro.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)

Apply

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 Indico Burotel interface for managing hotdesk bookings. The top navigation bar includes links for 'Book a Desk', 'List of Spaces', and 'Bookings'. The main search bar allows filtering by 'Building', 'Equipment', and 'Experiment'. Below the search bar, a summary shows the total number of desks: Total 624, Available 487, Unavailable 35, and Unauthorized 102.

The interface displays three sections of desks:

- 1/R-030:** Contains two desks labeled "1/R-030 - Desk 01/02 ALICE" and "1/R-030 - Desk 02/02 ALICE". Both desks are listed as ALICE and have orange and blue status icons.
- 8/1-018:** Contains three desks labeled "8/1-018 - Desk 01/03 CMS", "8/1-018 - Desk 02/03 CMS", and "8/1-018 - Desk 03/03 CMS". All three are listed as CMS and have orange and blue status icons.
- 12/1-010:** Contains one desk labeled "12/1-010".

To the right, a map shows the location of these desks across a campus. Specific desks are highlighted with numbered circles (e.g., 12, 50, 143, 16, 13) and colored dots (blue for available, red for unavailable). A legend indicates that blue dots represent available desks and red dots represent unavailable desks. A checkbox on the map allows users to "Show only rooms in this area".

Themes / Customization

The screenshot displays the Indico web application interface. At the top, there is a dark blue header bar with the "ilc" logo, the text "International Linear Collider :: Agenda", and navigation links for "Europe/Zurich", "English", and "Login". Below the header is a dark grey navigation bar with "Home" and "Create event" buttons. The main content area has a light gray background and features a title "Main categories" with a "Create event" button and a "Navigate" dropdown. A welcome message reads: "Welcome to Indico. The Indico tool allows you to manage complex conferences, workshops and meetings. To start browsing, please select a category below." Below this message is a table listing categories and their event counts:

Category	Events
ILC International Development Team	79 events
Machine Design	2,137 events
Physics and Detectors	3,557 events
Conference and Workshops	117 events
Institutions	1,152 events
Linear Collider Collaboration	177 events
Test Area	101 events

To the right of the main content area is a sidebar titled "News" with a "more..." link. It lists three news items:

- Indico 2.3 - "Made at home"** (Posted 16 Sep 2020)
- Indico 2.2** (Posted 7 Aug 2019)
- LC Agenda replaces ILCAgenda** (Posted 19 Nov 2013)

At the bottom of the page, there is a footer with the "indico" logo, the text "Powered by Indico v2.3.4-pre", and links for "Help | Contact".

Themes / Customization

The screenshot shows a digital agenda for the FCC-hh physics analysis meeting. The top header includes the Future Circular Collider logo, the meeting title "FCC-hh physics analysis meeting", the date "Thursday 29 Nov 2018, 16:00 → 18:00 Europe/Zurich", and the location "CERN". The agenda lists 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



The screenshot shows the homepage of the Higgs 2020 conference website. The header features a large, stylized 'H' logo with particle tracks emanating from it, set against a dark background. The text "Online conference" is displayed above the date "October 26-30". On the left, there's a sidebar with a navigation menu:

- Overview (selected)
- Call for Abstracts
- Timetable
- Registration
- Session conveners
- Participant List
- Contribution List
- Special event
- Bulletins
- Chairs and speakers infos
- Zoom connection links
- Breakout Rooms
- Committees

The main content area contains the following text:

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>

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

Category	Topics
Development Discussions on the development of Indico plugins and modules. 	9 / month
Administrators For exchanges and requests for help regarding installation, maintenance and administration of Indico. 	7 / month
Internationalization and Localization Coordination of translation groups and general advice on translating Indico to other languages.	1 / month
General Discussion Topics that don't need a category, or don't fit into any other existing category.	3 / month
Announcements For official announcements from the indico team, e.g. about new releases.	8
Site Feedback Discussion about this site, its forum, how it works, and how we can improve it.	3

Latest		
	Welcome to the Indico Community Forums	2 Aug '17
	HTML rendering helpers for Models in Indico? 	20 12h
	Template not rendering correctly 	7 17h
	Error when trying to access Plugin interface 	4 18h
	'Company' object in Indico 	10 2d
	Updating Indico from v2.2-dev to latest? 	5 2d
	Multiple registration fees 	5 2d
	"Stealing" a specific table style 	2 2d
	(Community) conference w/out call for abstracts? 	2 3d
	Translation workflow? 	10 4d

Conclusion

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

getindico.io

 @getindico



Indigo