



The Future

Post-2.0 Indico

Immediate Plans

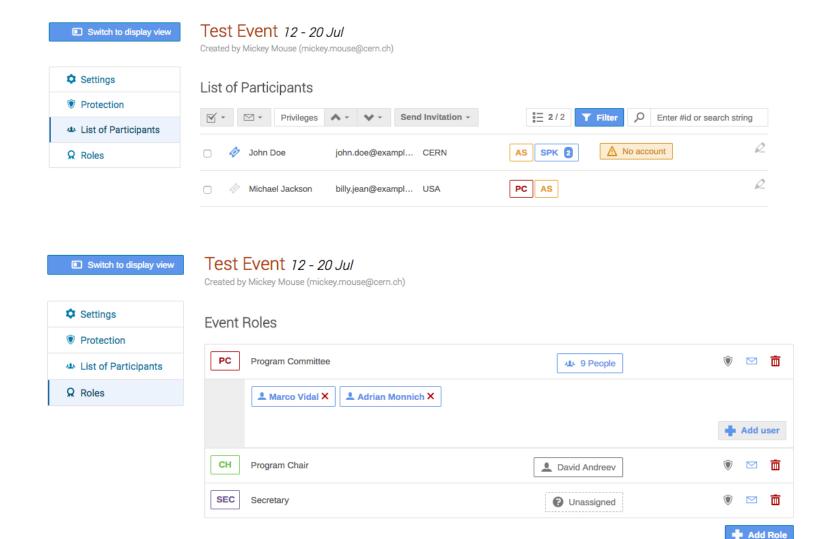
Get to a final 2.0 public release

Experience at CERN confirms stability

Documentation is now ready

Indico 2.1

Conference Management Improvements
Role Subsystem, Abstract mgmt. Improvement
I18n – more languages, more coverage





Test Event 12 - 20 Jul

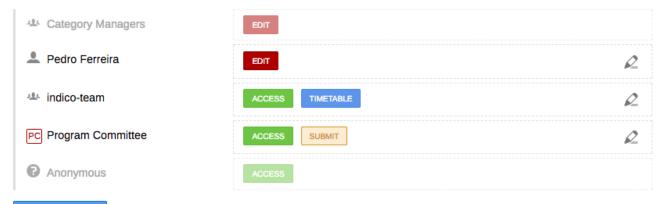
Created by Mickey Mouse (mickey.mouse@cern.ch)



Event Protection



Permissions



Add entry *

Manage Roles

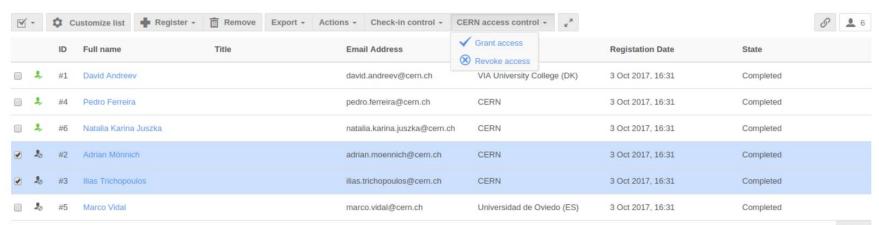
E-Tickets & Badges

New access request 3 oct

Created by Natalia Karina Juszka (natalia.karina.juszka@cern.ch

Registration

List of registrations for "Regform 1"



Back

Clone to -







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VISITOR / VISITEUR

06.MAY.2016 - 30.JUN.2017

COMPANY / SCHOOL / INSTITUTE













Room Booking (2.2)

UX in need of improvements

A priority to CERN & experiments

UX in need of improvements

Stack needs to be modernized (e.g. Mako → Jinja)

Timeline – early 2018

Long-term Plans

2018 – 2021 – Conferencing tools
 Continuous improvement
 Targeting larger and more complex events
 More flexibility (and complexity!)

Containerization

CERN moving to containers, e.g. OpenShift Useful for everyone else

"Time Bombs"

Angular 1.x

Has to go away, only Reg. Form using it

Python 3

2.7 will eventually be phased out

Good news is that we're not that behind



House Cleaning

```
Remaining legacy Python
   Only ~3% of code, mostly PDFs
Legacy JavaScript
   But we have to agree on the future first!
Mako
   Will hopefully be solved with 2.2!
```

House Cleaning

Management of JS dependencies

Currently Git submodules
Considering Webpack



ia Jed @ a9d03e1	Added JS translation using Jed	3 years ago
angular @ 88f19a8	[FIX] Accidentally modified angular commit	4 years ago
a chartist.js @ fbf1f37	Add chartist.js submodule	2 years ago
ckeditor @ 20af917	Add ckeditor (4.6.2) as submodule	6 months ago
clipboard.js @ 402c9ee	Update clipboard.js to 1.5.16	6 months ago
compass @ d5997d7	[FIX] Bad import	4 years ago
ia dropzone @ 7ca4dc4	Add Dropzone.js	2 years ago
fullcalendar @ 4eef482	Add fullcalendar.js library	a year ago
igplot @ af2cc67	Add jqplot to external modules	3 years ago
ia jquery @ 1472290	Recent node version	2 years ago
iguery-tablesorter @ 829d379	Make room search results sortable	2 years ago
iguery-typeahead @ b086900	Update typeahead to 2.6.1	a year ago
iguery-ui-multiselect @ 2489720	[FIX] Reverted change in jqui-multiselect-widget	4 years ago
mathjax @ d4ab1b3	Update to MathJax 2.6.1	a year ago
moment.js @ f3fbef9	Use moment.js from repo	2 years ago
a outdated-browser @ 43225b6	Add "outdated browser" warning	7 months ago
pagedown @ f2c3c3b	Update pagedown	a year ago
ia qtip2 @ d146271	[IMP] SASS support, dependency fetching	4 years ago
rrule @ 4e629db	Update moment.js 2.0.0 -> 2.8.3; add rrule.js	3 years ago
selectize.js @ 47e0486	Update selectize.js to v0.12.4	8 months ago
taggle.js @ ba7aa7d	Update taggle.js to 1.11.1	9 months ago
typewatch @ 1d9a7a8	Update typeWatch and move it to external modules	a year ago
ia ui-sortable @ 6b79634	[ADD] Add ui-sortable to ext_modules	4 years ago
a underscore @ e4743ab	Update underscore to 1.8.3	a year ago

Technical Challenges (2018)

After the backend, time for frontend clean-up!

Much easier to tackle though!

Need for a client-side framework, webpack

Dealing with larger events

Finding a suitable client vs. server balance

More dynamic, data-driven management pages

Functional Challenges

Mobile Devices

A product like Indico should do better

Apps are expensive to develop/maintain

Search

Not yet CERN's focus

Maybe the community will solve it first?

The Project

Project Sustainability

In a better position than a few years ago

But growth requires more and more investment!

Community

Helping mostly with bug fixes and i18n right now

Perhaps the new plugin system will help?

Contributions

Who does the code belong to?

To the developer (or his/her employer)

Project can distribute it under the same license

Need for CLAs

Indico was GPL since the beginning

Code contributions have been modest overall

Considering move to permissive license

Conclusion

```
Longest, most-ambitious sub-project done!
   We're now moving on to new things!
   Modern large SW Projects are in constant change
Technical debt and old libs will always be there
   We just need to be aware and keep them under control
Indico 2.0 is much more than code
   Plugins, Documentation, Development tools...
   Looking forward to seeing what you come up with!
```

Questions?