Introduction	Why	Interlude	How	Who

Open Source at CERN: our OSPO

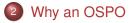
Javier Serrano on behalf of the CERN OSPO Team

CERN, Geneva, Switzerland

CERN Open Source Program Office Inaugural Event 28 November 2023

Introduction	Why	Interlude	How	Who
000000	0000	ooooooooo	0000	000
Outline				





- Interlude: some CERN examples of Open Source
- 4 How the OSPO will operate



Introduction	Why	Interlude	How	Who
●○○○○○	0000	ooooooooo	0000	000
Outline				



- 2 Why an OSPO
- Interlude: some CERN examples of Open Source
- 4 How the OSPO will operate
- 5 The team

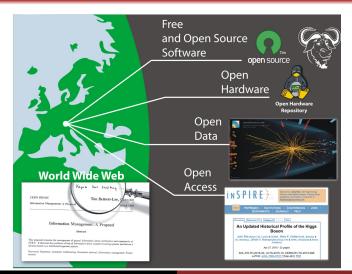
Introduction	Why	Interlude	How	Who
○●○○○○	0000	00000000	0000	000
Disseminat	ion			



 Introduction
 Why
 Interlude
 How
 Who

 How to interpret one's dissemination mandate in the





CERN OSPO Team

Open Source at CERN: our OSPO

Introduction	Why	Interlude	How	Who
	0000	೦೦೦೦೦೦೦೦	0000	000
The CERN	I OSPO			

The CERN OSPO is an open and inclusive service, working internally across departments with and for the entire CERN community, and externally as a visible interface to potential partners and the interested public. It is a consultation body providing advice.

See https://cds.cern.ch/record/2879995 for its abridged mandate.

Introduction	Why	Interlude	How	Who
000000				

Our mandate in a nutshell

Internally

- Consult, advise, train on Open Source best practices, tools, licenses, etc.
- Advise on open-sourcing CERN software, gateware and hardware.
- Identify/track FOSS dependencies for critical services.
- Advise CERN management on Open Source matters.

Externally

- Showcase CERN contributions to Open Source.
- Facilitate partnerships with external entities.
- Promote CERN as an Open Source lab.

Introduction	Why	Interlude	How	Who
00000				

Other things the OSPO will do:

- Maintain a catalogue of open-source software and hardware published by CERN.
- Organise courses in collaboration with Learning & Development Group.
- Liaise with Purchasing Group in matters regarding the procurement of open-source products.
- Define metrics for Open Source adoption at CERN and publish a yearly report.

Introduction	Why	Interlude	How	Who
	●○○○	00000000	0000	000
Outline				

- 1 Introduction
- 2 Why an OSPO
- 3 Interlude: some CERN examples of Open Source
- 4 How the OSPO will operate
- 5 The team

Introduction	Why	Interlude	How	Who
	0000			

To answer recurrent questions

From designers/developers

"I want to open-source my work. How should I do it? How to find the time to open-source right? How to create and nurture a thriving community around my project?"

Introduction	Why	Interlude	How	Who
	0000			

To answer recurrent questions

From management

"How are we fulfilling our Open Science mandate as regards software and hardware? What pieces of open-source software do we strategically depend on? How are we making sure they are sustainable?"

Introduction	Why	Interlude	How	Who
	0000			

To answer recurrent questions

From outside CERN

"What is CERN's contribution to the world in software and hardware? What is the position of CERN on issue xyz related to Open Source?"

Introduction	Why	Interlude	How	Who
	0000	●○○○○○○○	0000	000
Outline				



2 Why an OSPO

Interlude: some CERN examples of Open Source

How the OSPO will operate

5 The team

CERN DD/C			
The Web			
Introduction 000000	00000000	How 0000	Who 000

Information Management: A Proposal

Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext system.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project control

See https://home.cern/science/computing/birth-web/licensing-web

Introduction	Why	Interlude	How	Who
		0000000		

Indico (https://getindico.io/)



November 28, 2023 CERN
Europe/Zurich timezone
There is a live webcast for this event.

Overview

Timetable

Registration

Videoconference

Speakers

How to get there

CERN OSPO Team

Open.Source@cern.ch

Welcome to CERN's OSPO!

Please join us for the inaugural event to celebrate its birth, whether you are a member of the community or an interested guest!

Below is the registration for joining the inaugural event in person on November 28th. A live webcast is also available for that day. Join us!

The inaugural event is followed by a more community/CERN focused workshop on the next day (Nov 29th). Details for the second day are available here.



CERN 81/R-003C - Science Gateway Auditorium C Go to map

Introduction	Why	Interlude	How	Who
		00000000		

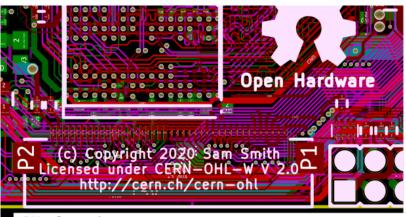
InvenioRDM partners

https://inveniosoftware.org/products/rdm/



Introduction		Vhy 5000	Interlude ○○○○●○○○○	How 0000	Who 000
ROO	T Data An	alysis Fra	mework (ht	tps://root.c	ern/)
sta.					
Q.	ROOT Data Analysis Framew	About Install rork	Get Started Forum & Help Man	ual Blog Posts Contribute For Dev	relopers Q
		ework used by high energy physic			
i	Learn more Install v6.28/06				
	→		\sum	Olo	
	Start	Reference	Forum	Gallery	

Introduction	Why	Interlude	How	Who
	0000	○○○○○●○○○	0000	000
KiCad				





@supyrow 9 years ago

That is the sexiest thing I have seen in a long time. THANK YOU THANK YOU CERN !!!



(from https://www.youtube.com/watch?v=CCG4daPvuVI)

Introduction	Why	Interlude	How	Who
	0000	○○○○○○●○○	0000	000

White Rabbit



www.ohwr.org/projects/white-rabbit/wiki/wrcompanies

Introduction 000000	Why 0000	Interlude ○○○○○○○●○	How 0000	Who 000

0		1	
	non	ana	commercial
\mathbf{U}		anu	COMMENCIAL

	Commercial	Non-commercial
Open	Winning combination. Best of both worlds.	Whole support burden falls on developers. Not scalable.
Proprietary	Vendor lock-in.	Dedicated non-reusable projects.

We are currently exploring this combination with the support of CERN's Knowledge Transfer Group.

Introduction	Why 0000	Interlude ○○○○○○○●	How	Who 000
HPM7177	ADC			



Re: HPM7177 ADC from CERN « Reply #148 on: April 08, 2021, 05:19:07 pm »

(from https://www.eevblog.com/forum/metrology/hpm7177-adc-from-cern)

CERN must be a gold mine for us electronic engineers! I am realy glad that CERN is making the 8,5 digit DVM open to the public! Is the LTC2378-20, LT1236, THS4531-based driver and SMN resistor networks also open to the public?

@DrJohnnyLemonhead 2 years ago

That feeling when you take 30 minutes of your day to bask in the raw magnificence of a beautiful machine coming together. Wonderful work Marco and nothing but love to CERN for open sourcing this. Magnificent work by everyone. Thank you for sharing.

r G Reply (from https://www.youtube.com/watch?v=D28uSzCs7-k)

Introduction	Why	Interlude	How	Who
	0000	00000000	●○○○	000
Outline				



- 2 Why an OSPO
- 3 Interlude: some CERN examples of Open Source
- 4 How the OSPO will operate

5 The team

	£6.			
			0000	
Introduction	Why	Interlude	How	Who

The main use case: "I want to open-source my project"

Software

Get in touch by writing to Open.Source@cern.ch

Hardware

The entry point for dissemination in this case is KT. Contact them for advice and the OSPO will be involved if you decide to open-source the designs.

Introduction	Why	Interlude	How	Who
			0000	

Most common questions will hopefully be answered in:

The OSPO website (https://opensource.cern)

This site contains information about the OSPO itself and is more "outreachy" in nature.

The documentation website (https://ospo.docs.cern.ch)

- Best practices for open-sourcing sw/gw/hw
- Advice on how to participate in external projects
- Also how to integrate external open-source components

Introduction	Why	Interlude	How	Who
			0000	

"My question is not answered in any of the above"

For questions which you feel at ease discussing in public:

Ask in the forum (https://ospo.web.cern.ch/). In that way, others will also benefit from the discussion.

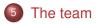
For any other question:

Write to Open.Source@cern.ch or get in touch directly with any member of the OSPO.

See the list at https://opensource.cern/who_we_are.

Outline	00000000	0000	000

- 1 Introduction
- 2 Why an OSPO
- 3 Interlude: some CERN examples of Open Source
- 4 How the OSPO will operate



Introduction	Why	Interlude	How	Who
	0000	00000000	0000	○●○
The team				

The CERN OSPO is a community endeavour. We want many people to participate. This is the current list of members: Matthias Bonora (TE), Hamza Boukabache (HSE), Andriy Boychenko (HSE), Sunje Dallmeier-Tiessen (RCS-SIS), Han Dols (KT), Philip Elson (BE), Axel Naumann (EP, Chair), Giacomo Tenaglia (IT), Javier Serrano (BE) and Alexander Yohei Huss (TH), with the precious help of Victoria Huisman Sigcha (IT-CA) Hafsa Saboor (RCS-SIS) and Antonia Winkler (RCS-SIS).

Introduction	Why	Interlude	How	Who		
000000	0000	ooooooooo	0000	○○●		
Links and further discussion						



OSPO website: https://opensource.cern Documentation website: https://ospo.docs.cern.ch OSPO forum: https://ospo.web.cern.ch/ OSPO email address: Open.Source@cern.ch

Join us for more in-depth discussion tomorrow at 14:00 in the Main Auditorium: https://indico.cern.ch/event/1327563/.