



PaNOSC Closing Event

Paving the way towards the PaN FAIR Data Commons

29-30 November 2022

Grenoble - France

PaNOSC Impact at ILL

Author: Erwan Le Gall

Affiliation: Institut Laue Langevin

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Overview





ILL and DATA

Early work on DATA Policy

ILL and data



Open DATA policy
Accepted in 2012



Data portal
Ready early



VISA
Already foreseen before
PaNOSC

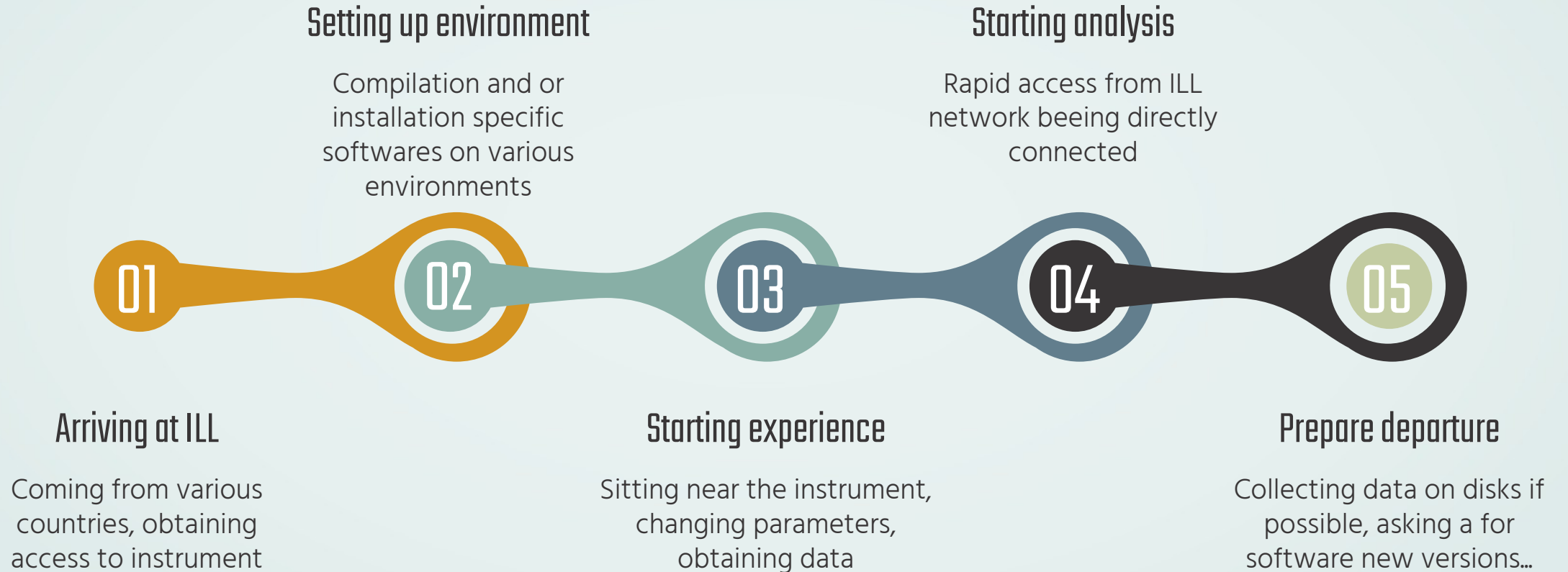
Before PaNOSC

Journey of an experiment

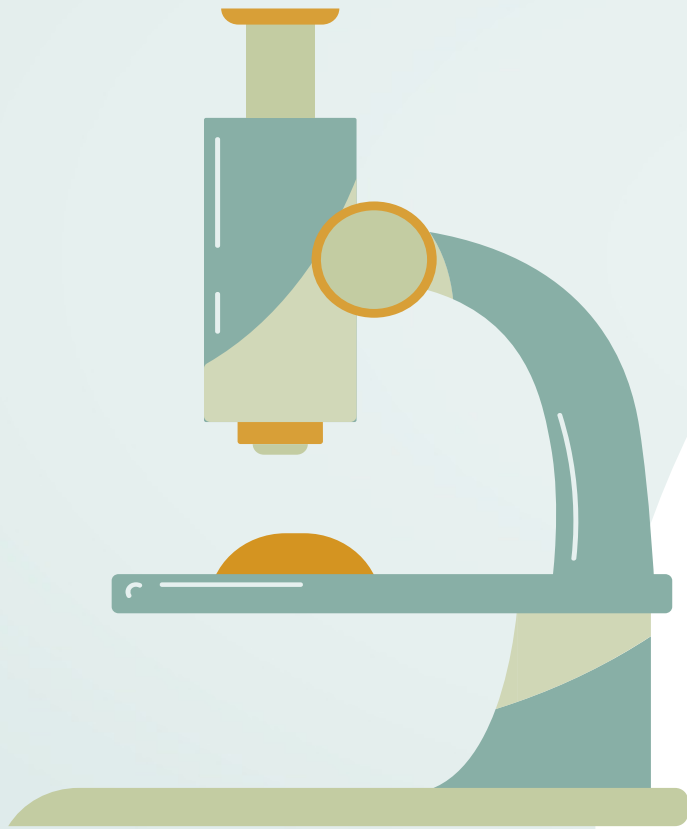


02

Visitor experience workflow



ISSUES IN BRIEF



- Travels during pandemic / Local expertise
- Softwares are complex
- Data access limitations (knowledge/size)
- Performances for analysis varies
- Support for IT

VISA & Nomad

The remote duo vs CoVID

03

The background features a complex abstract graphic design. It consists of several interconnected organic shapes and circles. A prominent teal circle with a black border contains the number '03'. Other shapes include a large orange shape with a teal circle inside, a white shape with a teal circle, and various smaller teal and black circles scattered throughout. The overall aesthetic is clean and modern, with a light blue background.

NOMAD

01

Instrument control

Client / Server software.
Every instrument can be
controlled via a remote
client

02

Secured

Limited access with
experiment rights, only
from ILL network. Safety
issues on motors control.

03

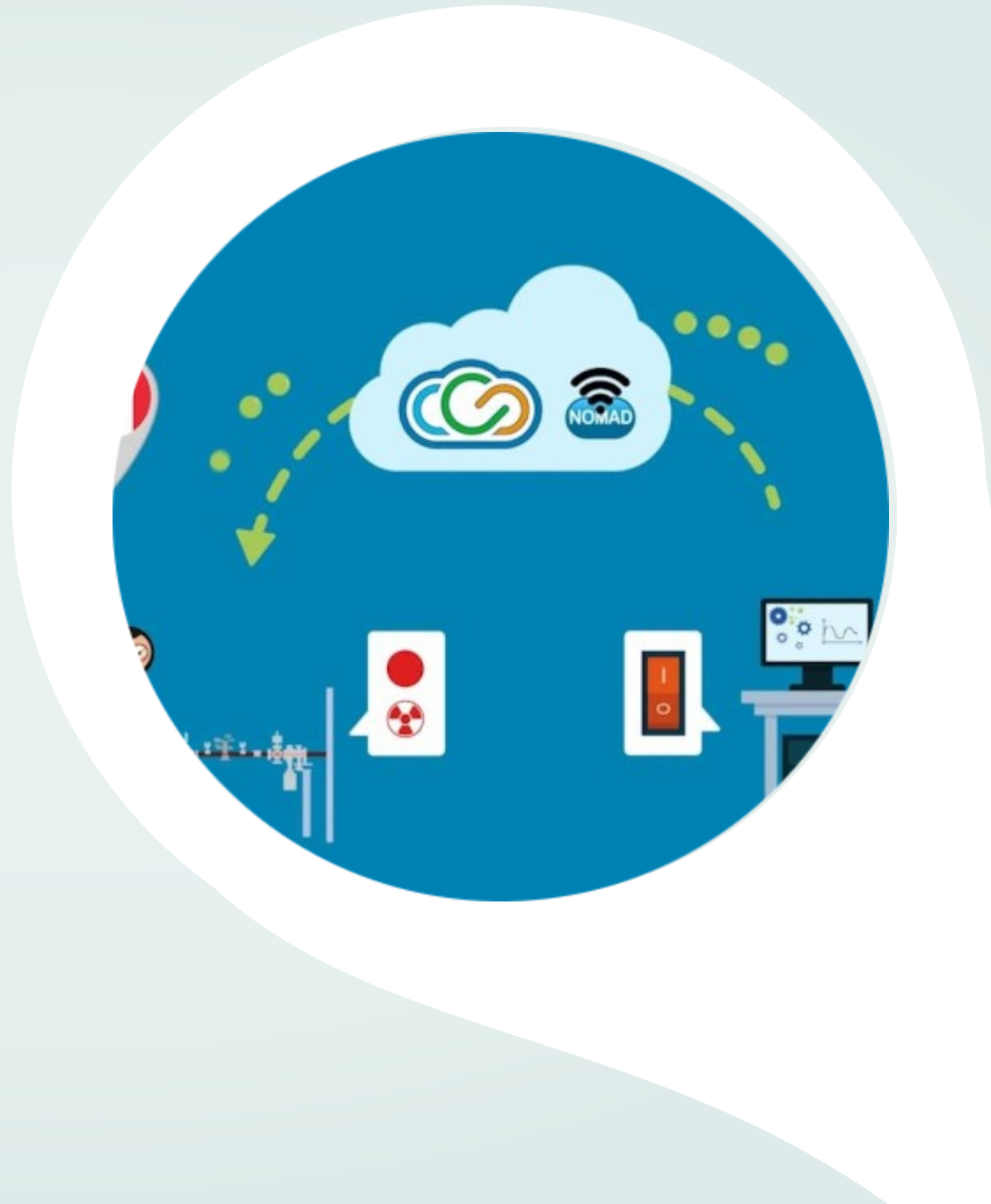
Complete

In production, offer a
realtime logging solution,
total control and soon
camera control (RICA
software).

VISA, brings data anywhere

Instead of bring Data to users, we bring users to DATA

- Connect via browser
- Ready to use softwares
- Share instances for collaboration
- Data connected directly to the VM
- Still free to add new softwares



VISA our best ally

- Help a lot during CoVID
- Change how we provide softwares
- Reduce needs to travel at ILL
- Reduce time to set up experiments
- At ILL, it become standard





04

Last updates

Obtain the most of VISA

Around VISA

Containers

Apptainer
Can run any version

Ubuntu 22.04

Last LTS
Improvements on UX

Softwares distribution

Removed from images
Download on demand
Works on workstations

Image updates

Maintenance is reduced
from 70Go to 4go

Statistics

Kudos to Jean-François
Learning on usage curve

WebX


Finalisation of the POC



05

Overview

PaNOSC got a huge impact

- 
- Remote work is now standard
 - IT maintenance is reduced
 - Data Management is on good track
 - Reduce wasted time for experiment
 - Data is more visible outside of ILL



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Thank you

Erwan Le Gall
le-gall@ill.fr

CREDITS : This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik**



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