



# PaNOSC Closing Event

Paving the way towards the PaN FAIR Data Commons

29-30 November 2022

Grenoble - France

## PaNOSC Impact at ILL

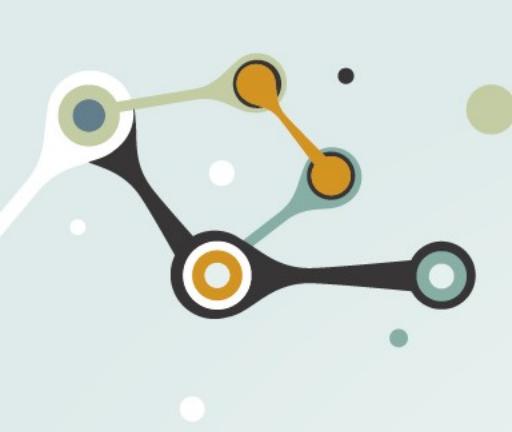
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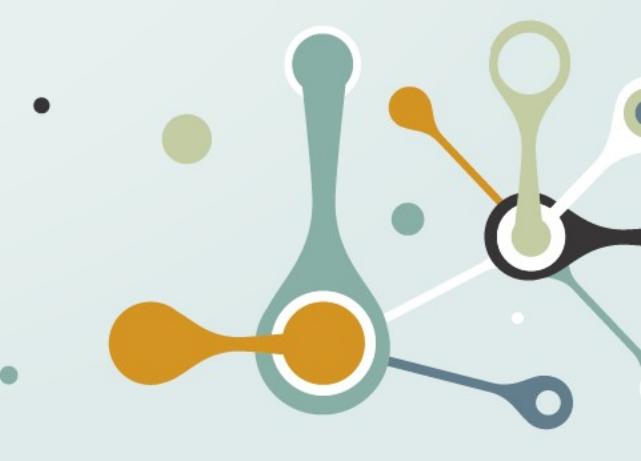
**2022/11/30**



PaNOSC has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 823852



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# ILL and DATA

Early work on DATA Policy

# ILL and data



**Open DATA policy**  
Accepted in 2012



**Data portal**  
Ready early



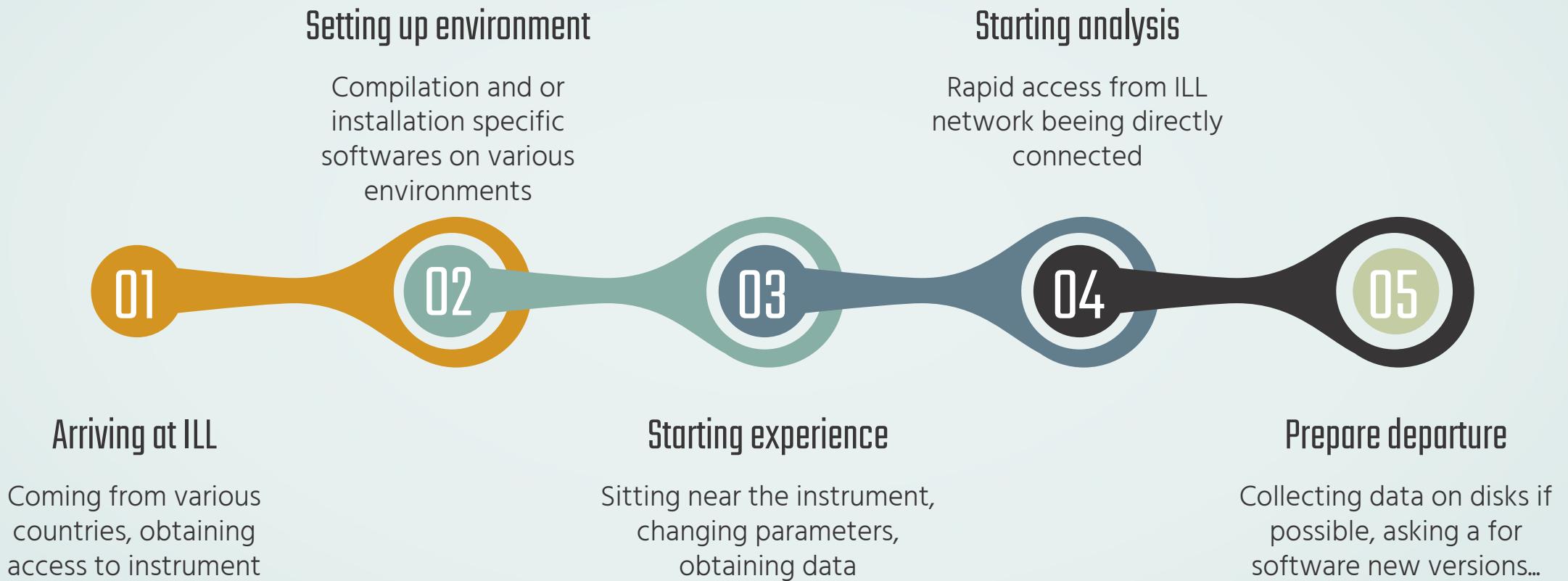
**VISA**  
Already foreseen before  
PaNOSC

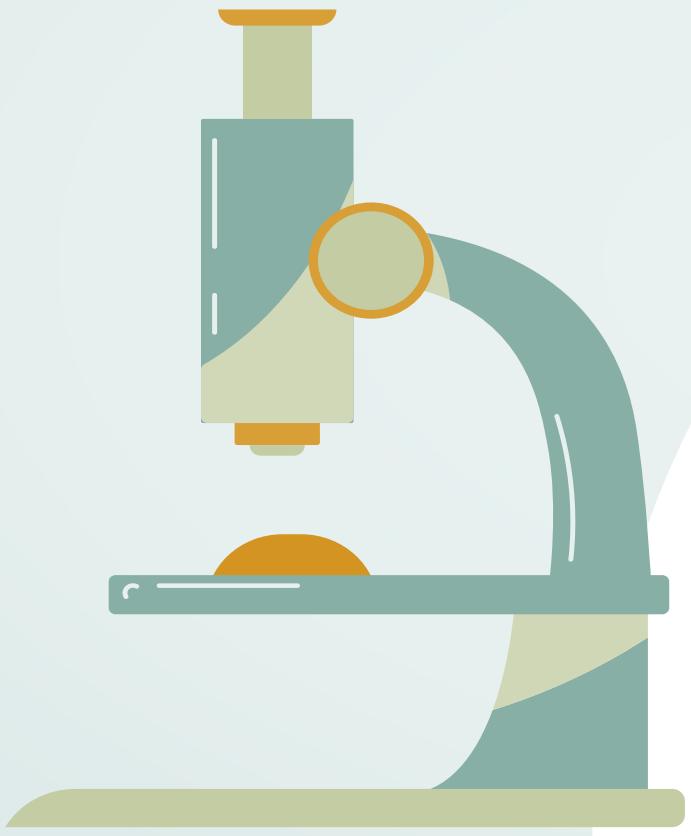
# Before PaNOSC

Journey of an experiment



# 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



# NOMAD

01

## Instrument control

Client / Server software.  
Every instrument can be  
controled 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

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



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