



**EUROPEAN
SPALLATION
SOURCE**



System Acceptance Review (SAR) meeting for ODIN

Experiment Control
=ESS.NSS.H01.ODIN.K02.K01

Data Curation
=ESS.NSS.H01.ODIN.K02.K02

PRESENTED BY GEORGE KONTOGIORGOS ON BEHALF OF ECDC GROUP

2025-12-17

System Definition

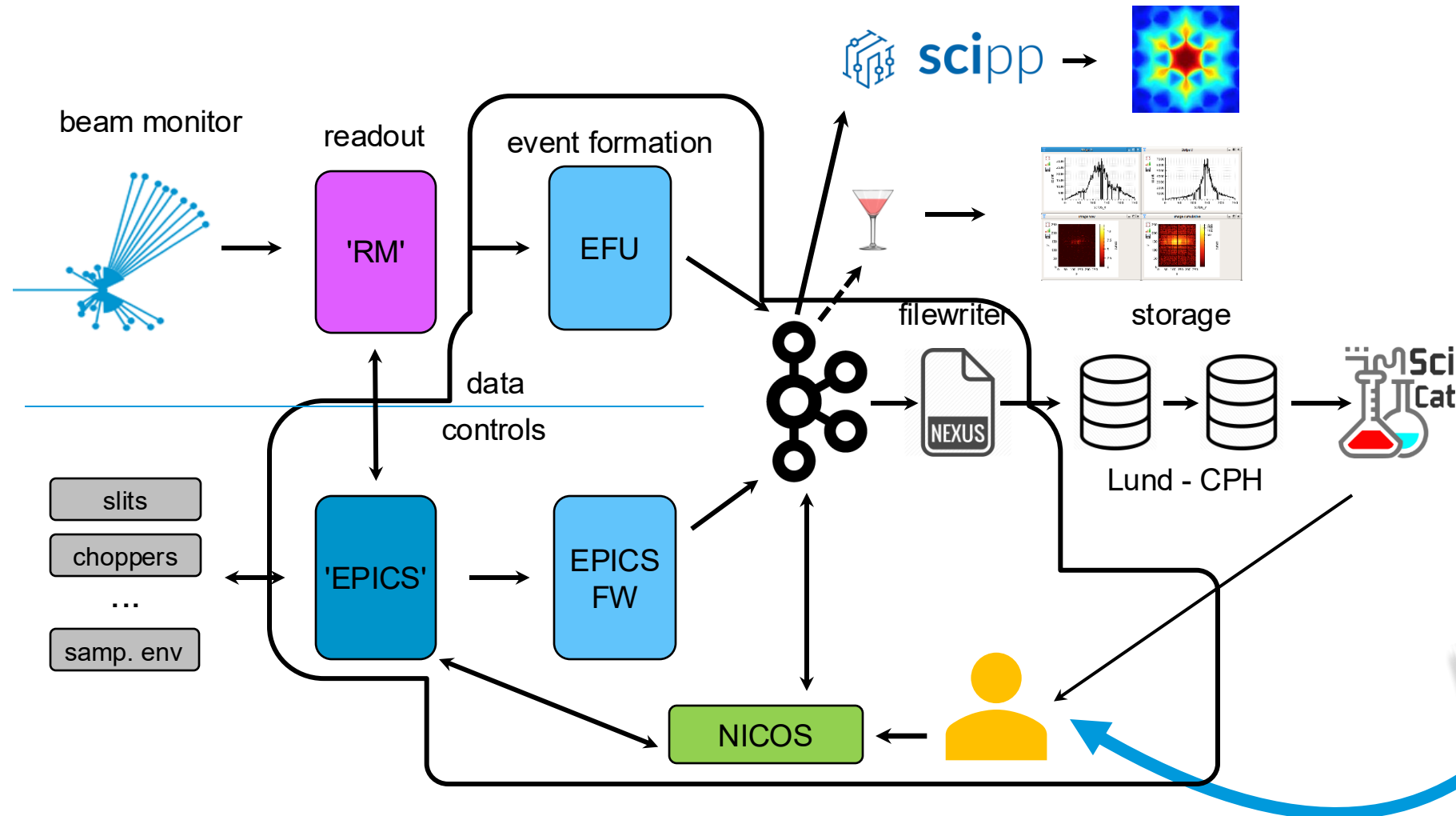
Complete ECDC delivery package



instrument hardware

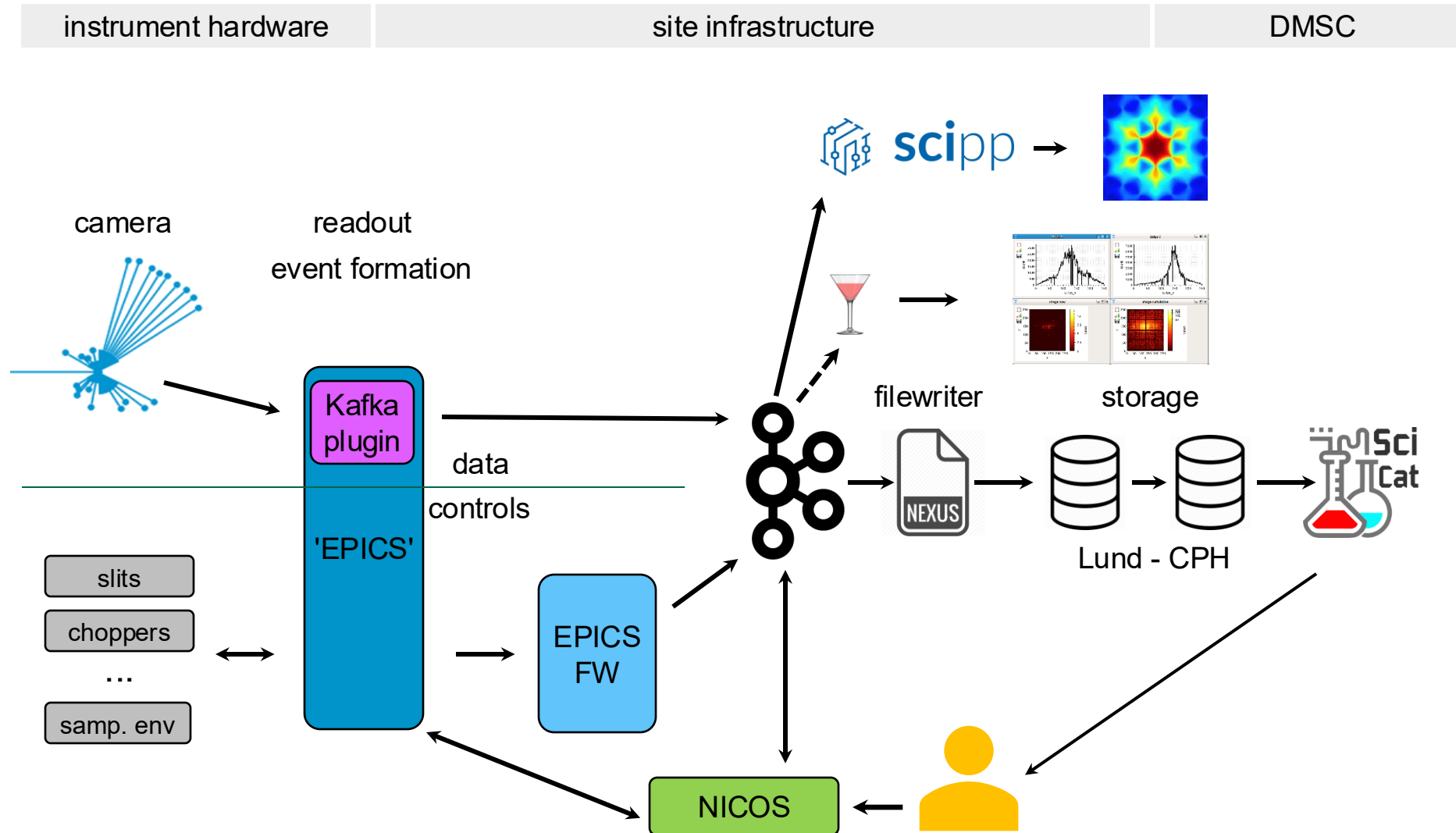
site infrastructure

DMSC



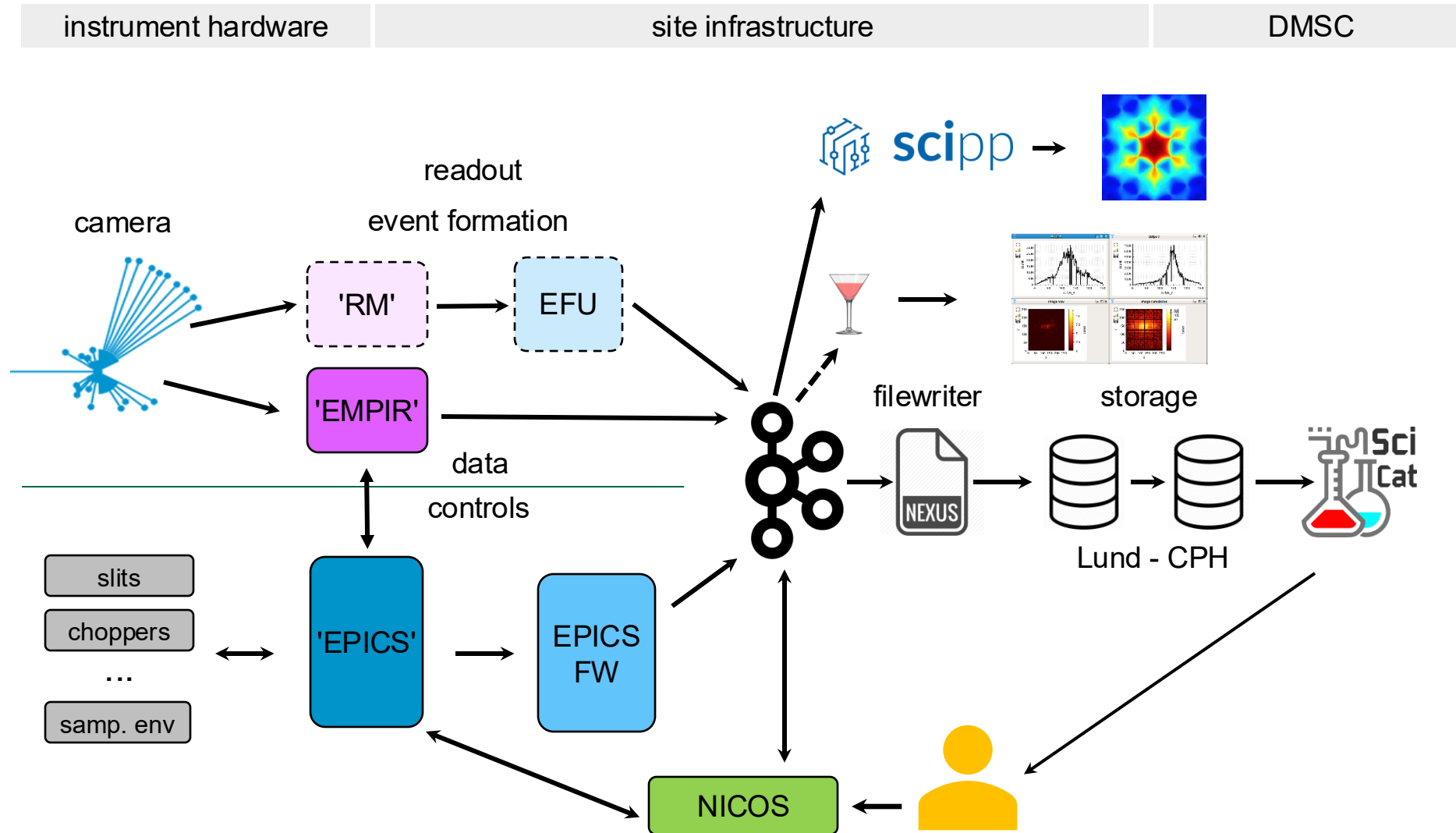
System Definition

ECDC delivery package (ORCA specific)



System Definition

ECDC delivery package (TimePix3 specific)



Status Report ECDC



Type: Status report

Perspective: Overview

Principal responsibilities:

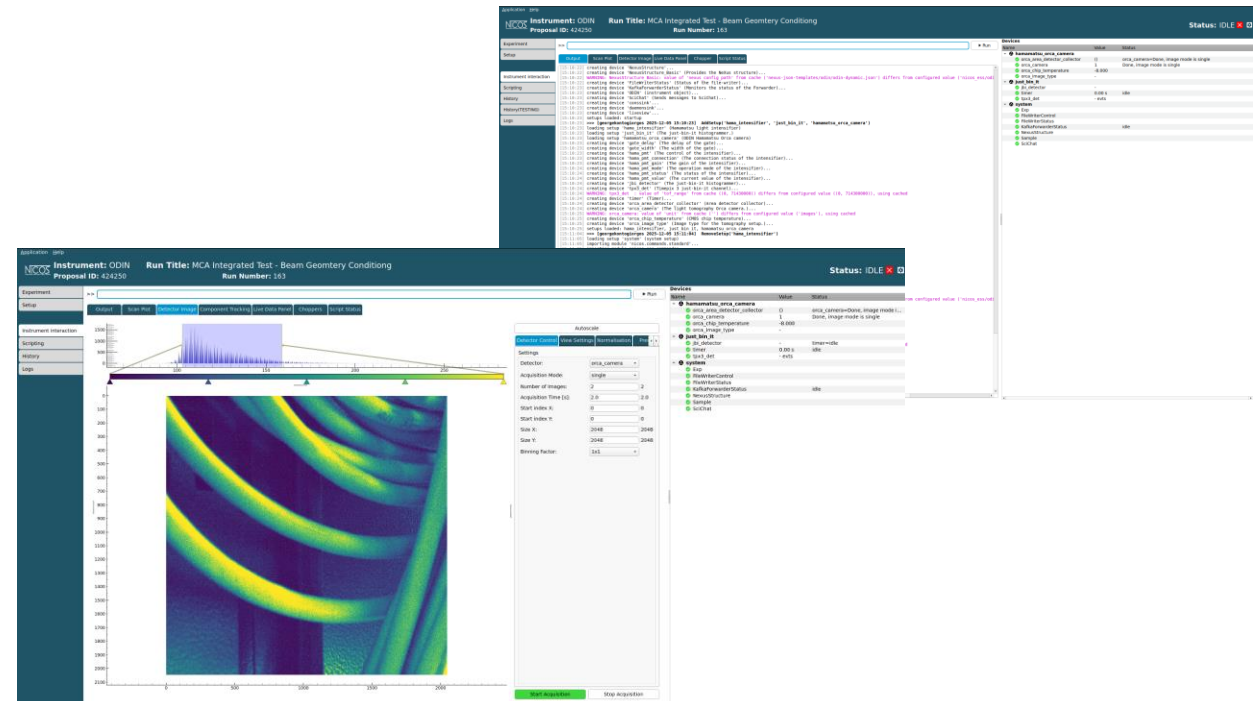
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ECDC

All cases



- NICOS Integration and NeXus Data Recording
- Support for Integrated Test with Instrument staff
- Support for Local SAT of every Technology Group



Status Report ECDC

Commissioning Status



Performance with respect to tests Pass

Main Issues (NCR/NIT) Lack of proper definition/specification of which EVR Event Counter to use in the NICOS pulse counter

For outstanding actions None

What are the treatments? Define an EVR Event Counter to use on NICOS pulse counter device

When will they be fixed?

- ☐ Before Site Readiness Review (SRR)
- ☒ Before Beam on Target (BoT)
- ☐ Before Operations (Ops)

Are deferred test integrated into the hot commissioning plan? N/A

Is the software* ready for hot commissioning? Yes, ready for all the future improvement

Description	NIT	Status	Responsible
Definition of which counter to use	NIT-500	To do	ECDC / ICS WP12 / Instrument teams

* Hardware is handed to ECDC Group already configured, hence only control and data acquisition software is managed by ECDC Group.

Hot commissioning ECDC



Supporting activities from instrument Hot Commissioning plan

- **Related to ESS-1075656**

Operating & Maintenance manuals

- **ESS-5706535 - NICOS Operation Manual**

Challenges ?

- **To discover new feature along the way**

Resources required

- **½ FTE Peak load**

Out of hours

- **As needed**

Source: hot com plan (ODIN)

