

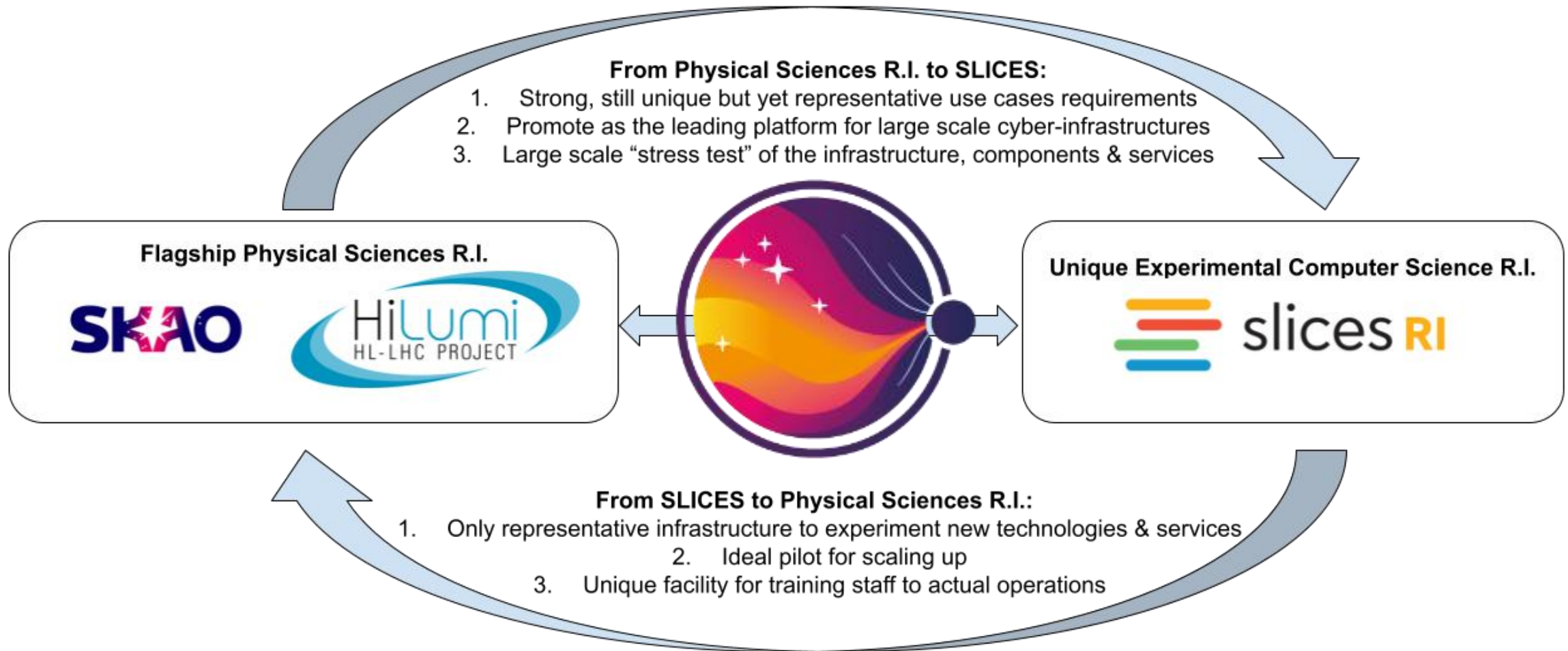
ODISSEE: Online Data Intensive Solutions for Science in the Exascale Era

Damien GRATADOUR, CNRS & Observatoire de Paris



Connecting large research infrastructures

- Bidirectional links between Physical sciences and Computer Science



Connecting large research infrastructures



- Bidirectional links between Physical sciences and Computer Science

14

Partners and 2
associate
patners

7

Countries

9.5M

Millions €
funding

36

Months



Observatoire
de Paris

PSL



TERRE &
UNIVERS



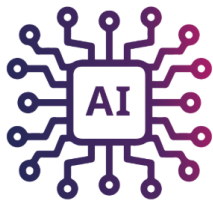
CERN
openlab



slices RI

ASTRON

Netherlands Institute for Radio Astronomy



On-the-fly data
processing



Dedicated hardware
and software



Enhance the HPC
ecosystem



Barcelona
Supercomputing
Center
Centro Nacional de Supercomputación

simula



SIPEARL



NEOVIA
INNOVATION



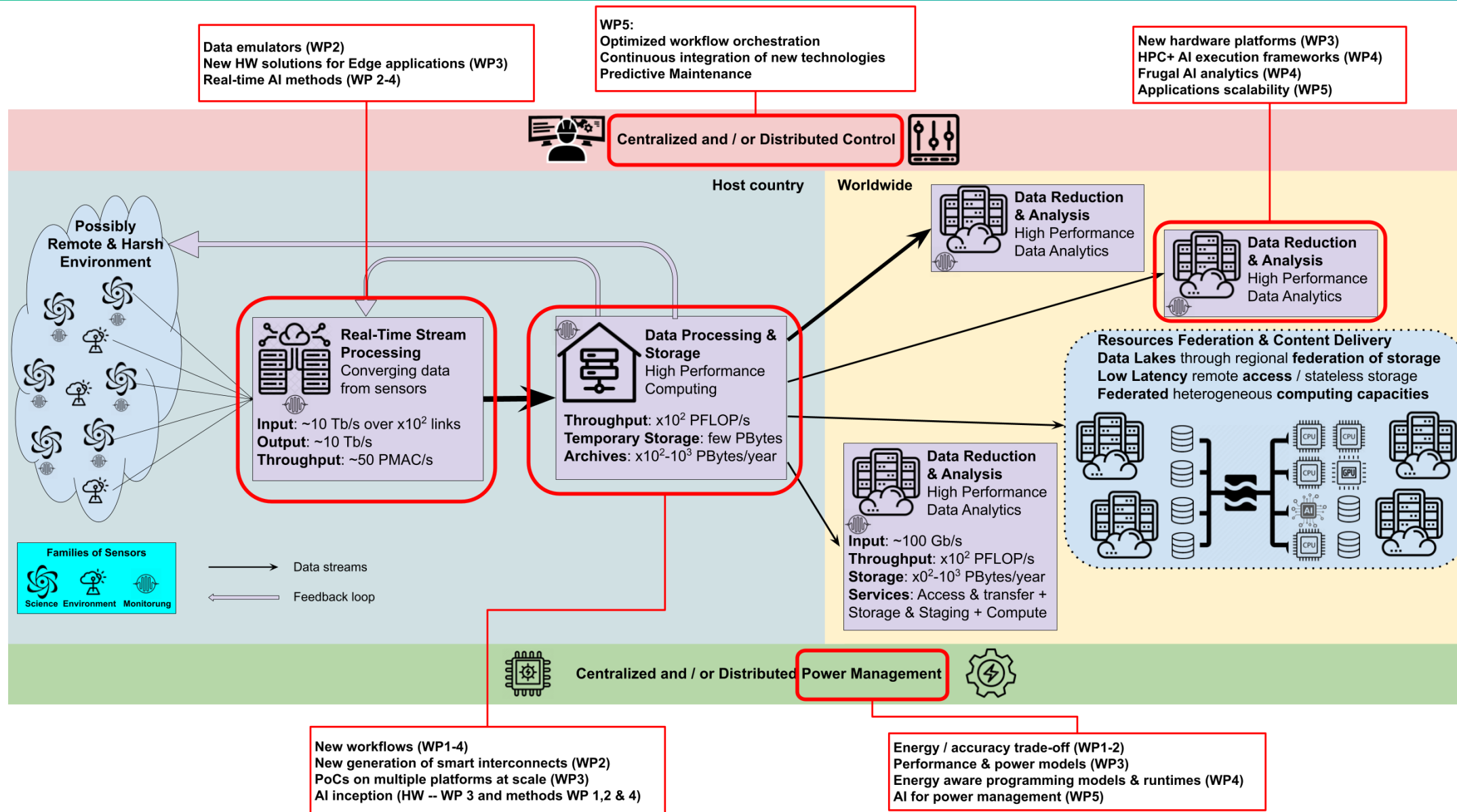
EPFL



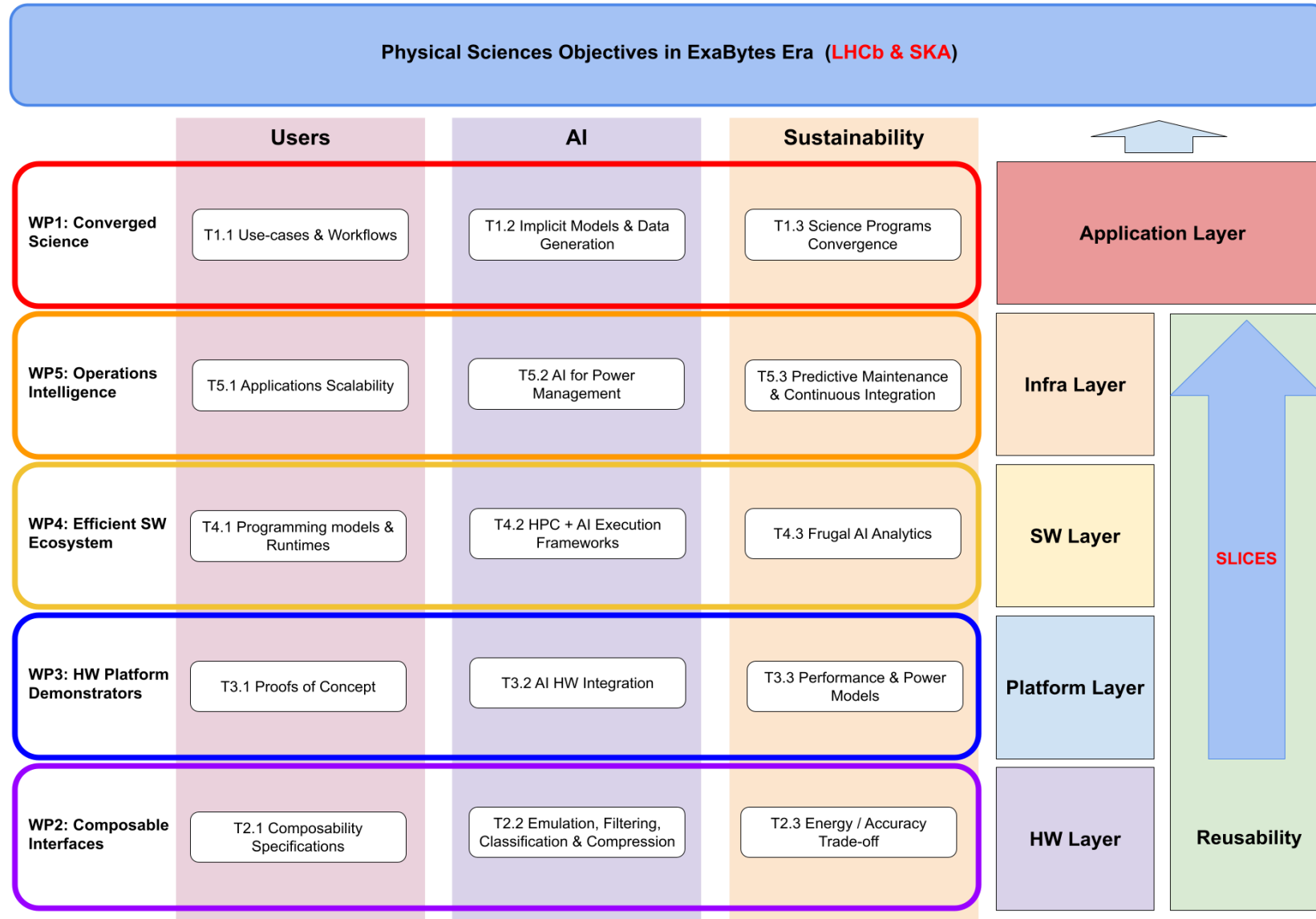
CSCS

Centro Svizzero di Calcolo Scientifico
Swiss National Supercomputing Centre

Cyber-continuum for SKA & HL-LHC

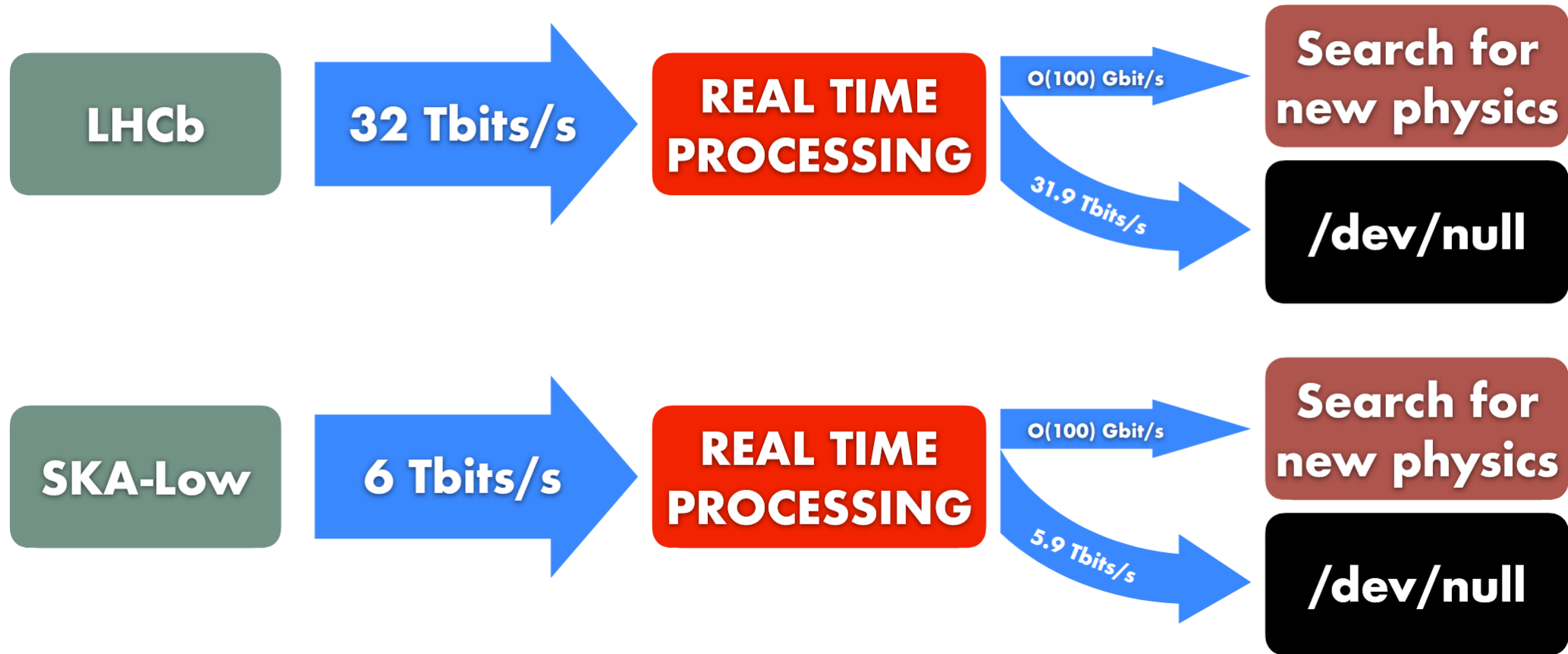


Work Packages



The challenge in a nutshell

The challenge of real-time data processing in the era of Exabyte datasets



Join our next webinar !



Webinar | 22 April 2025 | 14:30 CEST

How to shape trust in the era of data deluge and AI-driven processing?



Oleg Smirnov
Rhodes University
and SARAO



Vava Gligorov
CNRS, CERN-LHCb





Inria

EVIDEN

