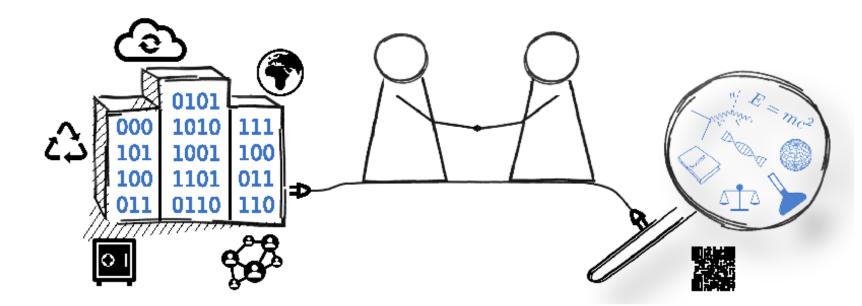




Thomas Calvet Mustapha Ouladsine

Research data support at Aix-Marseille

CEDRE



> Connecting with IPhU <







Institut de Recherche pour le Développement FRANCE





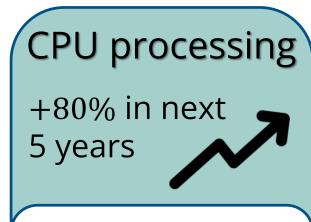


Digital transition/upgrade at AMU

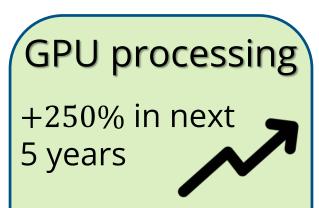


Storage +40% in next 5 years

- Large increase in demand
- Entering the Tens of Po scale



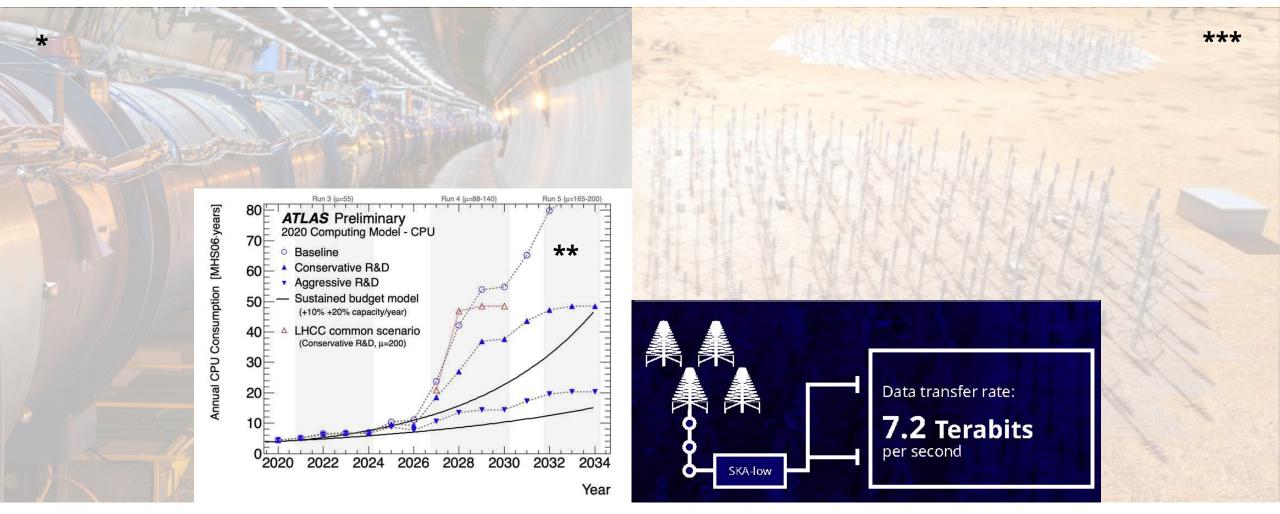
- Large increase in demand
- Expecting tens of thousand of CPU



- New demand, strong kick-off
- Few hundreds of GPU to deploy

Digital transition/upgrade





*https://home.cern/fr/science/accelerators/large-hadron-collider

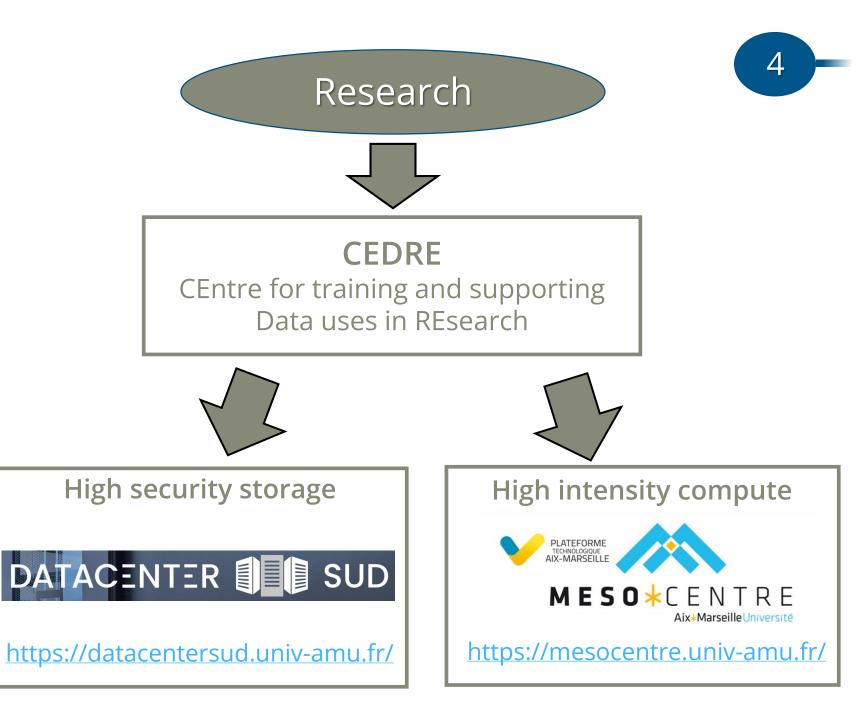
**https://twiki.cern.ch/twiki/bin/view/AtlasPublic/ComputingandS oftwarePublicResults

A topic the HEP community is only too aware of.

***<u>https://www.skatelescope.org/</u>

– Support in AMU

« In the shelter of each other people live. » Irish saying



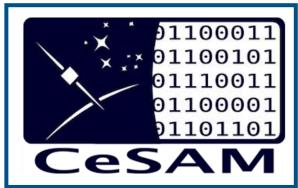
There are more supports (Here a selection)



des Sciences de l'Homi Als-Noral le Eniordal

PUD - AMU

Plateforme Universitaire de Données d'Aix-Marseille Université





Les « **ateliers de la donnée** » réponse projet ANR par AMU et partenaires en cours









5

Ressources numériques et communication scientifique





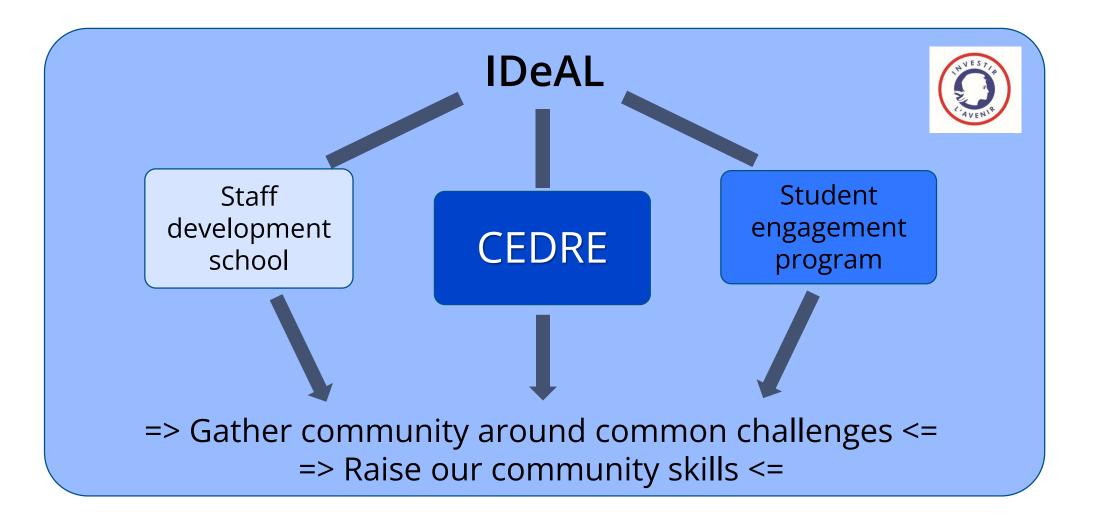


CEDRE to facilitate access to all available resources ?

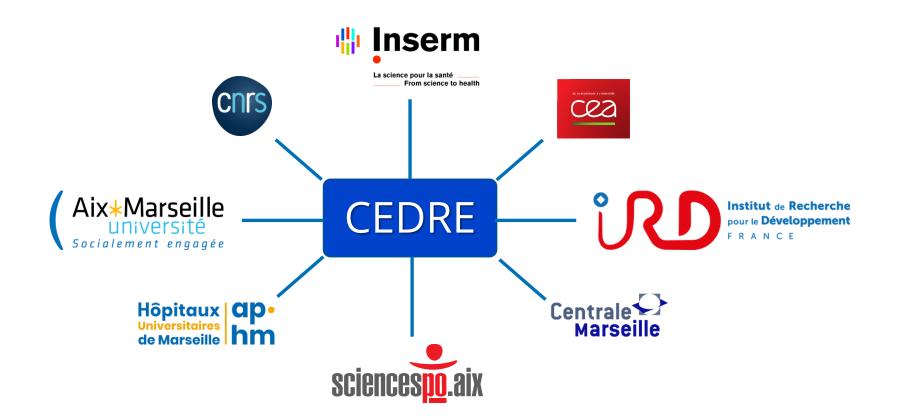
CEDRE : CEnter for training and supporting Data uses for REsearch

CEDRE in a global strategy





CEDRE for AMU and its partners



8

 \Rightarrow Link AMU with national developments for data management

Comities watching CEDRE

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AMIDEX and IDeAL managements

- Ensure coherence with Aix-Marseille site strategy
- Link with other IDeAL programs to promote formations



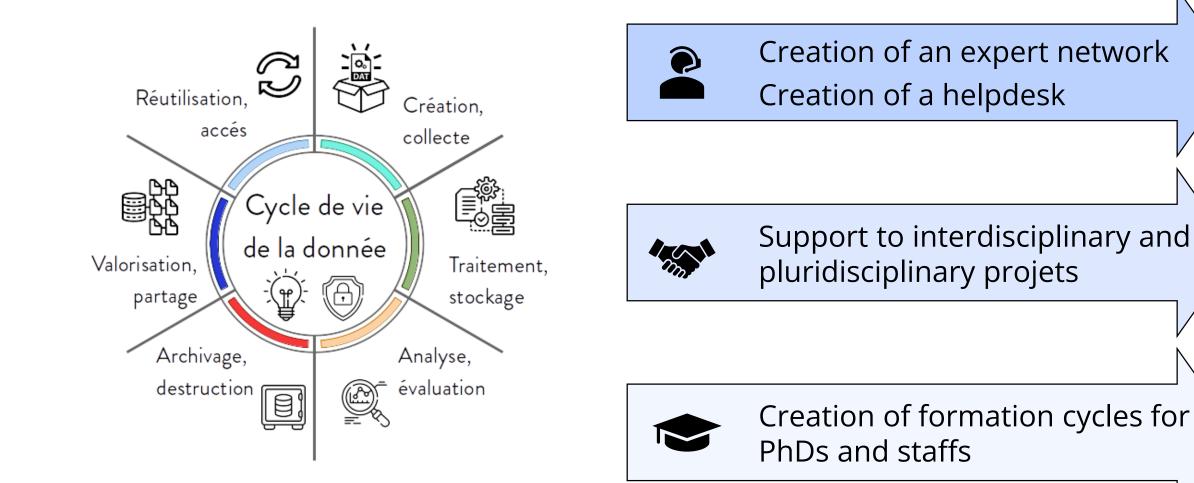
- Validate all
 CEDRE actions
- Connect CEDRE with national developments on research data management

User committee

- To be created
- Feedback CEDRE on its actions and provide suggestions

Objectives : bring FAIR-ness* in our data management cycles

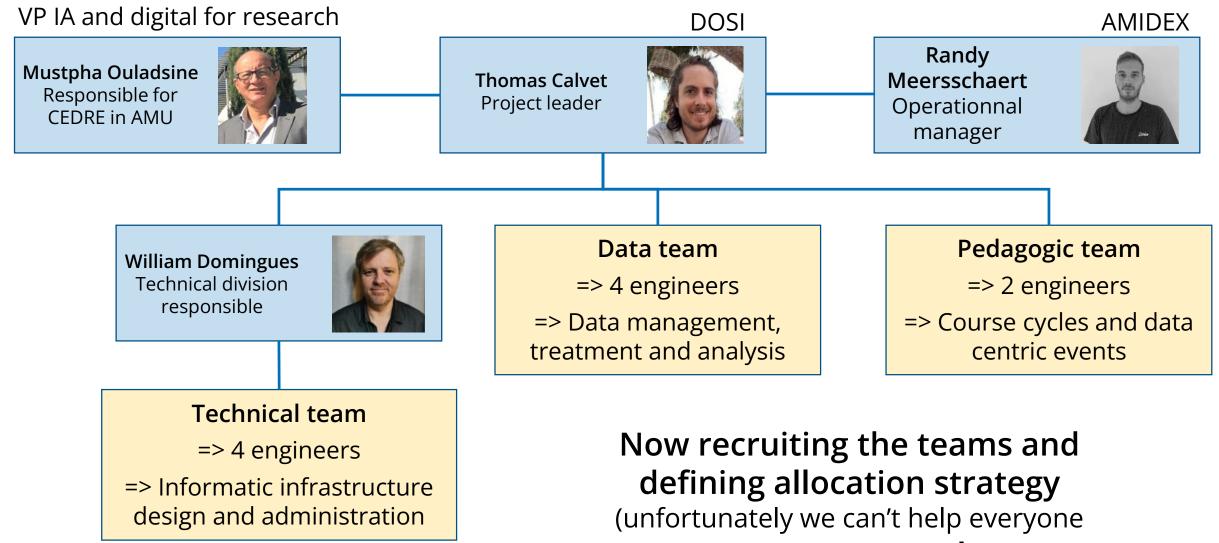




* For more information (french) <u>https://amubox.univ-amu.fr/s/6XfP9rza6JqKHE3</u>

CEDRE deployment



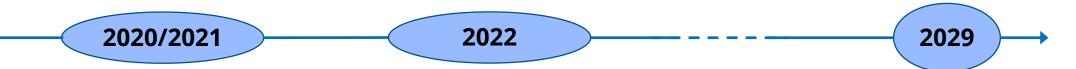


at the same time)!

- CEDRE timeline

Setup CEDRE

- Setup governance/management and multi-service attachment
- Meet with central service (Datacenter, mesocentre, SCD, DRV, ...)
- Journée de lancement de CEDRE (<u>https://cedre.univ-amu.fr/</u>)



Activate CEDRE support

- Fill all divisions and create a data toolbox
- > Define how to request support and request treatment strategy :

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IDeAL

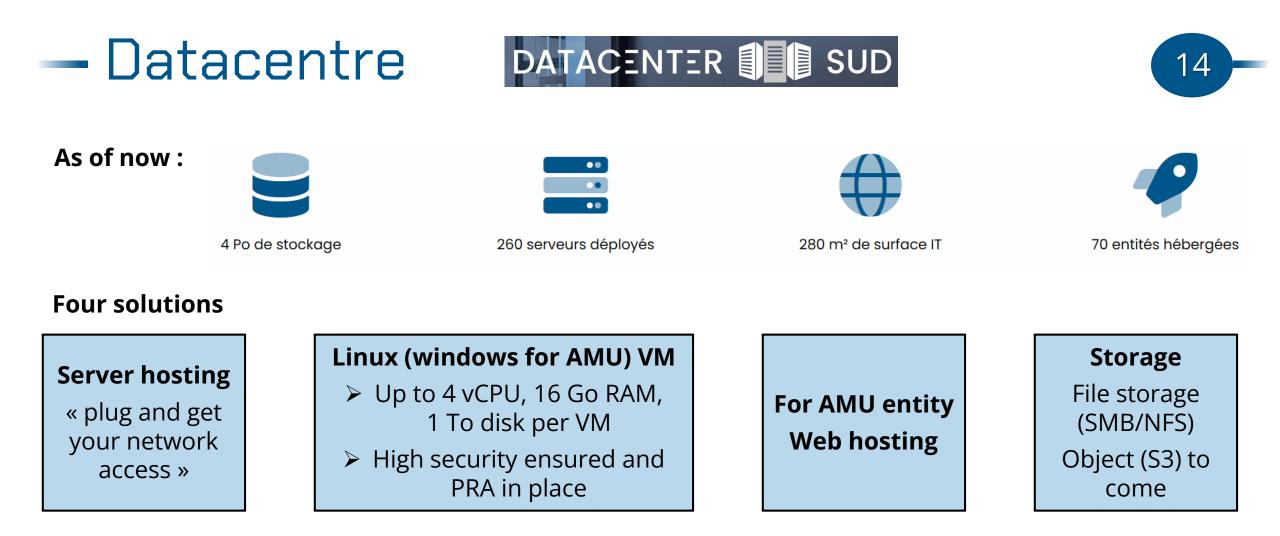
project end

- Defining rules for CEDRE to act and a priority scheme
- Engage CEDRE in flagship projects
- PMD/PGD support in preparation (WGs created with all partners)

Formation and animation

- Create a first formation cycle on data for staff and PhD
- Animate thematic days on research data
- Create User committee

Central services on site datacenter and mesocentre



Important investment in datacenter :

> in 2022 infrastructure will allow to go to 60 racks (now 10 and add 10 this year)

> in 2023 continue adding racks

https://datacentersud.univ-amu.fr/

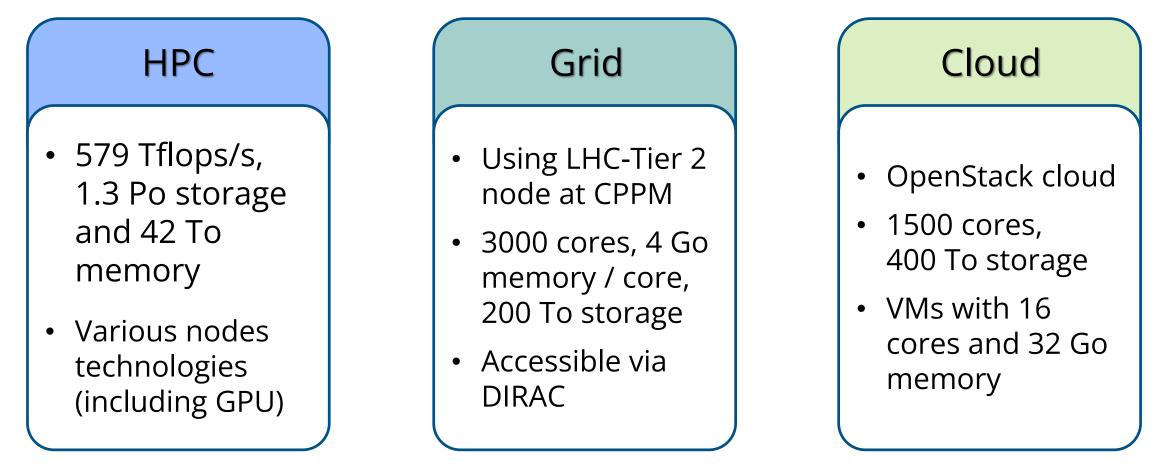






Free service for AMU accessible via project request.

Three computing architecture hosted at datacentre : HPC, grid, cloud.



— Conclusion



New structure on Aix-Marseille site, CEDRE, with three main objectives

- 1. Empowering community : data expert network and CEDRE helpdesk
- 2. Technical supporting : involvement in inter(pluri)-disciplinary projects
- 3. Promoting local skills : complete training offer

CEDRE is getting in operation

- 13 people to help research facing digital turn of event
- CEDRE support rules being defined
- Helpdesk and toolbox being built

As part of above : "Guichet de la Données du site d'Aix-Marseille"

- Answer to ANR project "atelier de la données" being writen
- Governmental label for initiatives such as CEDRE
- Articulated around CEDRE and SCD (open-science service)

