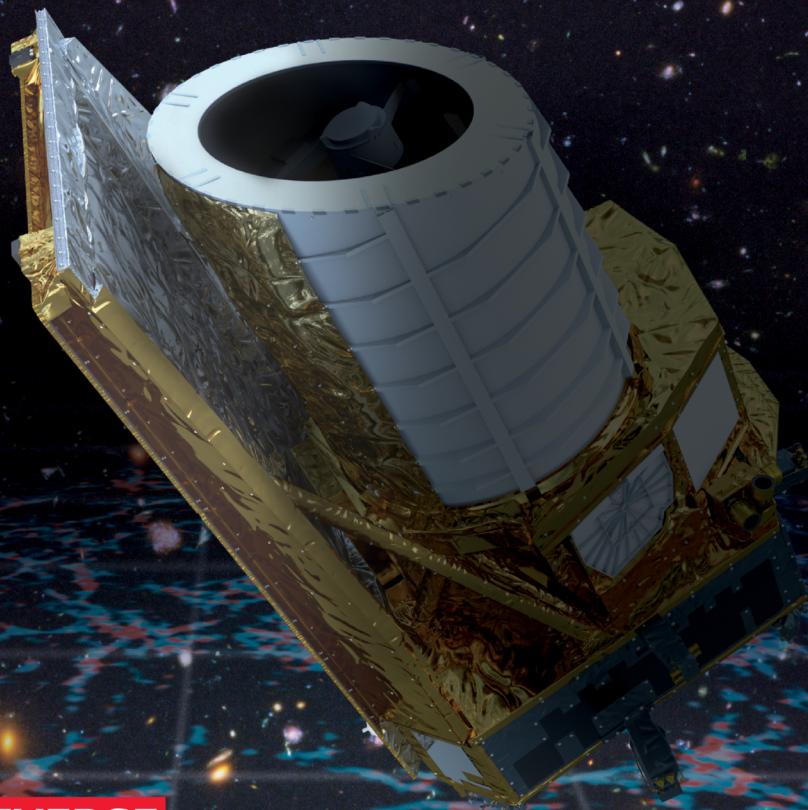




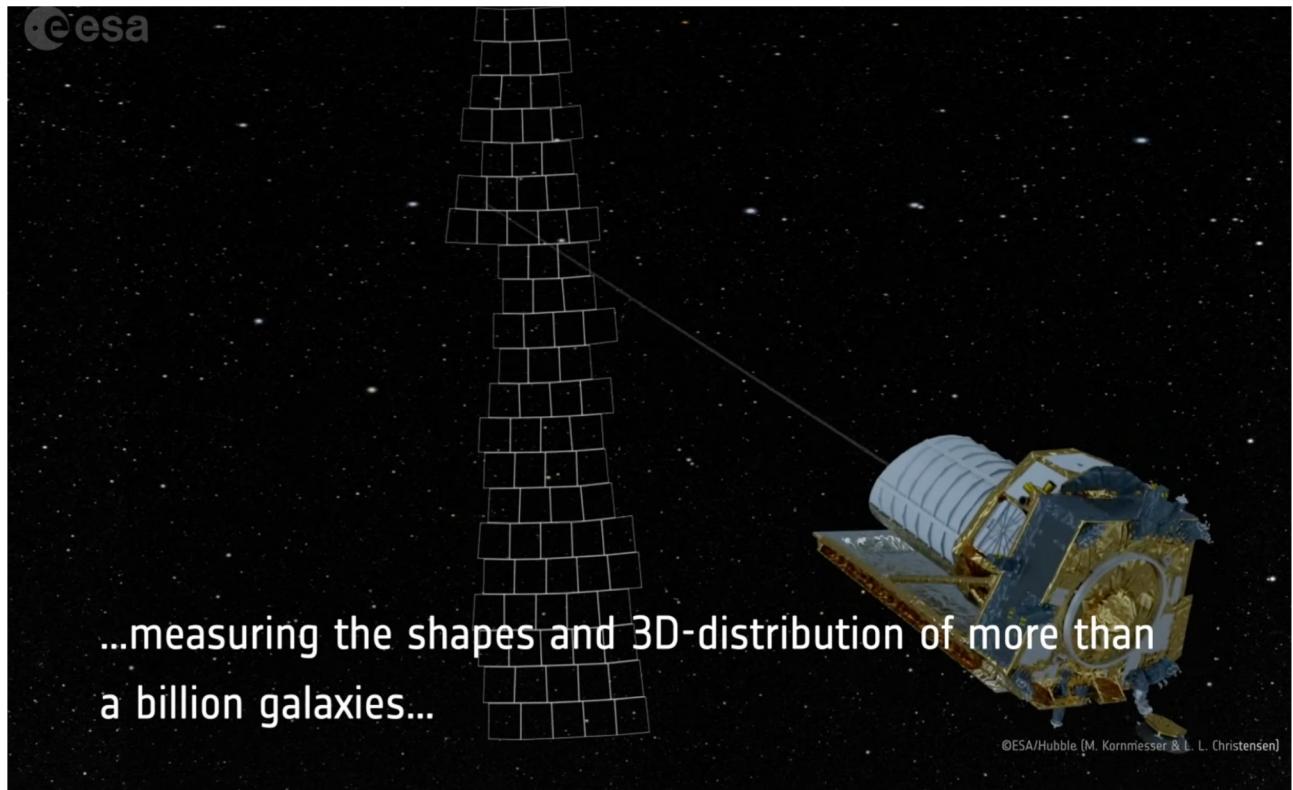
# euclid

EXPLORING THE DARK UNIVERSE



# In a nutshell

- Télescope classe 1,2 m
- Relevés : Wide de  $15\ 000\ deg^2$  et Deep de  $40\ deg^2$
- 3 instruments :
  - caméra visible, caméra infra-rouge (YJH)
  - spectromètre infrarouge (4 grisms bleus et rouges)
- Consortium de 17 pays et ~2500 personnes
- **Etude de l'énergie et de la matière noires, des structures cosmiques...**

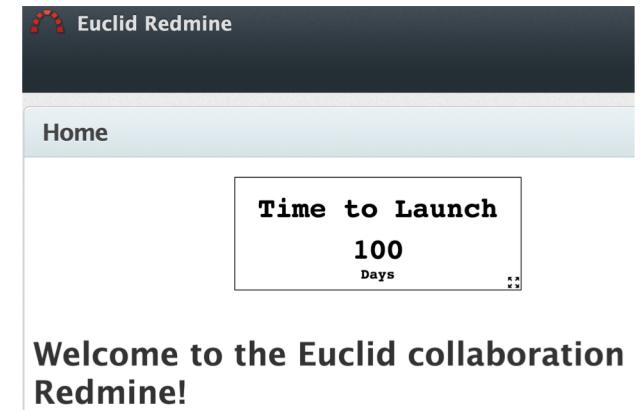
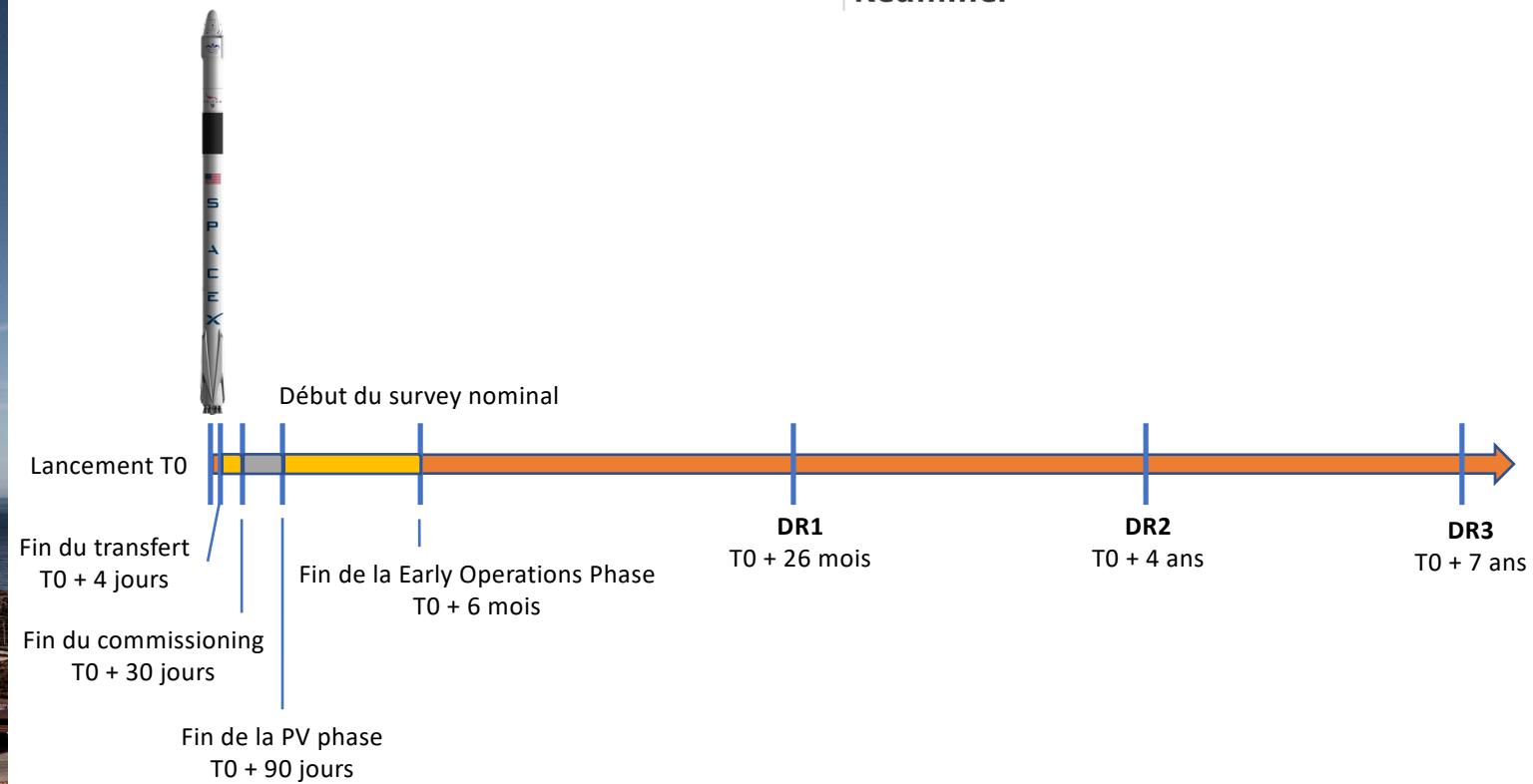


[https://www.esa.int/ESA\\_Multimedia/Videos/2023/02/Euclid\\_in\\_a\\_nutshell](https://www.esa.int/ESA_Multimedia/Videos/2023/02/Euclid_in_a_nutshell)

# Ready for launch!



# Launch: 07/2023! **SPACEX**



Euclid Redmine

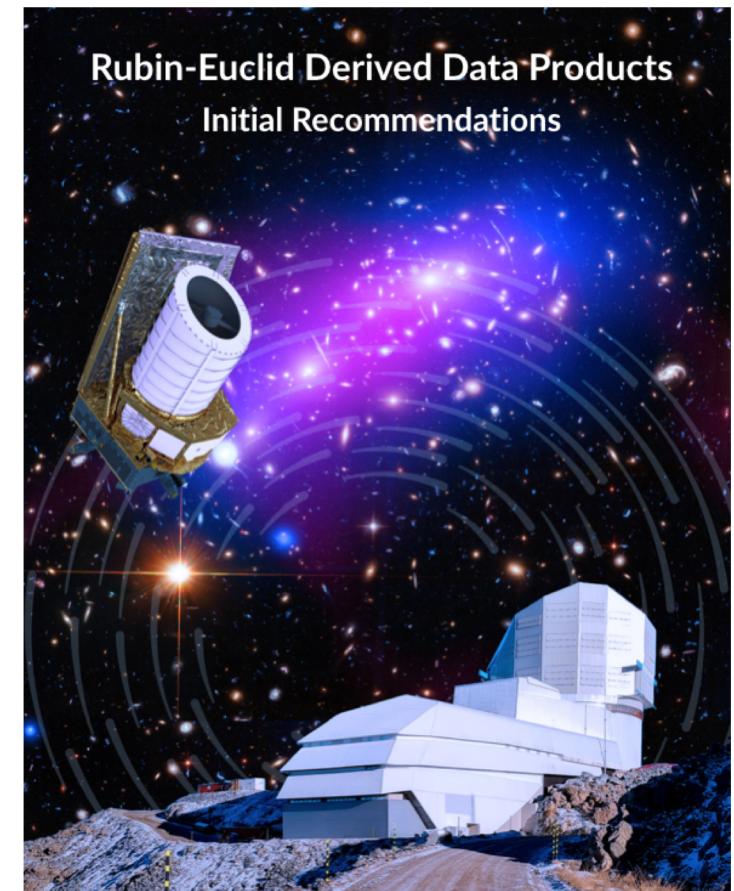
Home

Time to Launch  
100  
Days

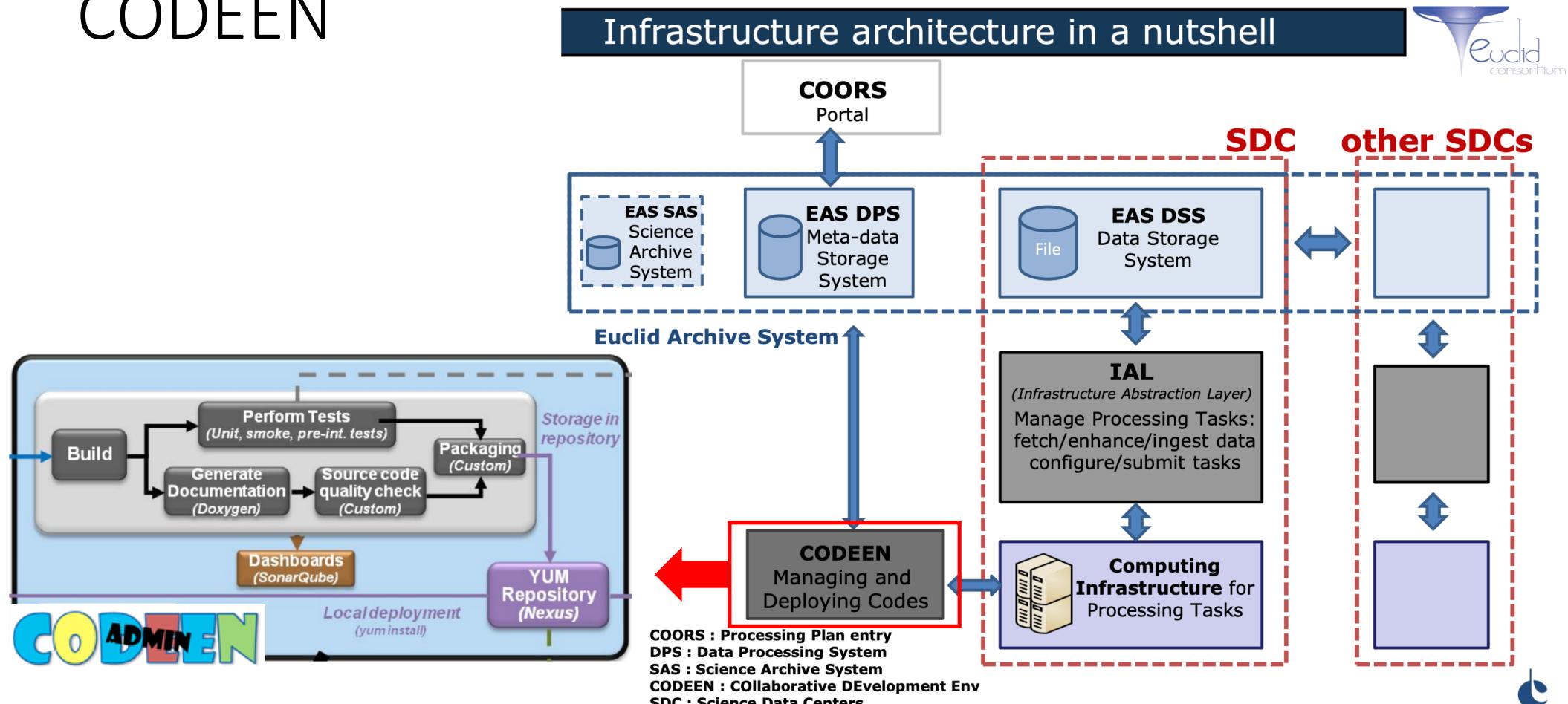
Welcome to the Euclid collaboration Redmine!

# Tasks@APC

- **SWG**
  - Team : J. Bartlett, S. Mei, M. Ricci ; M. Aguena, R. Kou, C. Murray
- **SGS :**
  - Interface Euclid-Rubin
    - Team: E. Aubourg, J. Bartlett, K. Ganga, S. Mei, C. Rosset ; A. Boucaud, C. Cavet, A. Sartirana
    - EXT : Données externes Rubin (Stage 1&2)
    - DDP ; R&D Dark Pipe
  - CODEEN
    - Team: M. Souchal, H. Stapel, P. Zakharov, S. Zappino
    - Plateforme de développement collaboratif sur le cloud@CC-IN2P3
  - LE3
    - Team : M. Aguena, J. Gourhand, S. Mei, C. Murray
    - Luminosity Mass Function



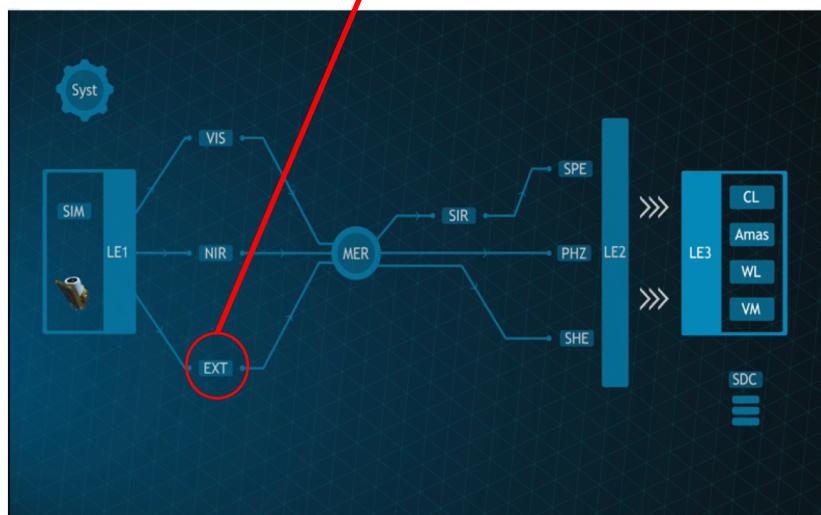
# CODEEN



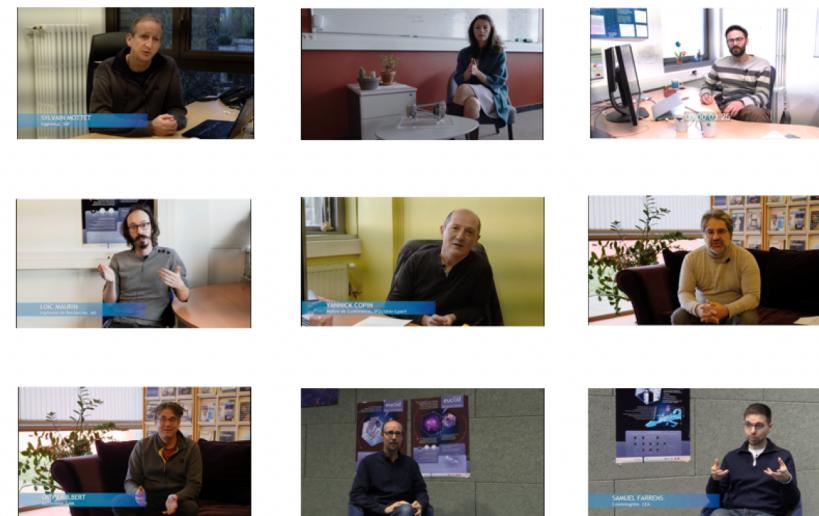
# SGS: EXT



Le segment sol Euclid, Traiter les images de télescopes au sol #5



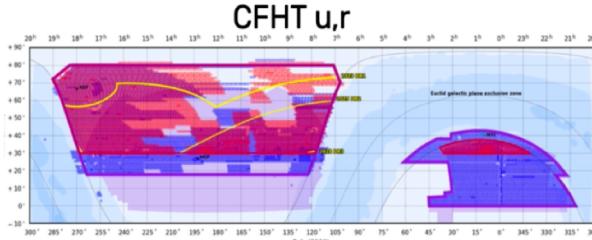
- More news on:  
<https://www.youtube.com/@euclid-france8687>



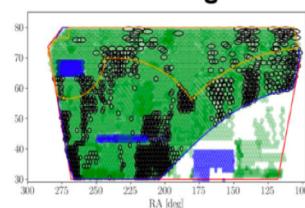
# R&D Dark Pipe

- Données UNIONS :
  - Vraie données hémisphère Nord, multi-instruments, multi-couleurs

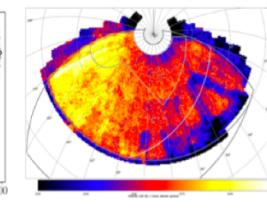
UNIONS observing status as of November 2022:



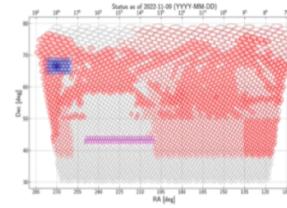
Subaru g



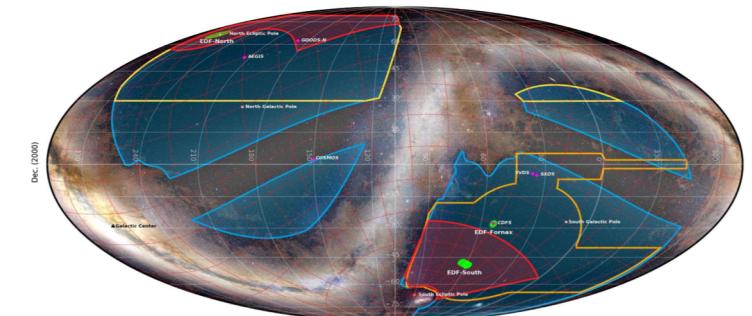
Pan-STARRS i



Subaru z



- R&D infrastructure et pipeline scientifique
- Prépare les DDP pour Euclid + Rubin



The Euclid Wide Survey DR1 area maximizing the overlap with DES : North = 821 deg<sup>2</sup>, South = 1657 deg<sup>2</sup> [Mollweide Celestial]

Euclid Wide Survey region of interest : 17,354 deg<sup>2</sup>      Euclid DR1 area, 2023 : 2500 deg<sup>2</sup>

DES, griz, 2013–19 : 4500 deg<sup>2</sup> overlap with the region of interest.      Euclid Deep Fields [total 53 deg<sup>2</sup>]

UNIONS, ugriz, 2017–24 : 4861 deg<sup>2</sup>

Background image: Euclid Consortium / Planck Collaboration / A. Hellinger

esa

