

Status and Plans of GPU farms at Irfu

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Computing @ Irfu:

- HTC : LCG tier2 (Grif)
7000 cores,
5 PB
- HPC : 3rd generation, cosmology, accelerators
60 nodes 2400 cores Skylake
Beegfs 1PB
OmniPath 100 Gb/s
- GPU : 2009 PetaQCD project

PetaQCD

4 desktops Intel quad core

- 4 NVidia GTX480 cards

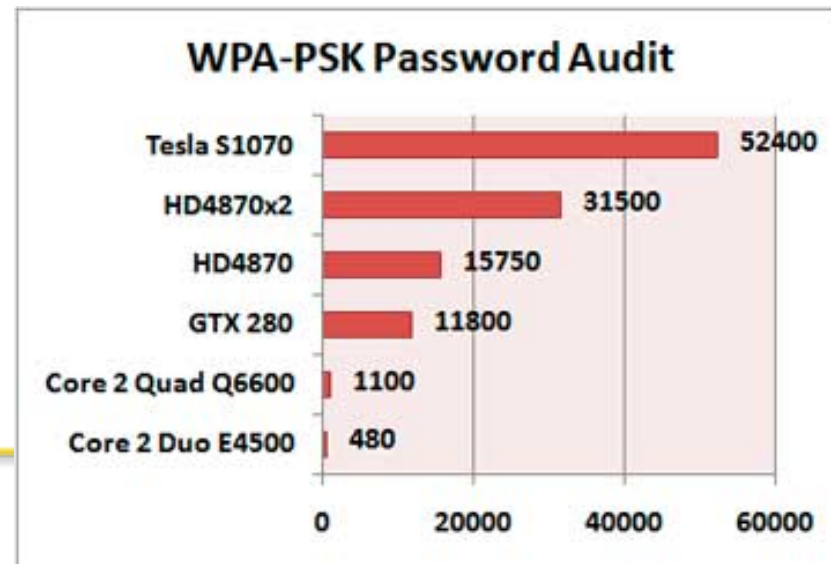
Access to 4 NVidia Tesla boxes at CCRT

- 4 Nvidia C1060 cards

240 processors @ 800 MHz with 4 GB

- GTX480 = 1300 Gflops

- C1060 = 933 Gflops



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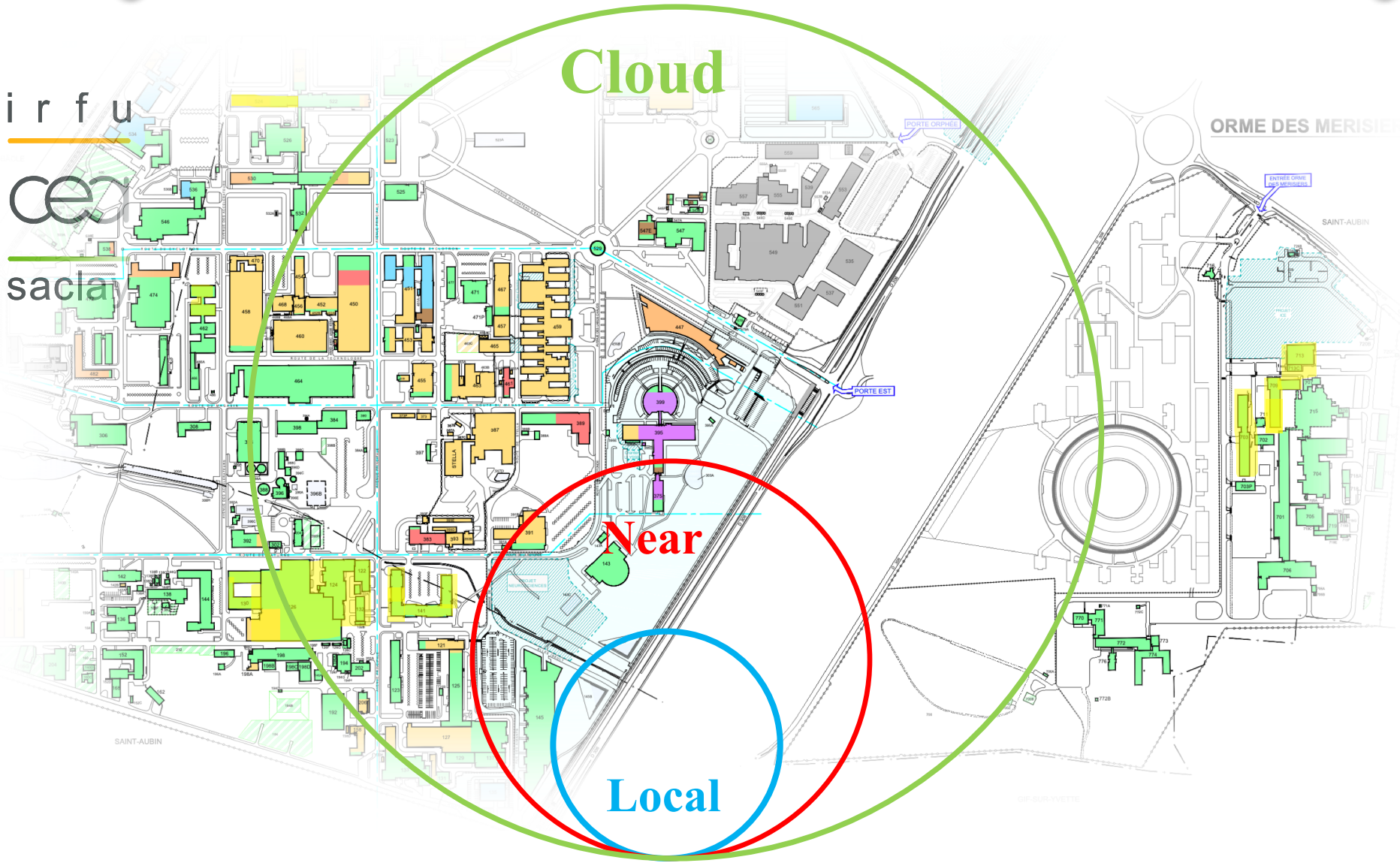


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Cloud

Near

Local



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- Desktops
- Servers
 - opengl : 6x Quadro 6000 ... M6000,
 - GPU : 2x Tesla K20c
- ACP project @ LLR (P2IO)
 - 2x AMD FirePro W 9100
 - 2x Nvidia K20
 - 2x Nvidia V100

Genci GPU ressources:

1172 Nvidia v100

- Jean Zay @ Idris : 261 GPU nodes *convergés*
4x Nvidia V100 SXM2 32GB
- Joliot-Curie @ TGCC : 32 GPU hybrid nodes
4x Nvidia V100 SXM2 32 GB

Since 11/2019, [DARI access](#) : [YouTube](#)
Preparatory access 1000 GPU hours

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Free (as in free beer):

- <https://www.kaggle.com/>
python only: jupyter notebook
- AWS Educate :
<https://aws.amazon.com/fr/education/awseducate/>

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- <https://aws.amazon.com/fr/ec2/>
Nvidia V100
Exclusive Nvidia T4 Tensor