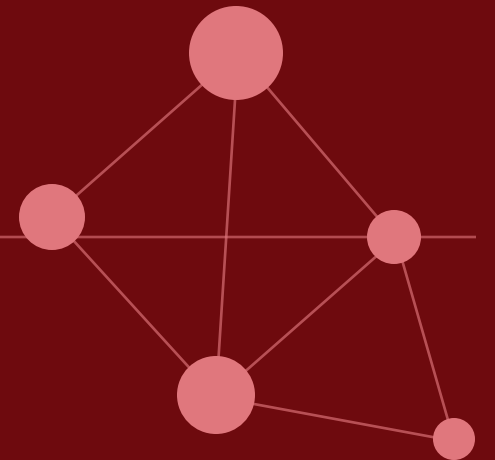
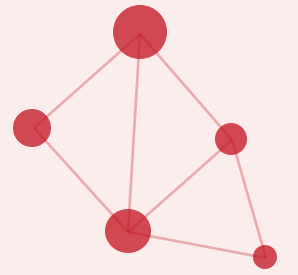


Infrastructures: HPC / HTC / Cloud

Future infrastructures: heterogeneous architectures, accessibility, and data distribution.

Wednesday 23 September – CEA/IRFU





Paradigm shift : IaaS on distributed hardware architectures

As fundamental physics **experimental** and **simulation** data grow in scale, the computing and storage infrastructures have to keep pace, while maintaining an acceptable level of accessibility for the scientific communities, independently of the architecture complexity/heterogeneity. This session looks at where HPC, HTC and Cloud resources are heading.

1

Heterogeneous architectures

Making the most of GPUs, accelerators, and mixed compute back-ends spread across facilities and sites.

2

Accessibility

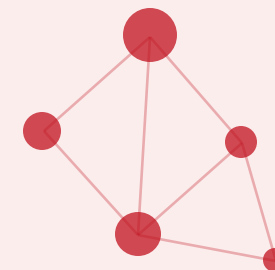
Lowering the barrier for scientists to reach large-scale resources through **Infrastructure-as-a-Service** and workflow tooling.

3

Data distribution

Moving and sharing ever-larger datasets across distributed centers and regional networks such as SRCNet/ACDC.

AGENDA



Afternoon session presentations

Wednesday 23 September · 13:30 – 16:30 · Salle André Berthelot

13:30



Cloud infrastructures (IaaS), accessibility, workflow management

Dr Ricardo Rocha — CERN

30m + Q&A

14:15



SVOM infrastructure

Dr Henri Louvin — CEA Irfu

30m + Q&A

15:00



SKA Regional Centre Network infrastructure

Dr Damien Chapon & Dr David Corre — CEA Irfu

30m + Q&A

15:45



Distributed scientific computing ecosystem in France

Michel Jouvin — IJCLab

30m + Q&A