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A Newly Opened Galaxy Platform at Clermont Auvergne University

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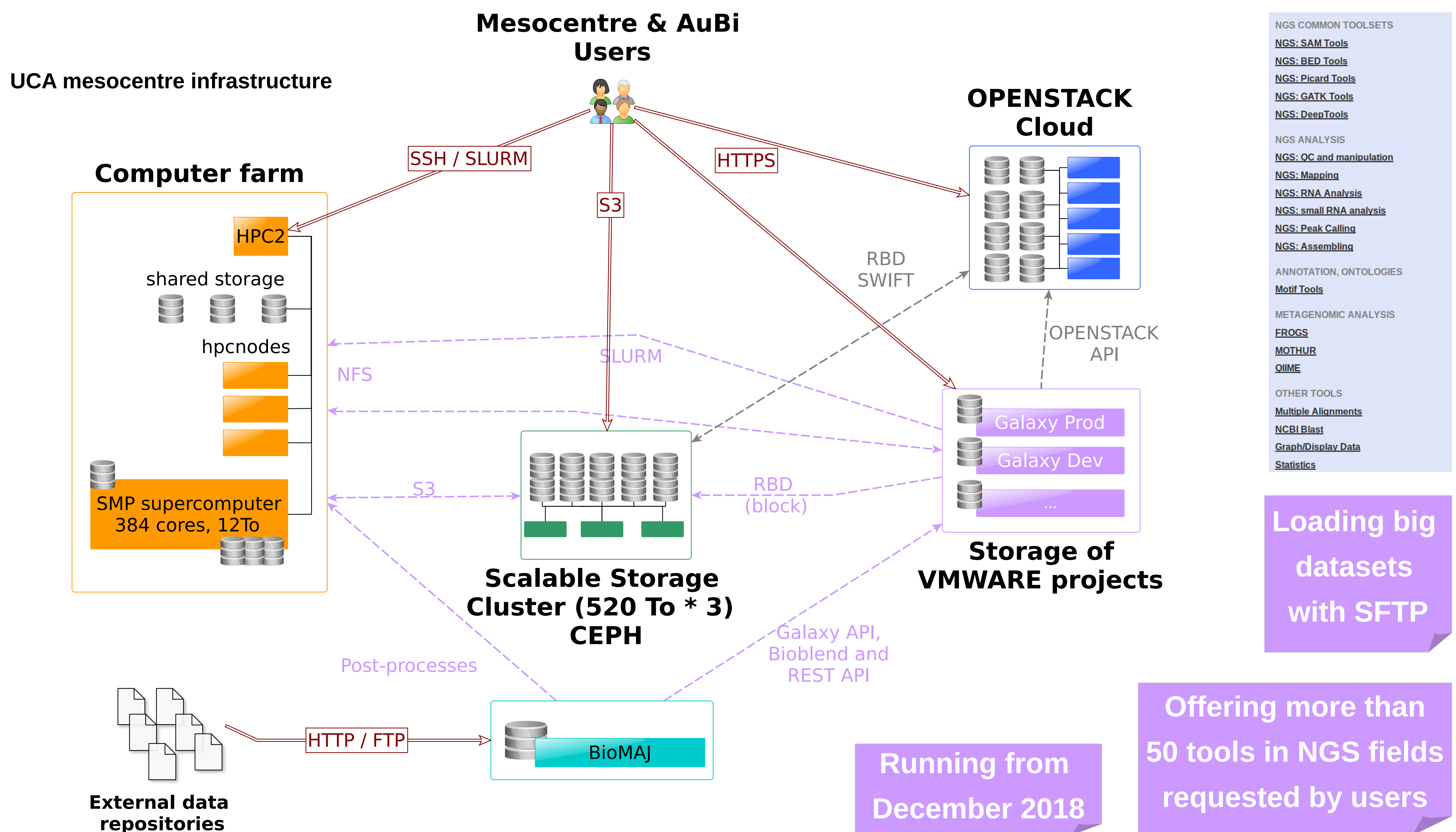
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Hosted by the Mesocentre (<https://mesocentre.uca.fr>), AuBi, the Auvergne Bioinformatics platform is a member of the French Institute of Bioinformatics (IFB, <http://www.france-bioinformatique.fr>). We aim at sharing expertise and knowledge in large-scale data analysis with computing facilities for several research laboratories. A Galaxy server was deployed to fit biologists requests especially in NGS fields.



Reference raw data and indexes are shared between cluster and Galaxy, updated via BioMAJ¹ and BioMAJ2Galaxy². BioMAJ-watcher gives an overview of available references. Basically, archae, eukaryotic microorganisms, viruses, bacteria, fungi, fly, mice, cow, human and plants like arabidopsis, poplar and wheat data are routinely used by UCA life sciences research laboratories.

1, BioMAJ: a flexible framework for databanks synchronization and processing. Bioinformatics, 2008, Volume 24, Pages 1823-1825

2, BioMAJ2Galaxy: automatic update of reference data in Galaxy using BioMAJ. GigaScience, 2015, Volume 4, Pages 22