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## Storage at CERN: towards the Chamäleon

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Tailoring storage services for the growing community requirements demands high flexibility in our systems. Huge volumes of data coming from the detectors need to be quickly available in a highly scalable mode for data processing and in parallel guarantee high throughput for long term storage. These activities are radically different in terms of storage QoS but all of them are critical to comply with the timings of the experiments' workflows.

Different storage services at CERN cover the needs of our community: EOS and CASTOR as Large Scale Storage Services, CERNBox for community storage, CEPH providing support for Openstack virtual images and attached storage volumes, Filers for very specific filesystem needs and AFS which replacement is being evaluated. Trends in the usage of storage systems show the need for fast adapting to the changing community demands. Behaving more like Chamaleons rather than Elephants.

### **Length of presentation (minutes, max. 20)**

20

**Primary author:** ESPINAL CURULL, Xavier (CERN)

**Co-authors:** PACE, Alberto (CERN); VAN DER STER, Dan (CERN); ROUSSEAU, Herve (CERN); IVEN, Jan (CERN); MASCETTI, Luca (CERN); LAMANNA, Massimo (CERN)

**Presenter:** ESPINAL CURULL, Xavier (CERN)

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