Data transfer PIC to CNAF

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Data transfer PIC → CNAF

- Discussions with LST offline data managers started a few weeks ago

- Activity: find a good strategy for data replication and data access for LST users
  - Interface between the two data centers towards a common agreement

- Having replicas at CNAF:
  - improves reliability, fault-tolerance and accessibility
  - allows data analysis

- At CNAF the resource pledge 2019 for CTA+MAGIC (going to be merged) is:
  - computing: 5000 HS06
  - storage: ~1300TB disk (~650TB used), 270TB tape (~50TB used)

- We got an agreement for data replication between PIC and CNAF

- PIC and CNAF share the same technologies (FTS over gridFTP)

- CNAF is ready for receiving data
  - PIC must open a new data channel towards CNAF

Data access

- Data access is still under discussion

- PIC proposes to CNAF to adopt its data access model based on WebDAV + LDAP
  - it implies an external data access controll handled by CTA
  - possible security issues: CNAF security experts are investigating
  - CNAF will provide a response on this week

- As alternative CNAF proposes WebDAV + Indigo IAM configured to leverage on the credentials provided by Edugain Identity Federation
  - it should include almost all the involved LST Institutions
  - In the meanwhile, LST users can access data by using grid credentials
    - a large (>50%) fraction of people who want to access LST data are not "Gridified"

- As soon as the agreement is reached, I will present the strategy to the LST Executive Board