Introduction:
Future of $\mathcal{DDM}$

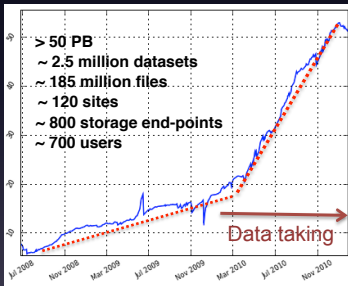Graeme.Stewart@cern.ch, Vincent.Garonne@cern.ch

ADC Retreat, Napoli, Febuary 2011

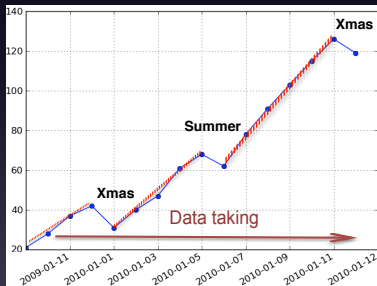## Future challenges

- Scalability, reliability, automation/maintenance

Current scale

- Evolution of the total space (PB)

> 50 PB
~ 2.5 million datasets
~ 185 million files
~ 120 sites
~ 800 storage end-points
~ 700 users

Data taking

- Traces per month (M)

- Central services load
  - Read - 14 Million daily hits, Write - 600,000 daily hits

2013 ?

GDB Data Access and Management Demonstrators

- http://indico.cern.ch/conferenceDisplay.py?confId=118230

Timescale

- 2011 – 2012: Prototypes/Demonstrators
- 2012 – 2013: Production

Topics for the discussion

- User clients & Interfaces
- Middleware & Storage systems
- New technologies