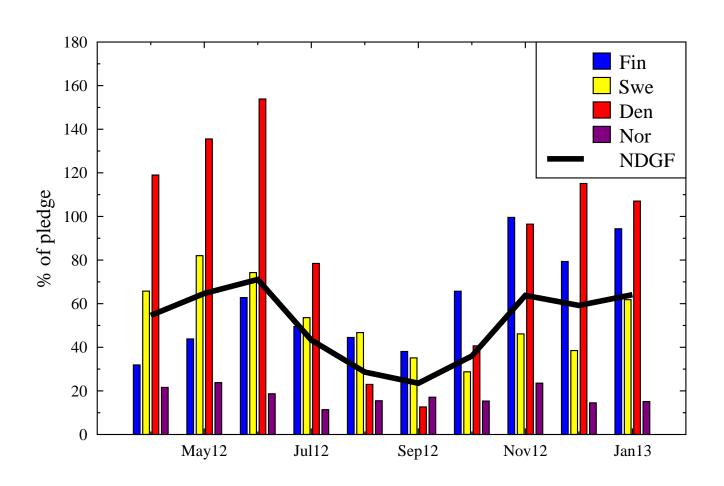
ALICE

Erik Edelmann

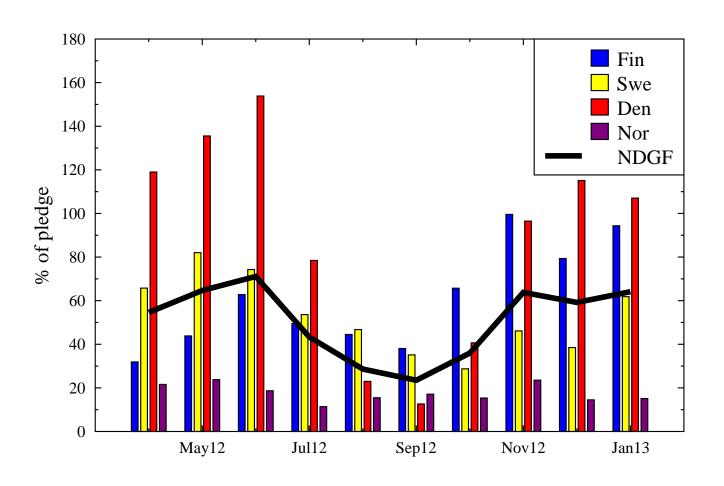
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NeIC / CSC

Pledges: CPU



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In 2013 the pledge increases from 12535 to 13383 kHEPSPEC06

Pledges: Storage

- Disk
 - 2012 Pledge: 1.325 PB (NDGF-T1) + 400 TB (SNIC-T2)
 - Installed: 711 TB + 400 TB
 - In use: 617 TB + 125 TB
- Tape
 - 2012 Pledge: 1.761 PB
 - Installed: 2.4 PB (according to bdii1.ndgf.org)
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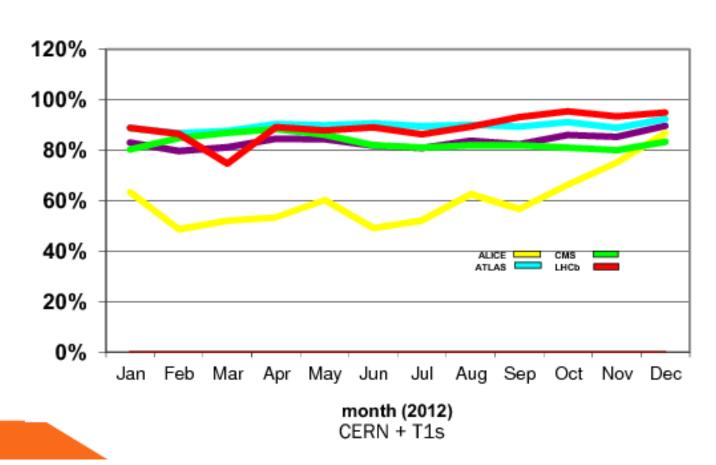
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In 2013 disk pledge increases to 1480 TB, Tape to 2276 TB

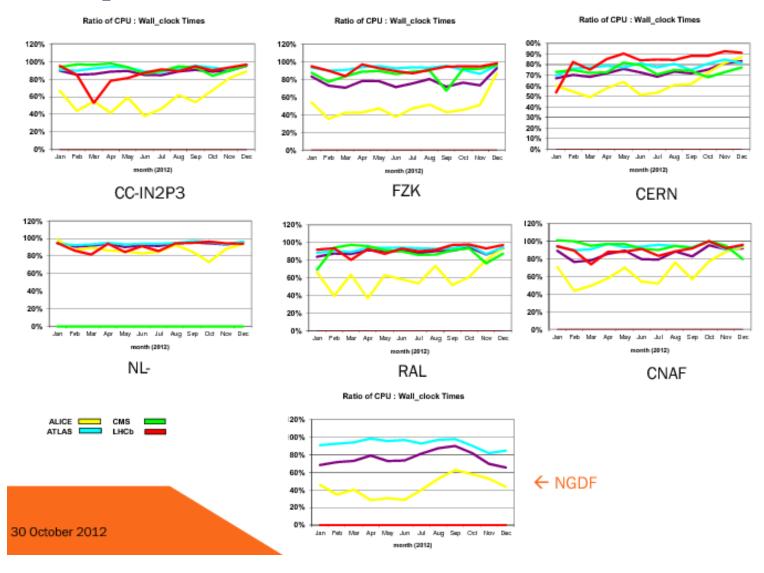
ALICE has been infamous for bad job efficiency ...

... but it's not that bad anymore ...

Ratio of CPU: Wall_clock Times



... except for NDGF



- Distributed storage not necessarily a problem
- but could it be made more efficient?
 - Caching?
 - 'hints' of where the data is located internally?

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 - When? "They'll tell us beforehand"

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 - Pros:
 - Fewer VO-boxes to keep track of.
 - Easier to add new clusters.
 - Simplified accounting (Using ARC everywhere would be enough for this)
 - Cons:
 - We would replace something that works with something untested.
 - "Political" issue: On the Alimonitor map, one nordic country would have a huge cluster, the others nothing.

Long shutdown plans

- For us, mostly business as usual:
 - Reprocessing of 2011 data, MC, user analysis ... ⇒ jobs running, needs access to data.

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- Sites may be asked to upgrade to SLC6 ("if OK with the sites")
- IPv6
 - CERN aims to have IPv6 fully deployed by the end of LS1 (autumn 2014)
 - Publicly accessible services should be reachable on dual-stack.
 - ALICE would like to start testing their software with IPv6 already now
 - Would be nice if VO-Boxes could be dual-stacked ASAP.

Summary

- We need more resources
- We'll have to think how we do storage and organizes VO-boxes
- We'll need IPv6.