15.8.0 release, what for?

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15.8.0 context

- ❏ Baseline plan is to make a 16.0.0 (sw deadline 30th August) for a reprocessing in September

- ❏ 15.9.0 mid july including in particular new gaudi v21 and new lcg58 (new Pool, Root 5.26…). Date and scope still being discussed.

- ❏ 15.8.0 was built from DEV VAL rel_5, distribution imminent. 15.9.0 was immediately opened

- ❏ AtlasProduction 15.8.0.Y just opened, release coordinator : Danilo Banfi

- ❏ No 15.8.X opened so far, will be done if and when needed.

- ❏ If a reprocessing to be made before September (previous discussion…), baseline plan would be revised.

15.8.0 what for ?

- ❑ 15.8.0 is the first release built from DEV since >1 year ! Previous releases were made from constant backporting of tags.

- ❑ 880 tag difference between 15.6.10 and 15.8.0! (out of ~2000 packages in a release)

- ❑ Then it must be a pile of junk, right ?

- ❑ Of course not:
    - o Nightlies constantly monitored by reconstruction expert shifter (Cat 2 shift see https://twiki.cern.ch/twiki/bin/view/Atlas/RecoWeeklyExpertShift sign up with Rolf Seuster)
    - o Tag approval meetings twice a week with release coordinators to discuss status and incoming tag bundles
    - o All tags from previous releases automatically swept to 15.8.0 so 15.8.0 cannot have obsolete tags
    - o Used by developers to test code prior to back-port to 15.6.X.Y (current Tier0/MC frozen reco, geant4) (hence contribute to the stability of 15.6.X.Y)
    - o Externals essentially identical (except Geant4)
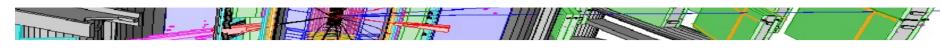
- ❑ However:
    - o No large scale (>1000 events) organised common production on data neither MC
    - o No or little test of utilities used in production (e.g. DataQuality)
    - o No deployment on the grid

- ❑ Goal:
    - o Validate 15.8.0 now to discover problems now rather than when validating 16.0.0 (with little time to react)
    - o However should not overdo this because developments are still on-going in 15.9.0, and we cannot afford to have three « active » branches : 15.6.X.Y, 15.8.X.Y and 15.9.0

Validation strawman

- 15.8.0 status:
    - functional for collisions data and reco (few hundred events)
    - Configuration problem for cosmics (68793), fix already available
    - https://twiki.cern.ch/twiki/bin/view/Atlas/RecoAtlasProduction158XYStatus will be maintained
- First step : test on few thousands events in nightlies (TCT/FCT), iron out problems with 15.8.0.Y AtlasProduction cache
    - Should aim at deploying quickly a 15.8.0.1 to test grid specific problems
- Hand samples to physics validation group : detailed performance comparison
- In parallel BCT (few millions event on Tier0 or on the grid) to spot rare problems
- Iterate until all possible problems fixed or understood

Reminder

❑Monday 21st June :lxplus alias will point to lxplus5 (slc5, which people should be using since release 15.6.1) instead of lxplus4