

# Proposals for AliRoot evolution

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# Prerequisites

- New build system that is able to work with several repositories and external sources, keep track of the required versions, etc.
  - See the presentations of Giulio and Dario
- Possibility to integrate tests suites in the build system
- Agreement on the workflows: GitHub with pull requests, feature branches, etc.

# Goals

- Convergence of AliRoot/AliPhysics and O2
  - Synergy and uniformity
- Better workflow
  - Facilitate the development
- Improve the testing, benchmarking and validation
- Produce better code

# Proposal for the “external” packages

- Remove them from AliRoot and use authoritative sources to populate the corresponding GitHub/GitLab repositories
- Use the new build system for local compilation

# Proposal for OCDB

- Remove the Root files from AliRoot, including the history
- Use set of macros to be able to generate the default OCDB (not possible for some detectors, i.e. TPC)
- Use dedicated repository for the default OCDB
- Provide OCDB snapshot for anchored simulation tests (from AliEn or from a dedicated URL)

# Proposal for the remaining AliRoot

- Move it to GitHub
- Use the agreed workflow

# Plan

- Start the preparation in January'16
- Make the transition in March'16