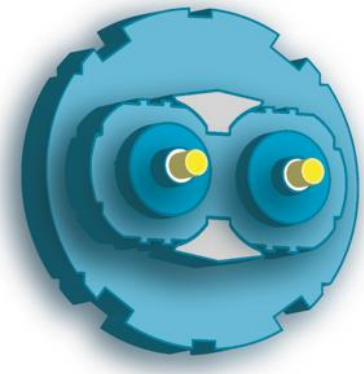


High Luminosity LHC

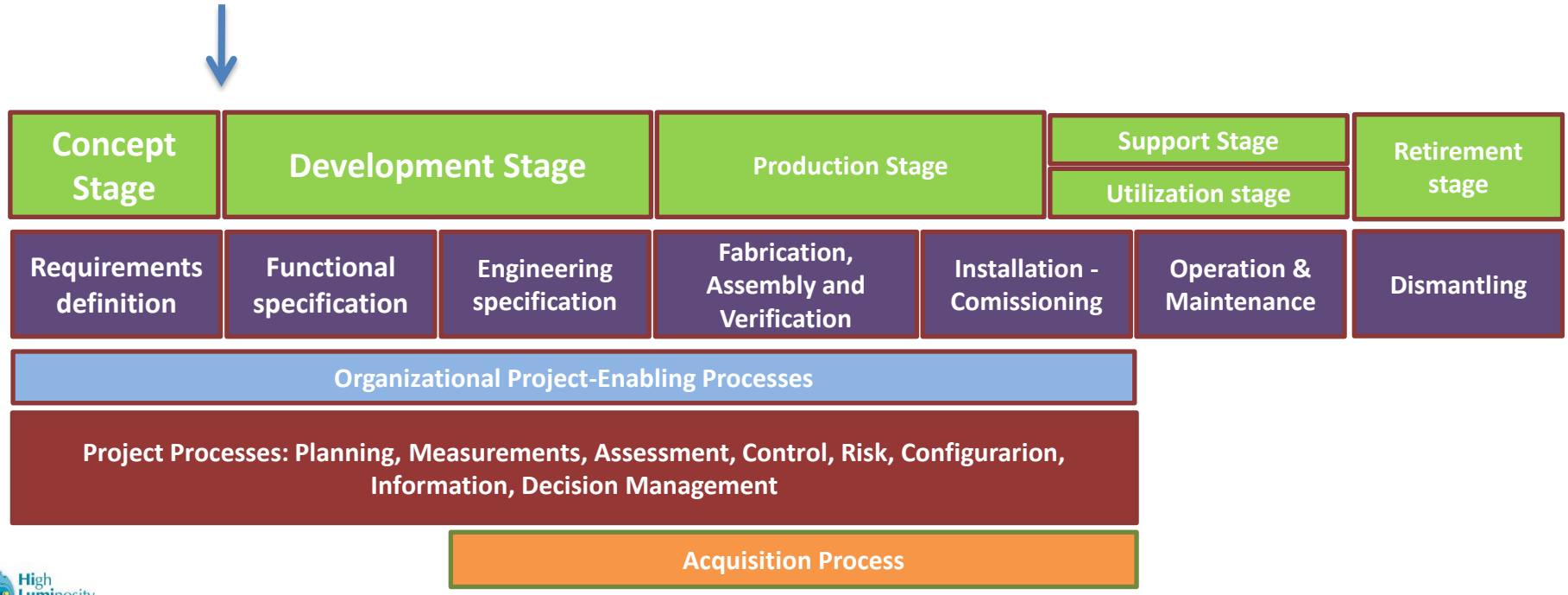
# Conceptual Design

# TC comments (I)

The HiLumi LHC Design Study is included in the High Luminosity LHC project and is partly funded by the European Commission within the Framework Programme 7 Capacities Specific Programme, Grant Agreement 284404.

# HL-LHC Life cycle

Moving from the concept to the development stage implies an assessment and a validation of the requirements.

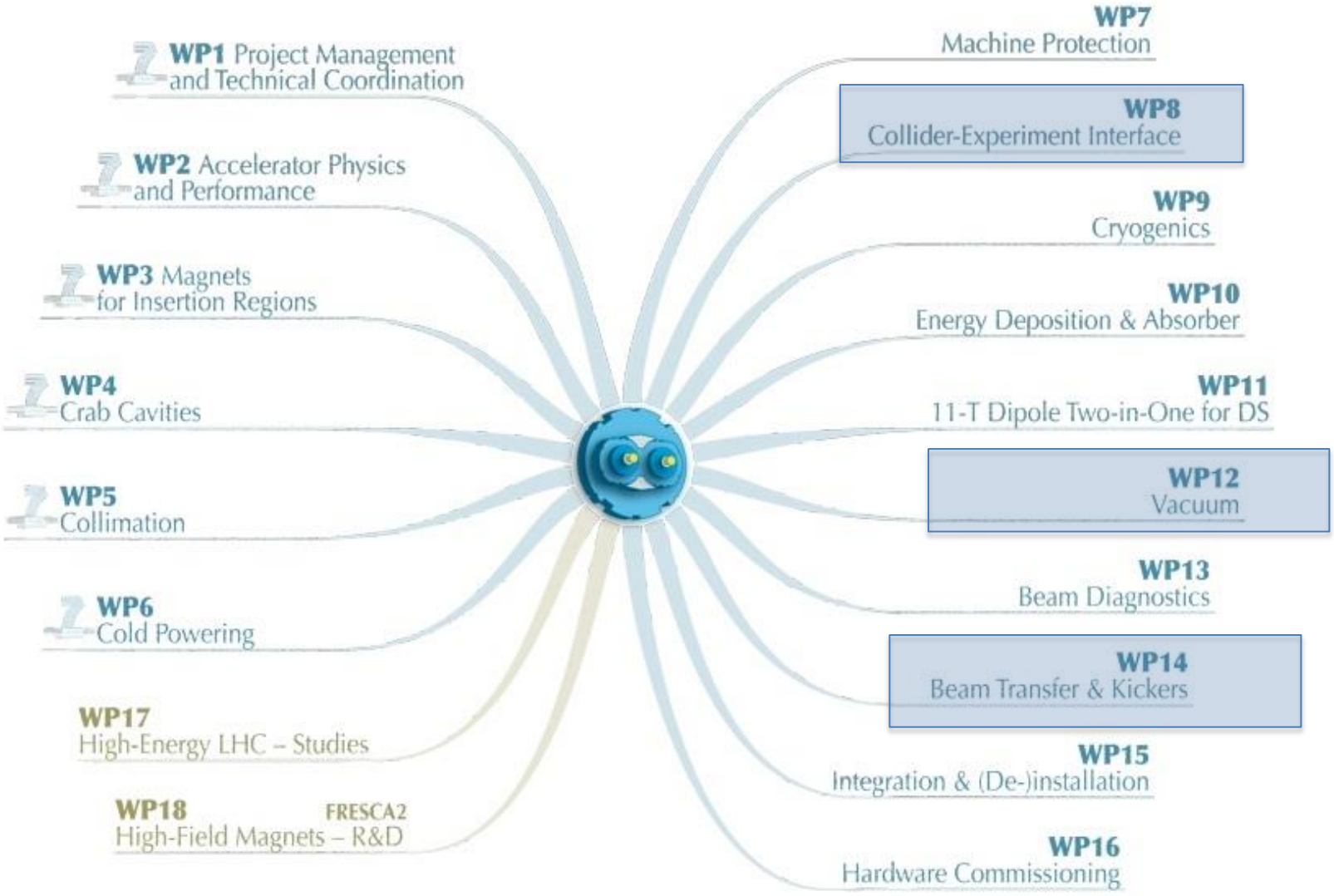


# Moving from Concept to Development

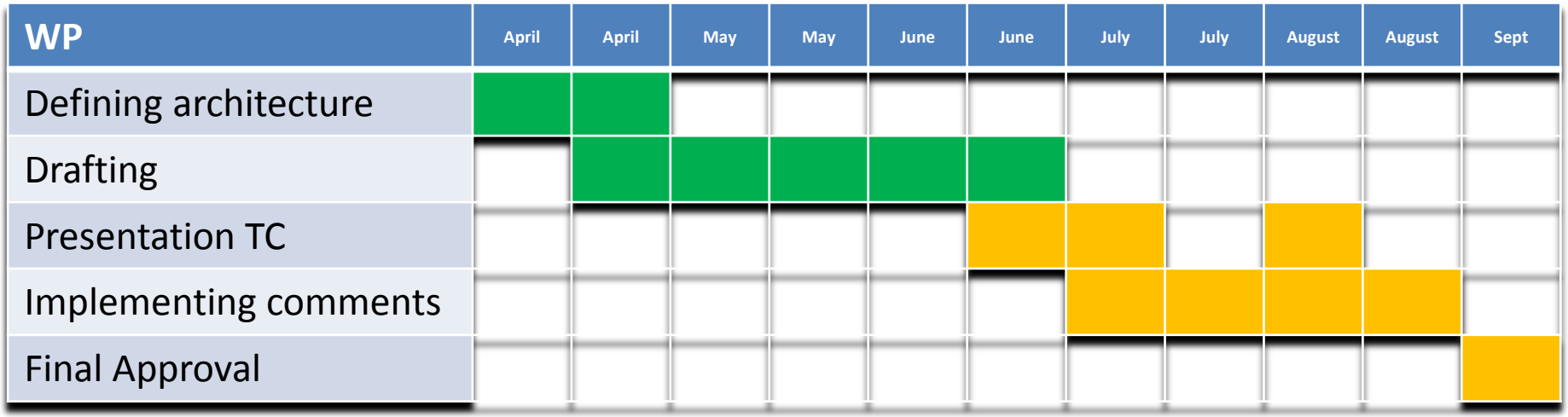
This validation shall at least include a common agreement on the following requirements:

- Performance parameters
- Technical parameters
- Configuration and installation constrains
- Interface parameters
- Cost and Schedule constrains

# WPs included



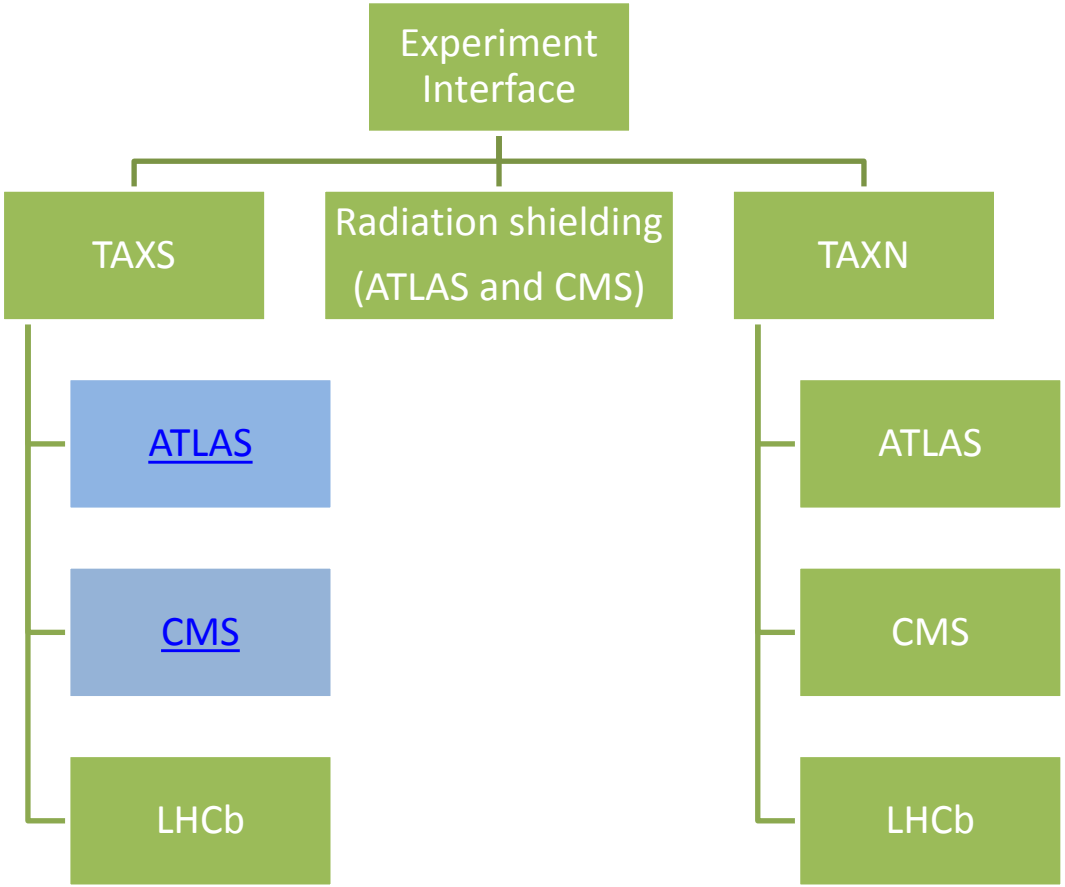
# Time line


WP
April
April
May
May
June
June
July
July
August
August
Sept
Defining architecture
Drafting
Presentation TC
Implementing comments
Final Approval

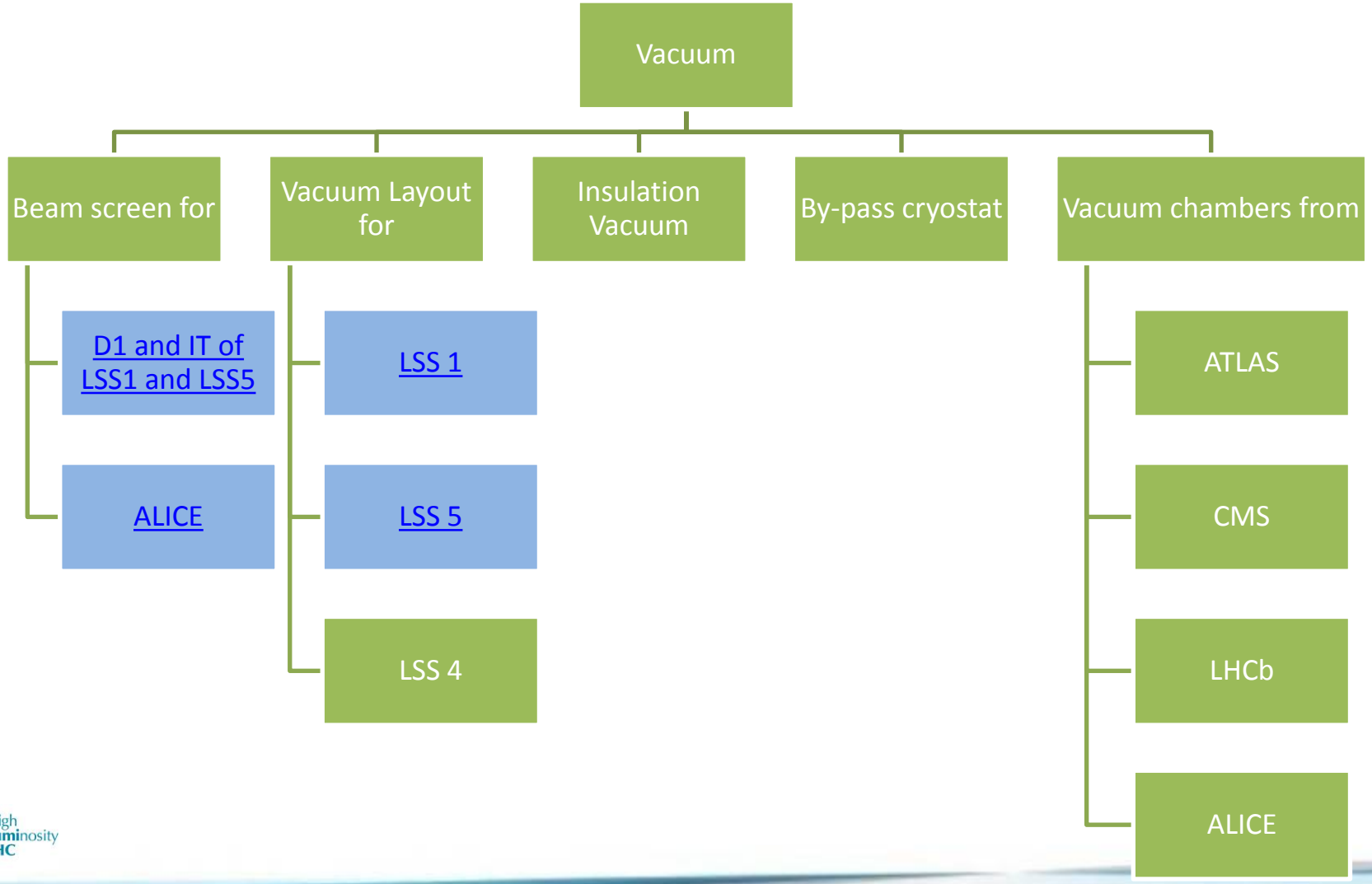
# Work to be done after

- Implement comments received during this sessions (July – Sep 2014)
- Consolidate de conceptual specifications and find missing tasks and incompatibilities (July – Sep 2014)
- Prepare be first Schedule (July - Oct 2014)
- Prepare de bottom up budget (July - Dec 2014)
- Start the conceptual specifications for the “software wps” and for the technical infrastructures and services (Sept - Dec 2014)

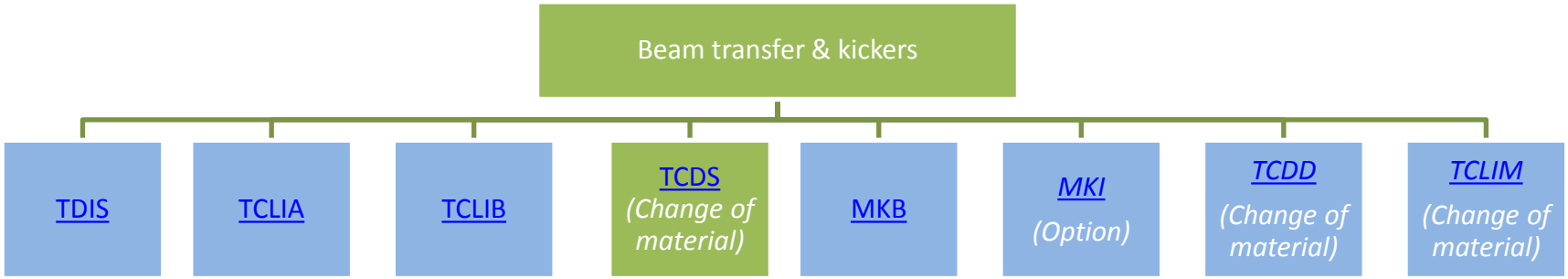
# WP 8 Collider-Experiment Interface



# WP12 Vacuum


Vacuum
Beam screen for
Vacuum Layout for
Insulation Vacuum
By-pass cryostat
Vacuum chambers from
D1 and IT of LSS1 and LSS5
ALICE
LSS 1
LSS 5
LSS 4
ATLAS
CMS
LHCb
ALICE

# WP14 Beam Transfer and kickers

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