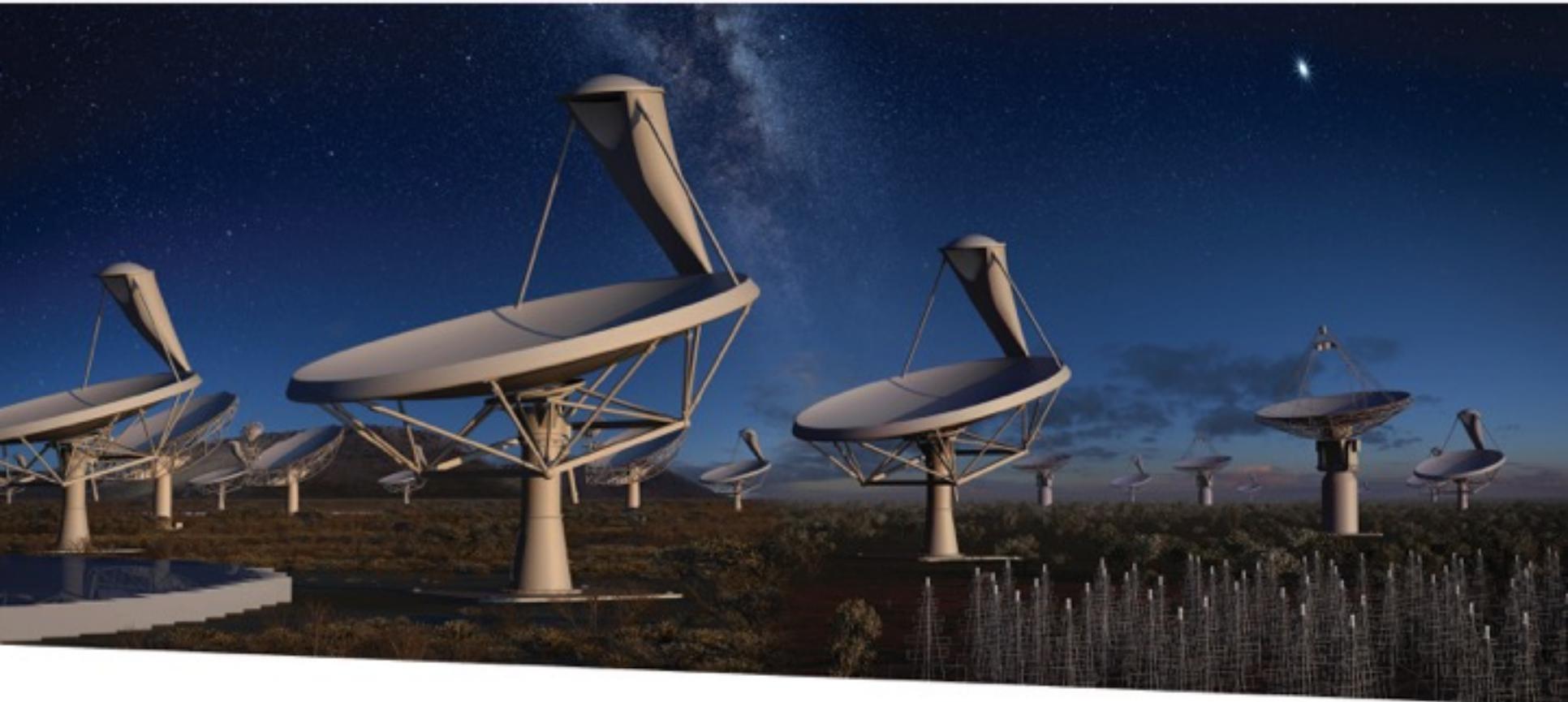


Architectural input to LMC



SQUARE KILOMETRE ARRAY

Exploring the Universe with the world's largest radio telescope

A standard

- Welcome the initiative to define a common standard
- Office will review outcome and declare it a SKA standard
 - We like standards
 - Exception will require a waiver

Life cycle issues

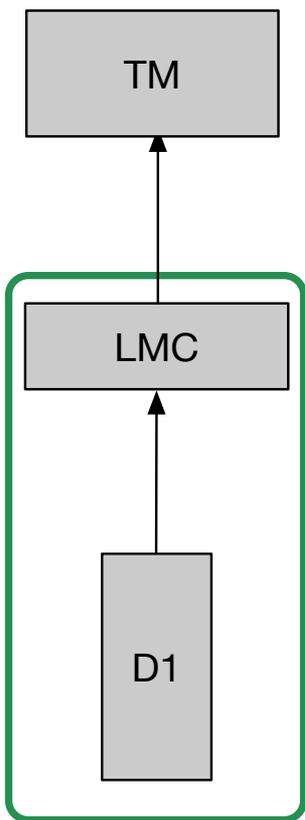
- Design
- Design integration testing
- Procurement
- AIV
- Commissioning
- Operations
- Maintenance
- Decommissioning

Style of LMC

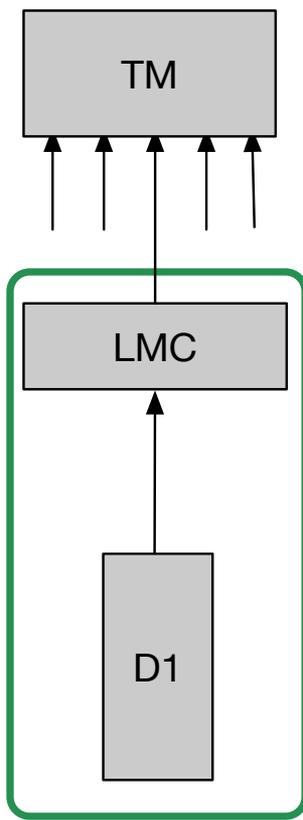
- Operations support must be considered
 - Imagine SKA Computing Department has one person doing LMC support
- Implement via standards
- Limit complexity of functions supported by LMC
 - Move complexity to TM
- Don't replicate inside an LMC, replicate LMCs
- Don't optimise prematurely

TMC styles

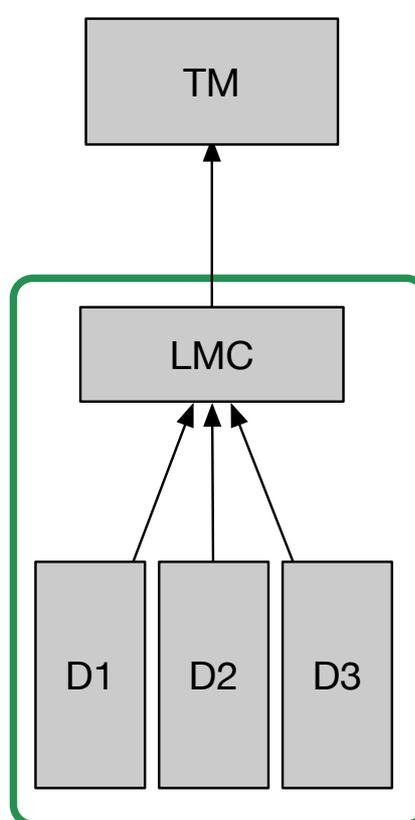
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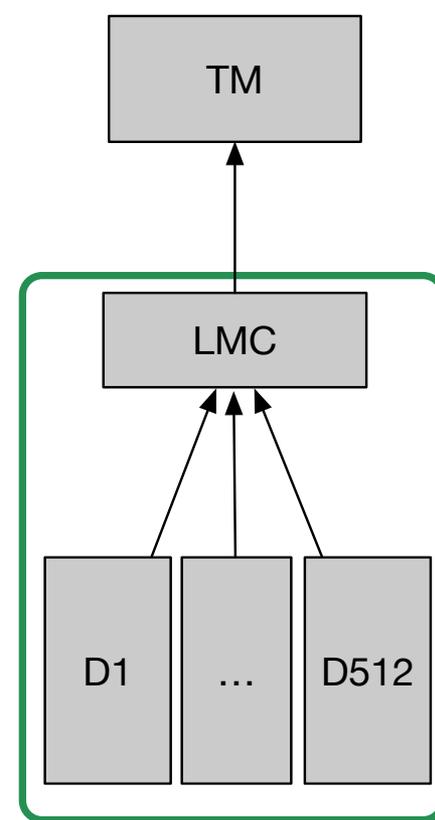
DSH



CSP

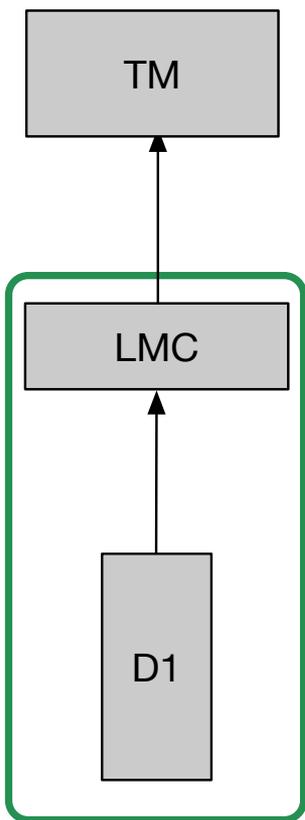


LFAA

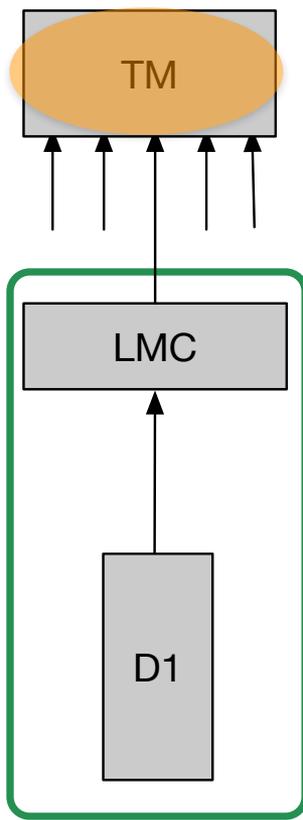


TMC styles

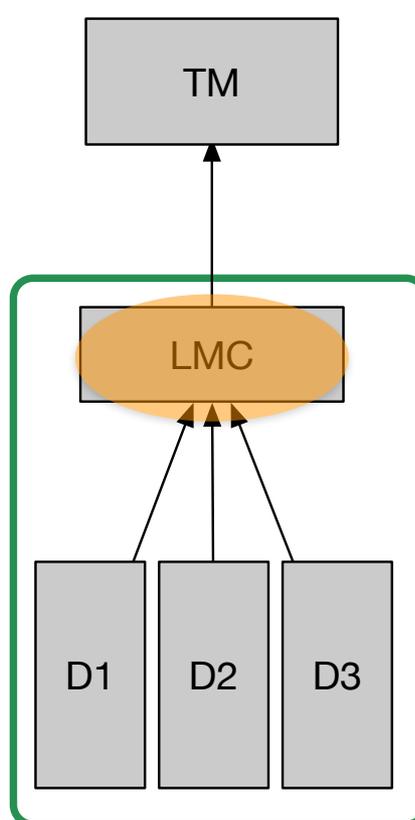
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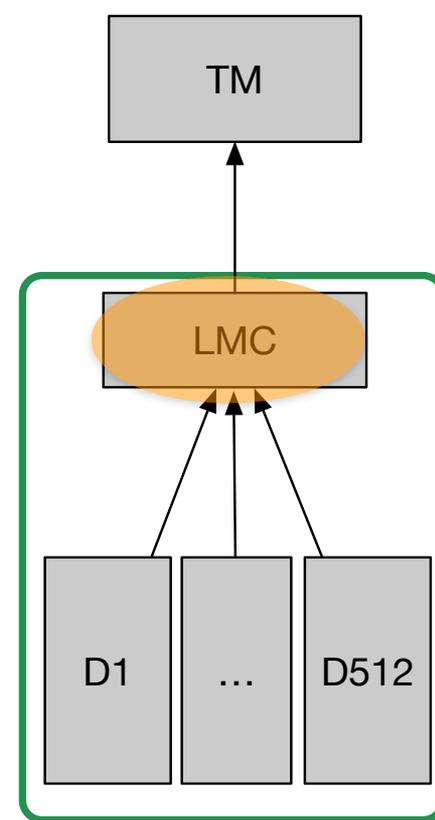
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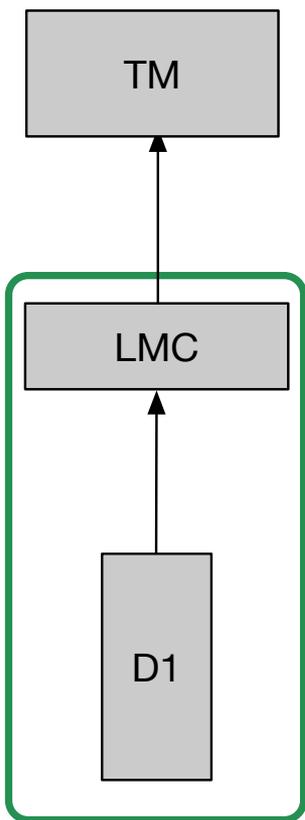


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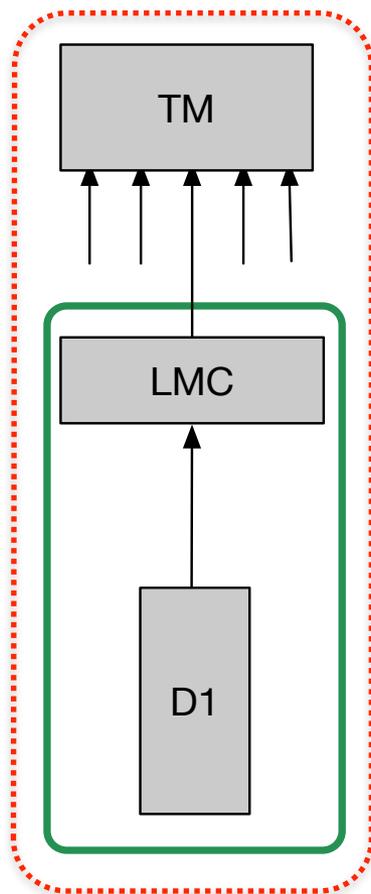


TMC styles

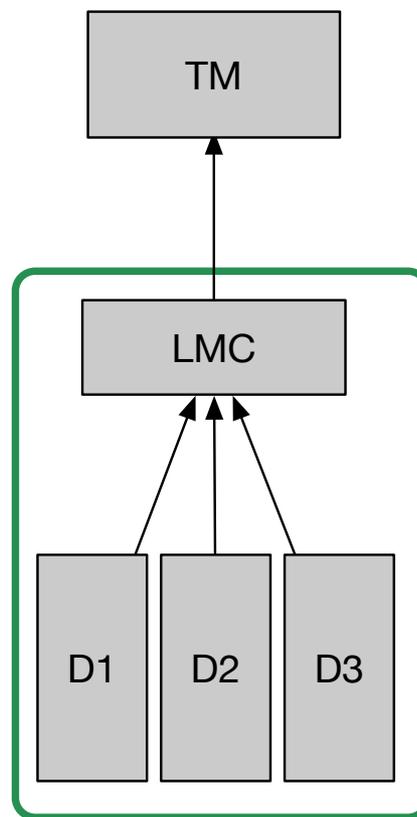
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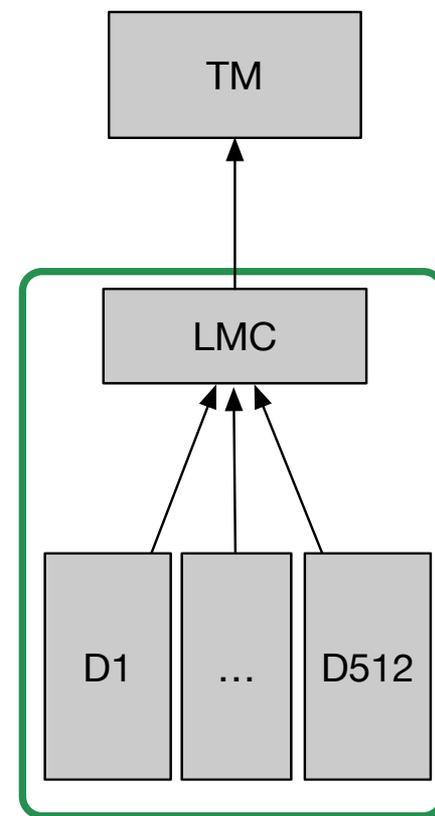
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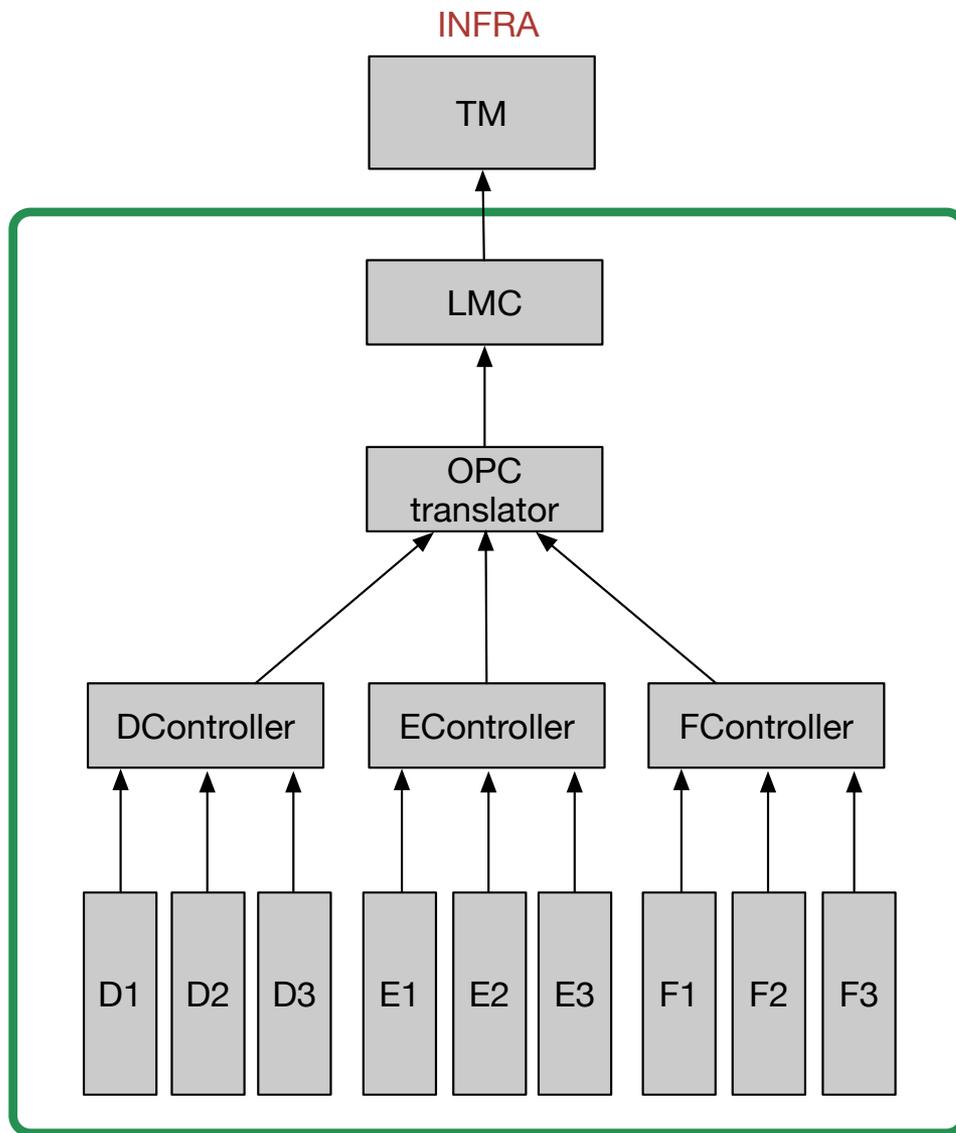


CSP



LFAA





Some suggestions

- Architecture will be expressed in terms of Products or ProductSets
- Recommend one LMC per Product or ProductSet
- Procure multiples of (LMC + Product)
- Let TM deal with complexity