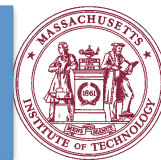


ALICE ITS QC, Current Progress, and Technical Issues

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Goal

- Create a software to monitor the ITS pixel detector performance
- Create my current workflow to the Quality Control (QC) workflow
 - Caveat: no intermediate file should be generated
- Is the DPL available?

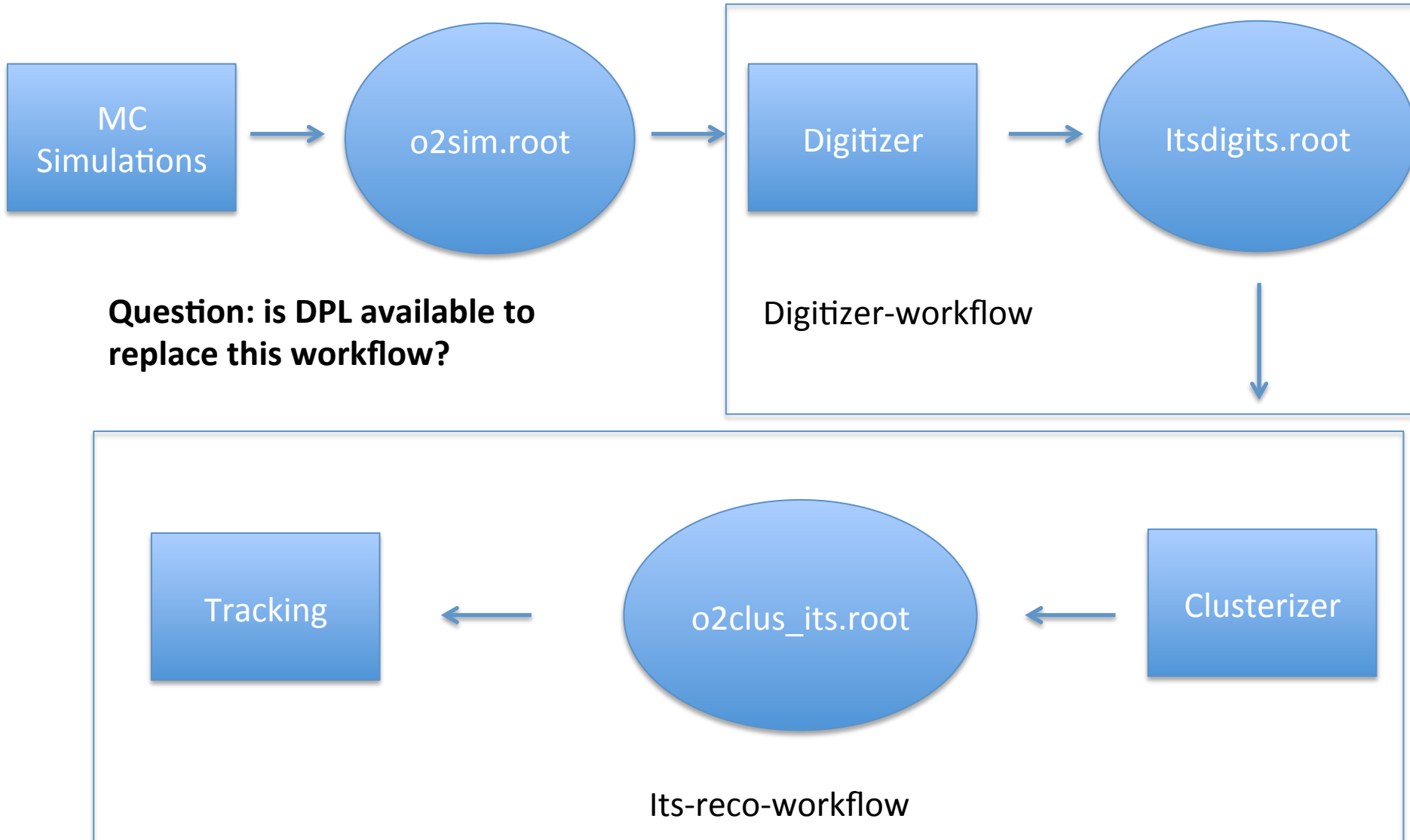


Current Progress

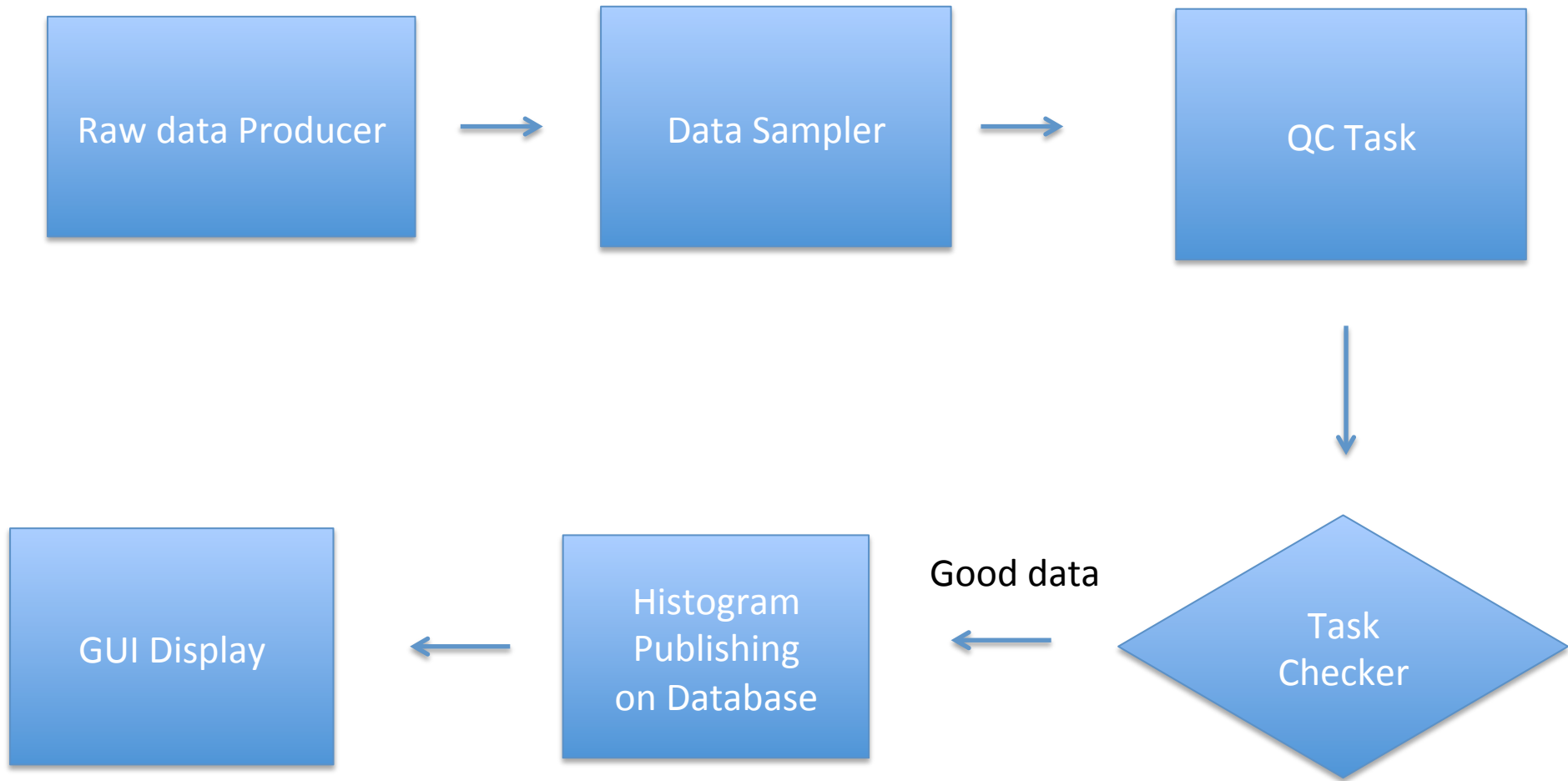
- We have created a compiled module, an analyzer to plot the occupancy and hit map histograms based on the ITS digitized output from the raw data (itsdigits.root) using the DigitPixelReader
- We have created a workflow that can generate MC data, digitize the MC data, and plot the histograms
- We will need to converge our workflow to the QC workflow without intermediate files



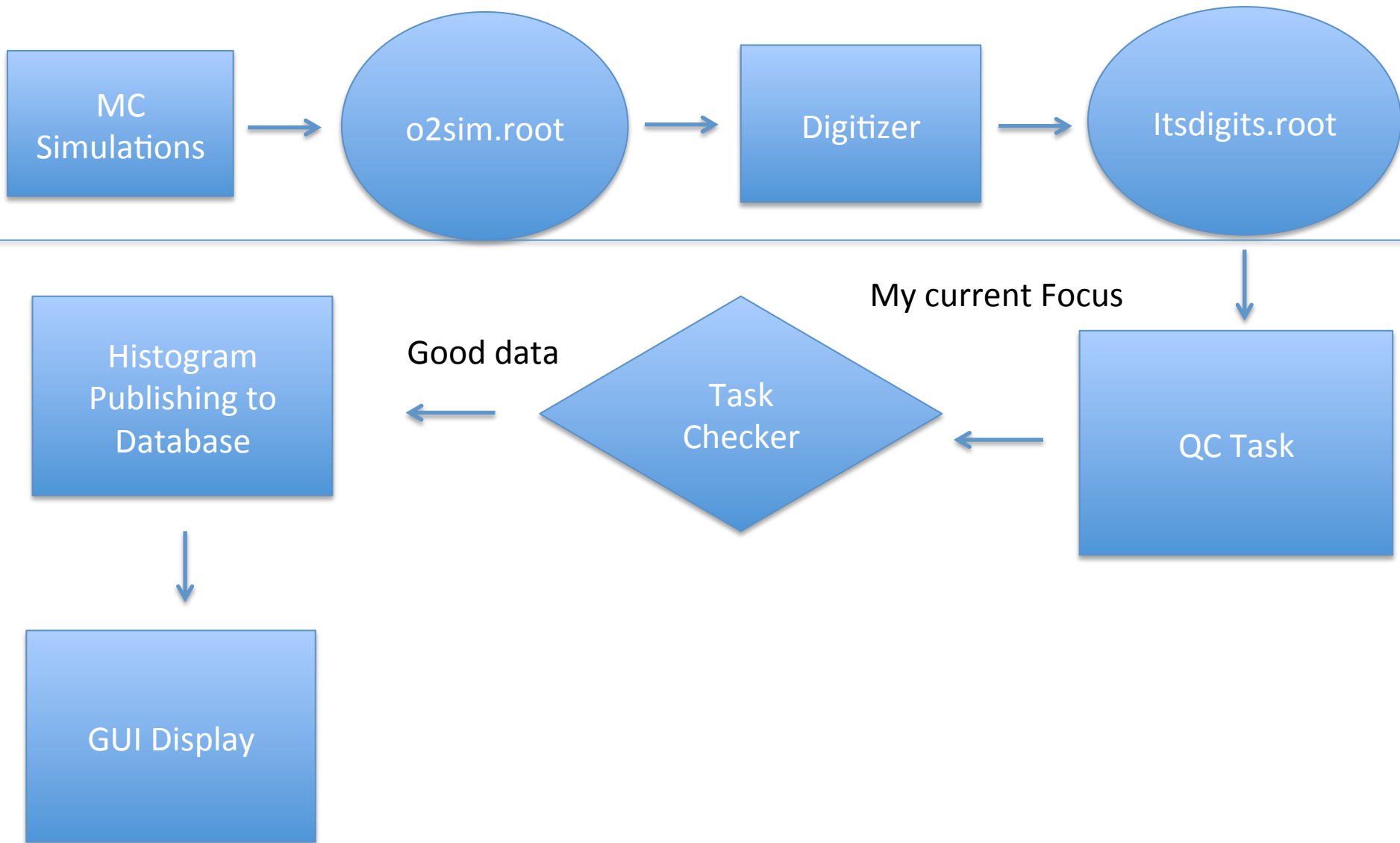
Standard ITS Test Workflows (Starting Point)



QC Workflow (No Intermediate File)



My Current Workflow



Technical Challenges and To Do List

- Removing all intermediate root files and make sure the work flow runs smoothly
- Use DPL instead of an inputfile for data sampling to integrate the digitizer to the QC workflow

