

**ExCALIBUR**  
**10**

# CYLC 8: AN ANALYSIS VIEW

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UK Research  
and Innovation

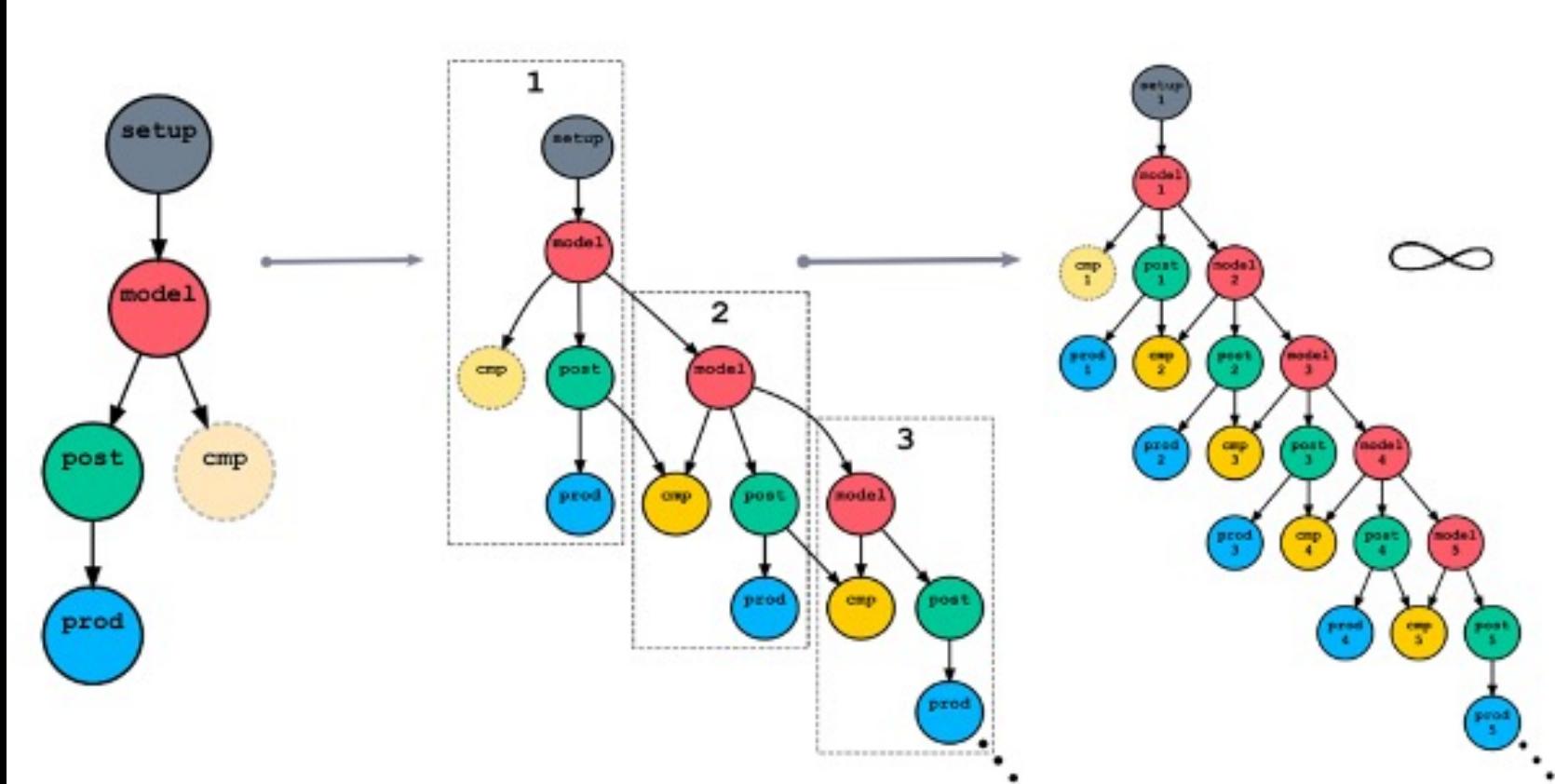


UK Atomic  
Energy  
Authority

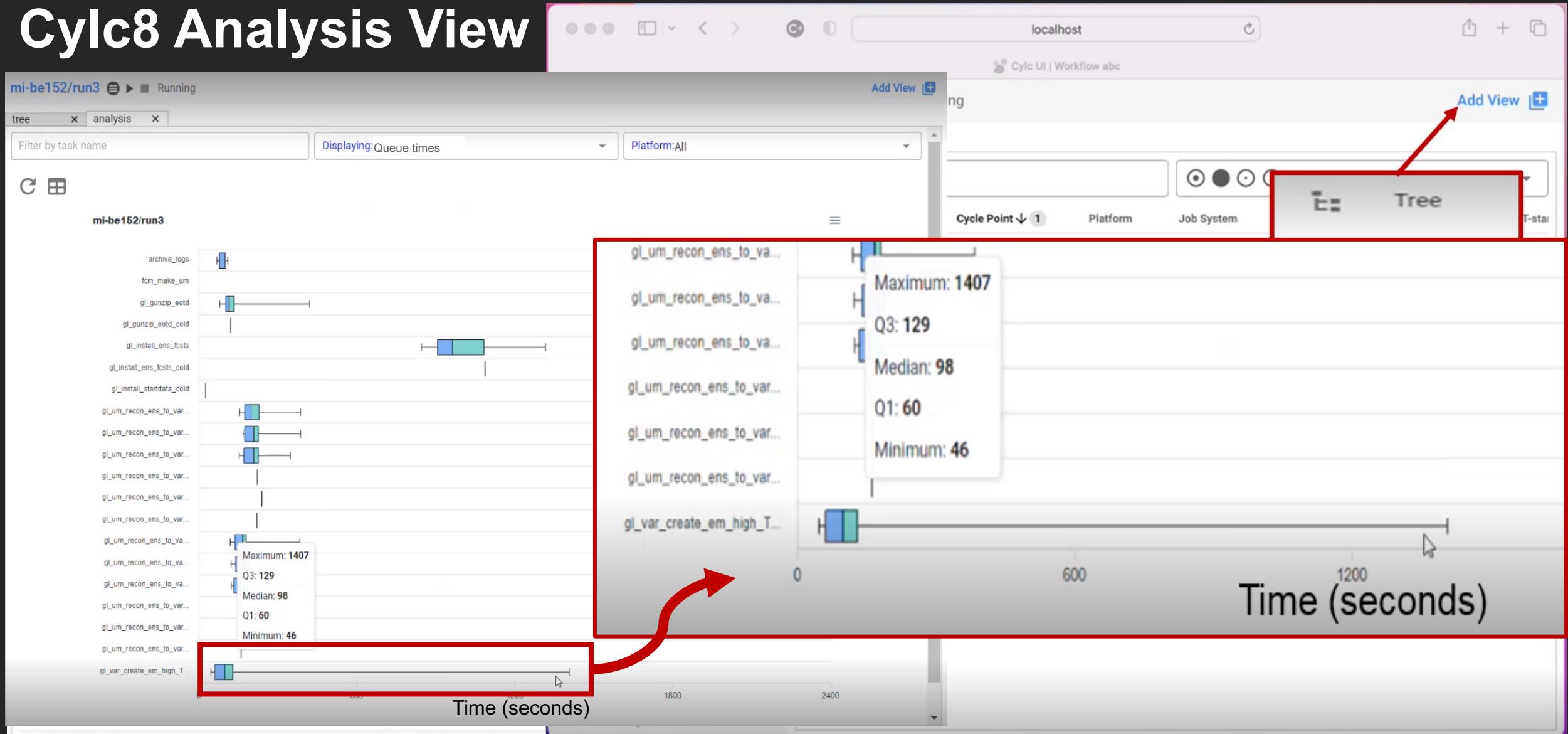
# What is Cylc?



- Cylc is an open-source workflow engine we use at the Met Office and as do other large organisations.
- We use it in weather, climate, and environmental forecasting on HPC, but is not specialised to those domains.
- Cylc handles workflow cycles excellently.
- Cylc handles inter- and intra-cycle dependence equally
- Cylc supports Directed Cyclic graphs (DCGs) and Directed Acyclic Graphs (DAGs)

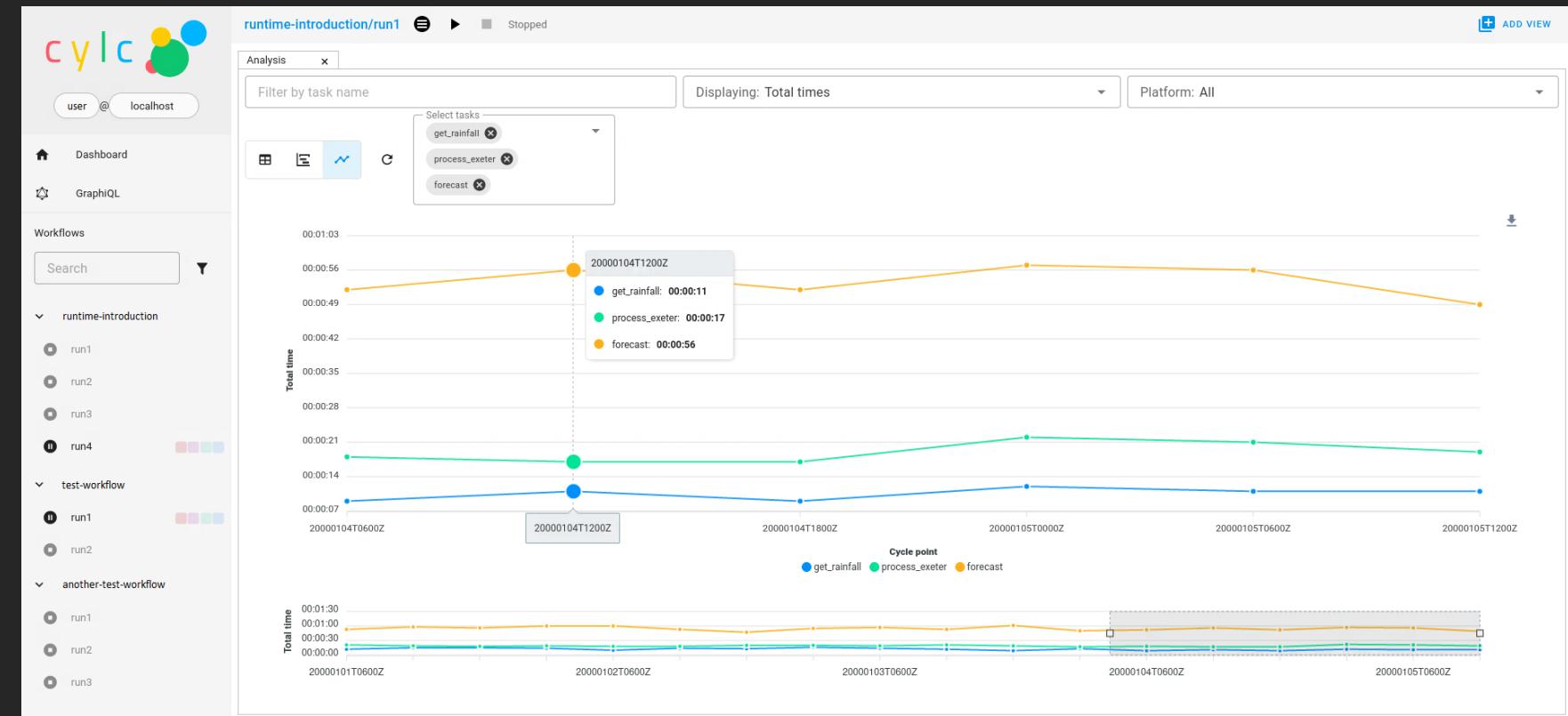


# Cylc8 Analysis View



# Future Work

- Early feedback is very positive
- We are using user feedback to guide future progress
- Future Visualisation additions:
  - Box and whisker plots
  - Gantt charts
  - Time series graphs
- Comparing jobs between the same/different workflows
- Resource usage efficiency



# Summary

## Credits

**Development work:**

**Jamie Allen, Christopher Bennett**

**Support:**

**Oliver Sanders, Ronnie Dutta**

Any questions?

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