

# Hilary Oliver

## (National Institute of Water and Atmospheric Research - New Zealand (NIWA))

**Title: Cylc 8 Workflow Orchestration for Earth System Modelling**

### **Abstract:**

Cylc is Open Source software developed by the Unified Model Consortium to orchestrate cycling (and non-cycling) workflows in research and production environments.

Cylc 8.0 was released in 2022 after a ~4-year programme to re-engineer the system for Python 3, modern web technologies, and a new scheduling algorithm. Cylc 8 is more powerful and easier to use than its predecessors.

Hilary Oliver will present the capabilities of Cylc 8 and will show how it can make life easier for scientists running Earth System Modelling experiments.

### **About the author:**

Hilary Oliver is a Principal Scientist at NIWA where he works mainly on software infrastructure for weather, climate, and environmental forecasting systems. Hilary leads the Cylc project, and he helps to chair the Technical Advisory Group of the Unified Model Consortium.