



**EcoHealth
Alliance**

Workflow Automation with Github Actions

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Outline

- Brief overview of **GitHub Actions**
- Using targets and renv within a containerised **GitHub Actions** workflow
- The container-workflow-template repository as a template for future projects

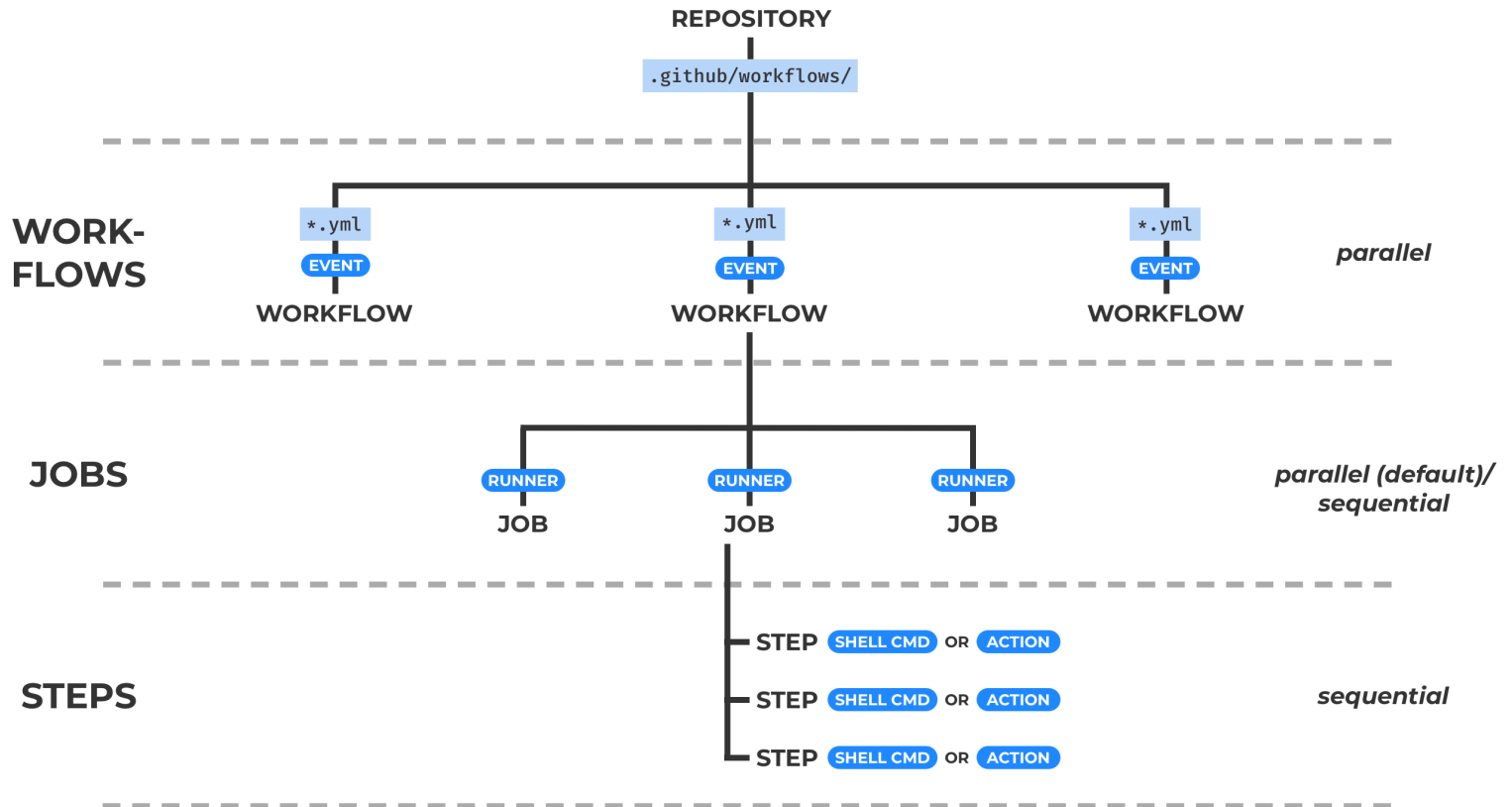
GitHub Actions

- GitHub Actions allows **automation**, **customisation**, and **execution** of your research project workflows right in your GitHub repository.
- Composed of a job or a number of jobs. The job/s are then composed of steps that control the order in which actions are run in order to complete a job/s. This workflow is scheduled or triggered by a specific event and runs on what is called a runner - a server that has the GitHub Actions runner application installed - that is either hosted by GitHub, or self-hosted on your own machines.
- This whole workflow including the event trigger and the runner on which the workflow will run in are specified and detailed using a workflow .yml file that is saved inside a directory named .github within your GitHub repository in which you want to use GitHub Actions on.

GitHub Actions



GitHub Actions



Using targets and renv within a containerised GitHub Actions workflow

Questions?

The container-workflow-template repository as a template for future projects

Questions?

Thank you!

Slides can be viewed at <https://ecohealthalliance.github.io/githubactions> or PDF
version downloaded at
<https://ecohealthalliance.github.io/githubactions/githubactions.pdf>

R scripts for slides available at <https://github.com/ecohealthalliance/githubactions>

Repository for container-workflow-template at
<https://github.com/ecohealthalliance/container-workflow-template>