

Science and Technology
Consulting LLC

# Dry Bench Skills for the Researcher

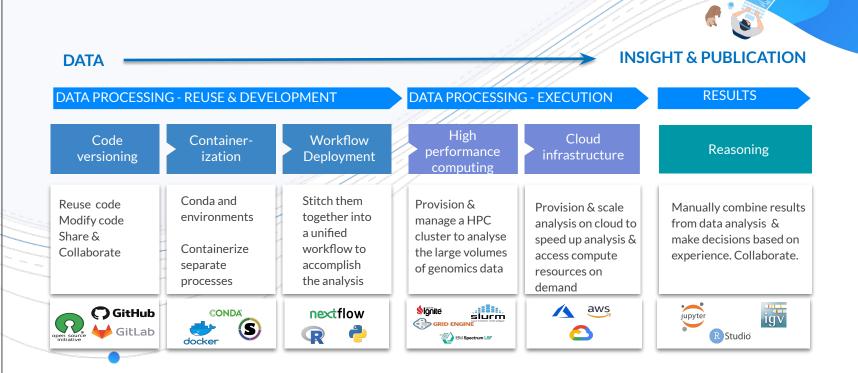
Day 3

Conda and Docker

2020 Dec 7

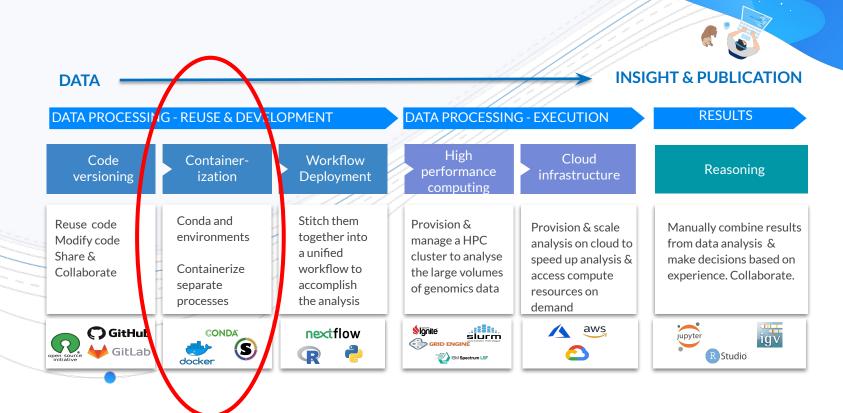
### What are we doing here?

We are taking you through the steps to create reproducible science



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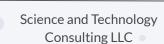
## **Dry Bench Skills Roadmap**

**Putting it all** Intro to Command Git and together line in the **Introduction Conda Collaboration** Nextflow **RNASeq** and Docker **JupyterLab Nextflow &** Interface **Jupyter Notebook** Day 3 Day 5 Day 1 Day 2 Day 4 Conda Nextflow Bash skills intro Git **Best Practices** GitHub for Teamwork Docker RNASeq workflow R JupyterLab JupyterLab JupyterLab Volcano plot Volcano plot Volcano plot Prepping for Nextflow Zenodo

## Dry Bench Skills Agenda - Day 3









#### Managing software dependencies

Conda and Docker in the service of reproducible scientific workflows

#### Agenda for the day:

Time	Programme
12.00 - 12.05	Workspace set up and agenda for the day ○ ◆
12.05 - 12.30	1. What is Conda, what is Docker and why do I need those for my research?
12.30 - 13.15	2. Introduction to dependencies management with conda
13.15 - 13.25	Short break
13.25 - 14.00:	3. Build, test, share and re-use a docker image



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# Thank you

...from everyone at



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