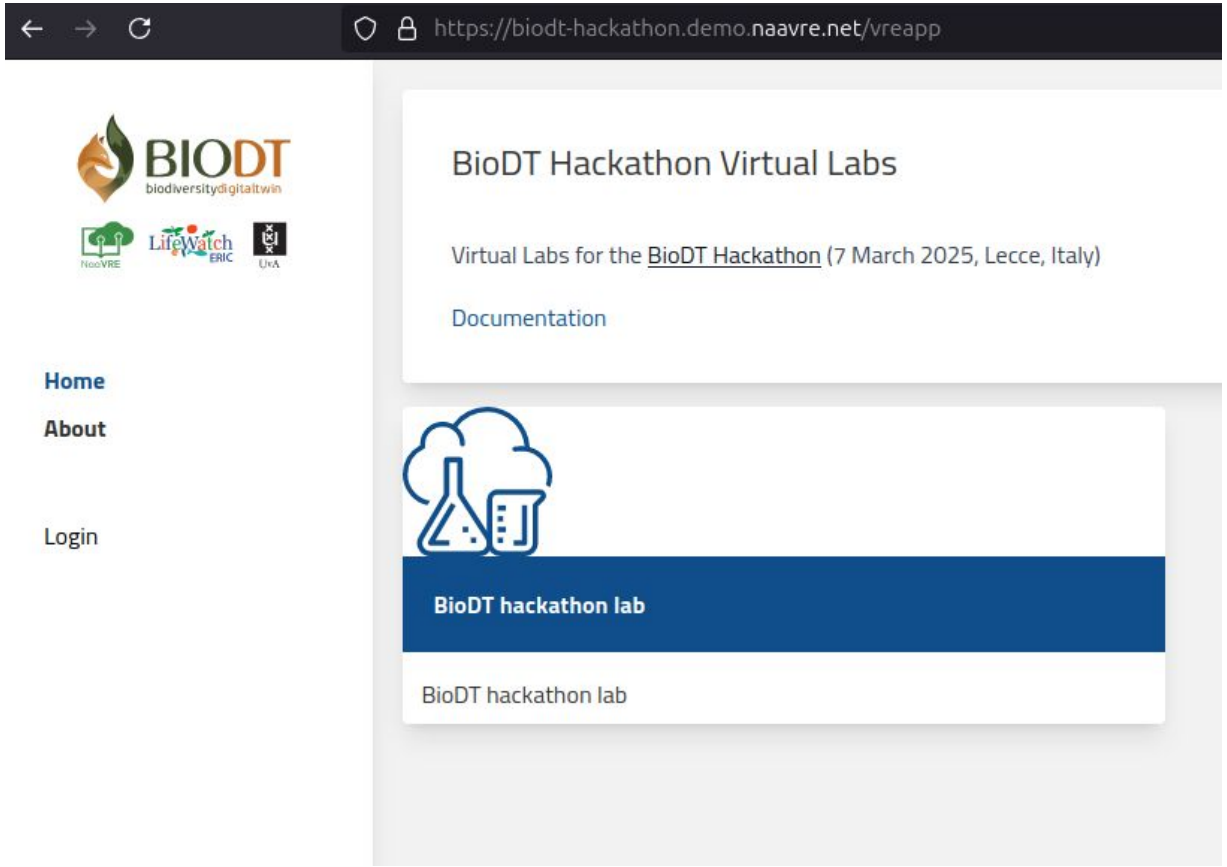
Getting started with NaaVRE

G. Pelouze, S. Koulouzis, Z. Zhao

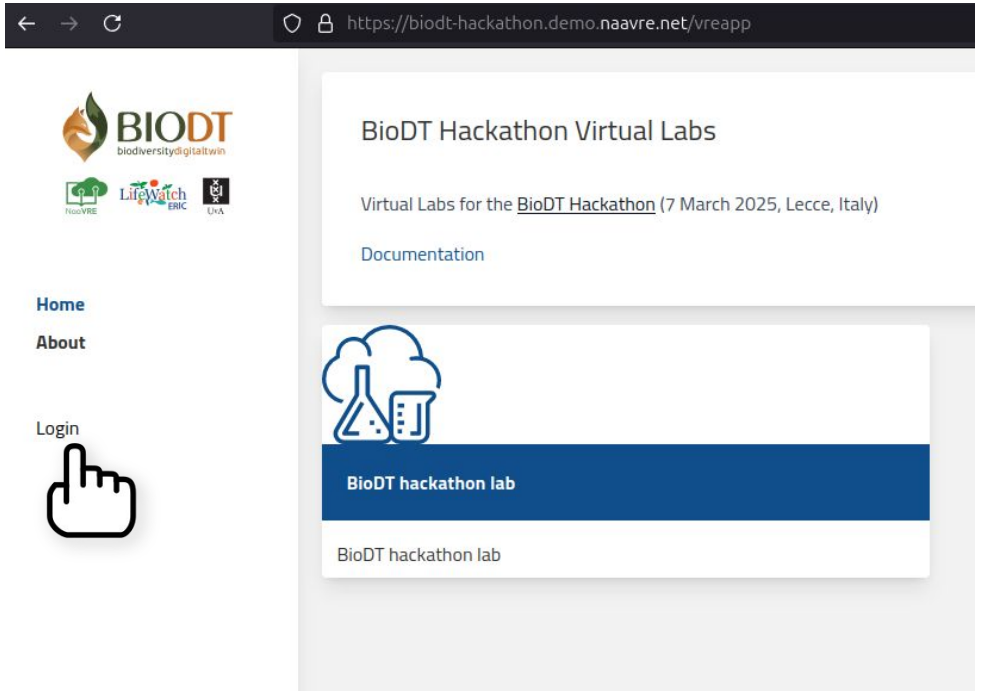
Starting point

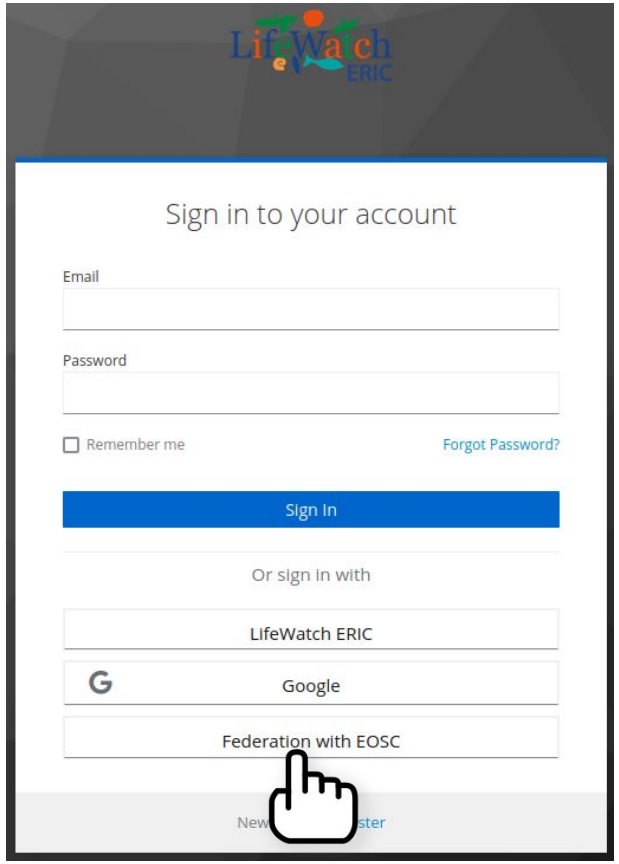
Get started at

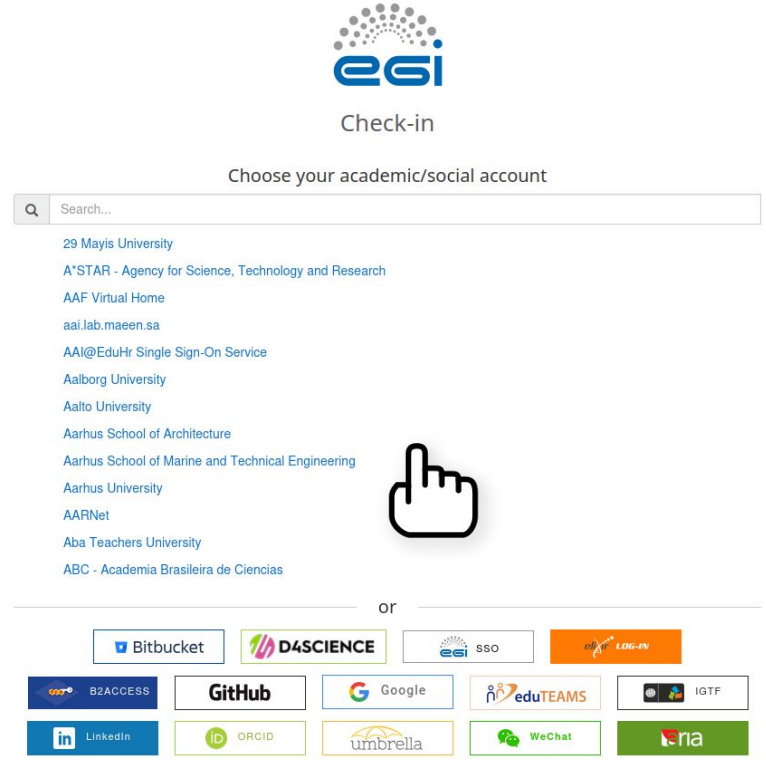
https://biodt-hackathon.demo.naavre.net/vreapp



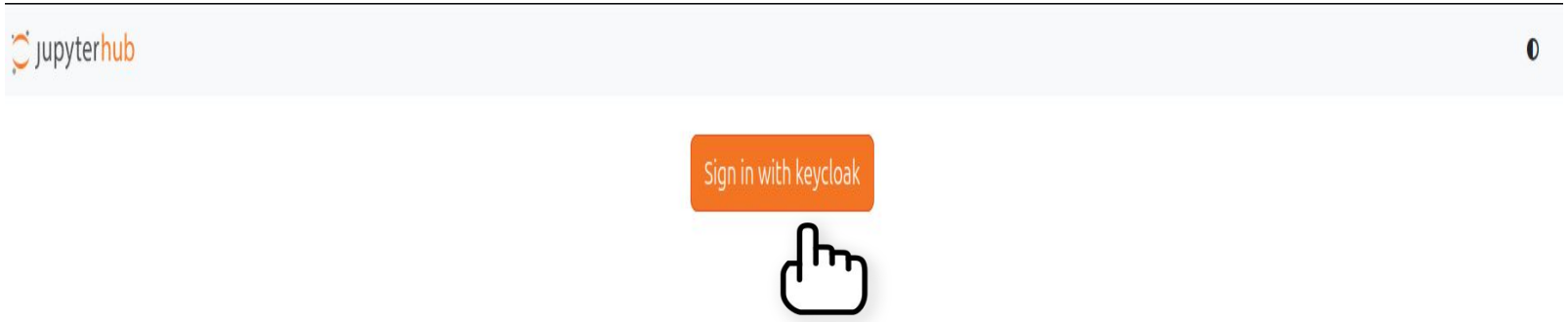
Sign in


https://biodt-hackathon.demo.naavre.net/vreapp
BIODT
biodiversitydigitaltwin
Home
About
Login
BioDT Hackathon Virtual Labs
Virtual Labs for the BioDT Hackathon (7 March 2025, Lecce, Italy)
Documentation
BioDT hackathon lab
BioDT hackathon lab

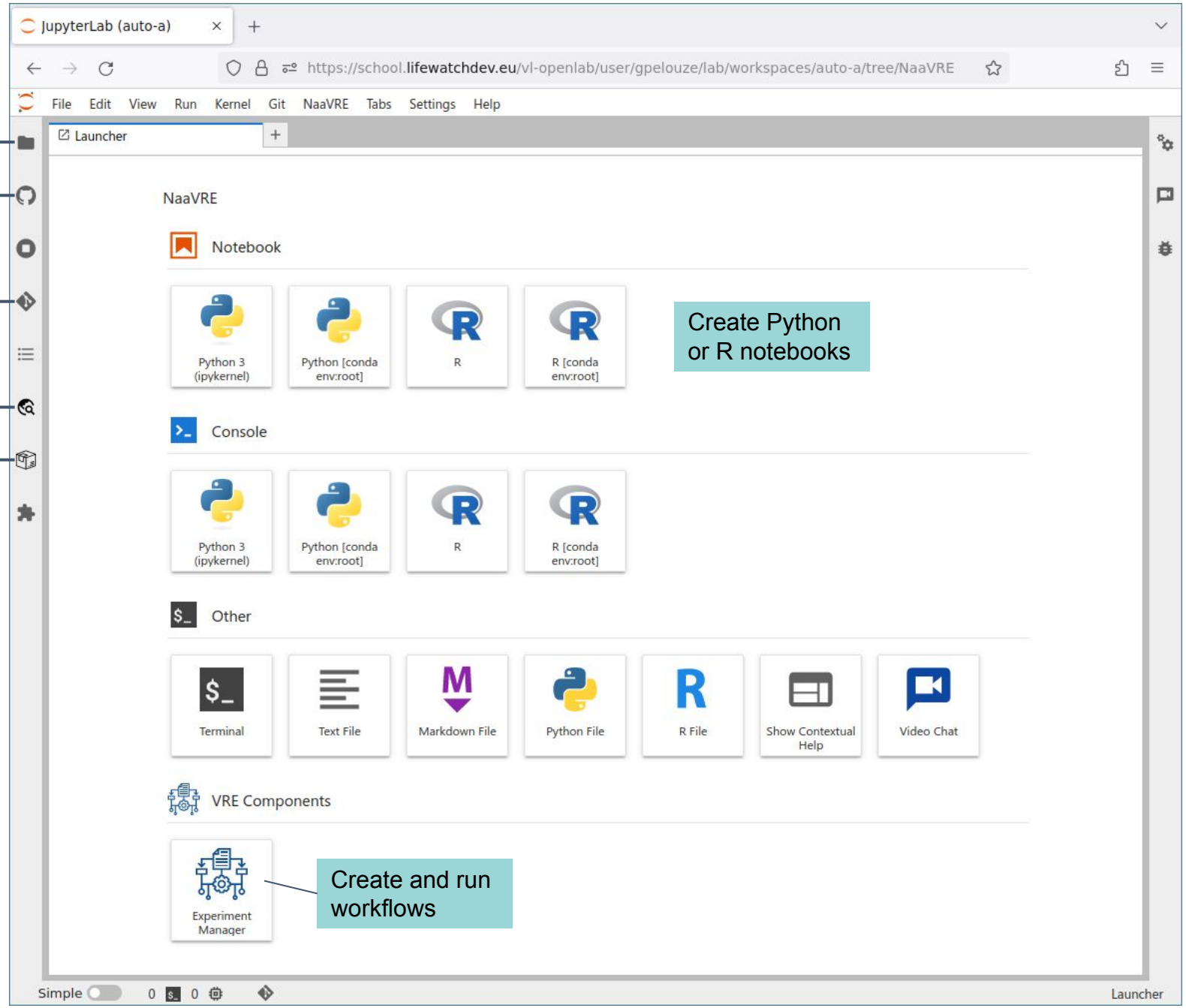

Sign in to your account
Email
Password
Remember me
Forgot Password?
Sign In
Or sign in with
LifeWatch ERIC
Google
Federation with EOSC


Check-in
Choose your academic/social account
Search...
29 Mayis University
A*STAR - Agency for Science, Technology and Research
AAF Virtual Home
aai.lab.maeen.sa
AAI@EduHr Single Sign-On Service
Aalborg University
Aalto University
Aarhus School of Architecture
Aarhus School of Marine and Technical Engineering
Aarhus University
AARNet
Aba Teachers University
ABC - Academia Brasileira de Ciencias
or
Bitbucket
D4SCIENCE
sso
B2ACCESS
GitHub
Google
eduTEAMS
IGTF
LinkedIn
ORCID
umbrella
WeChat

Start your virtual lab

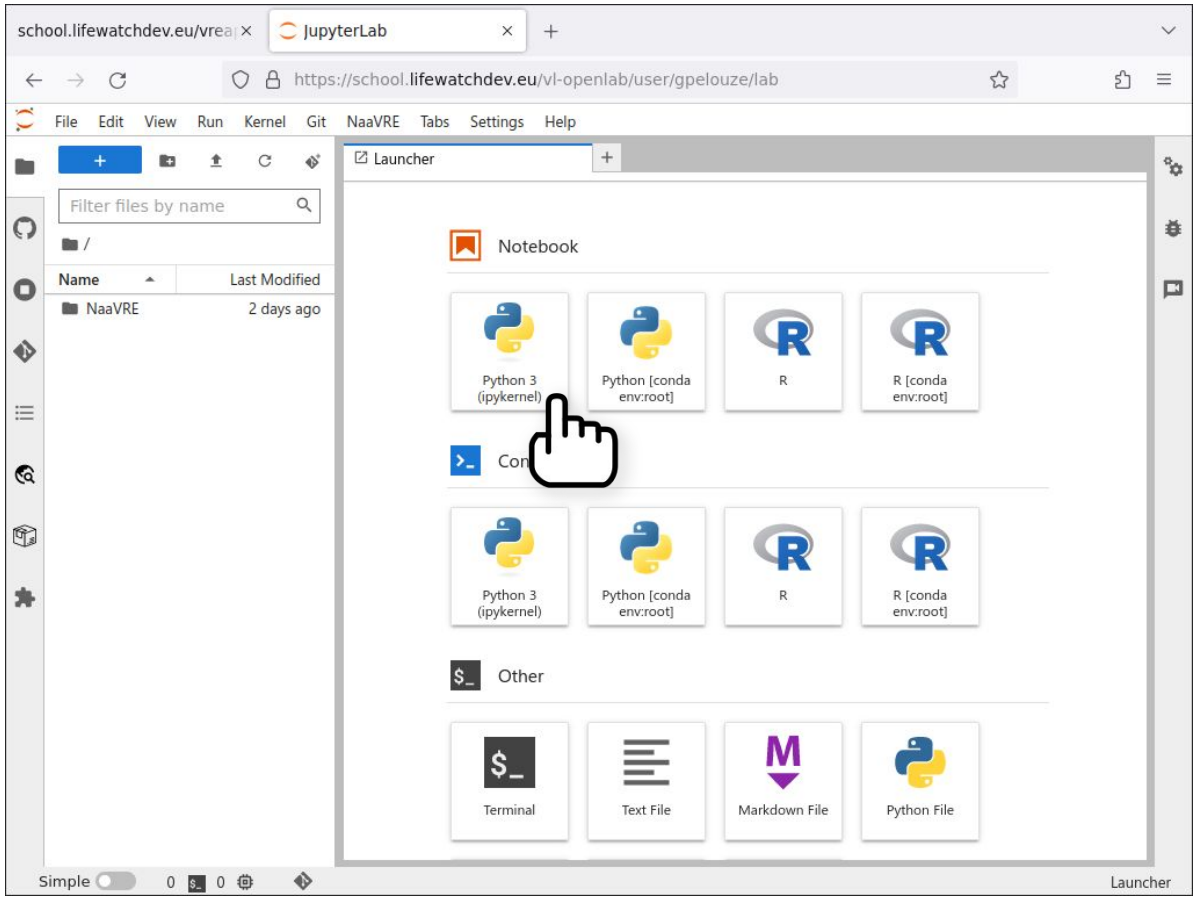


The NaaVRE interface



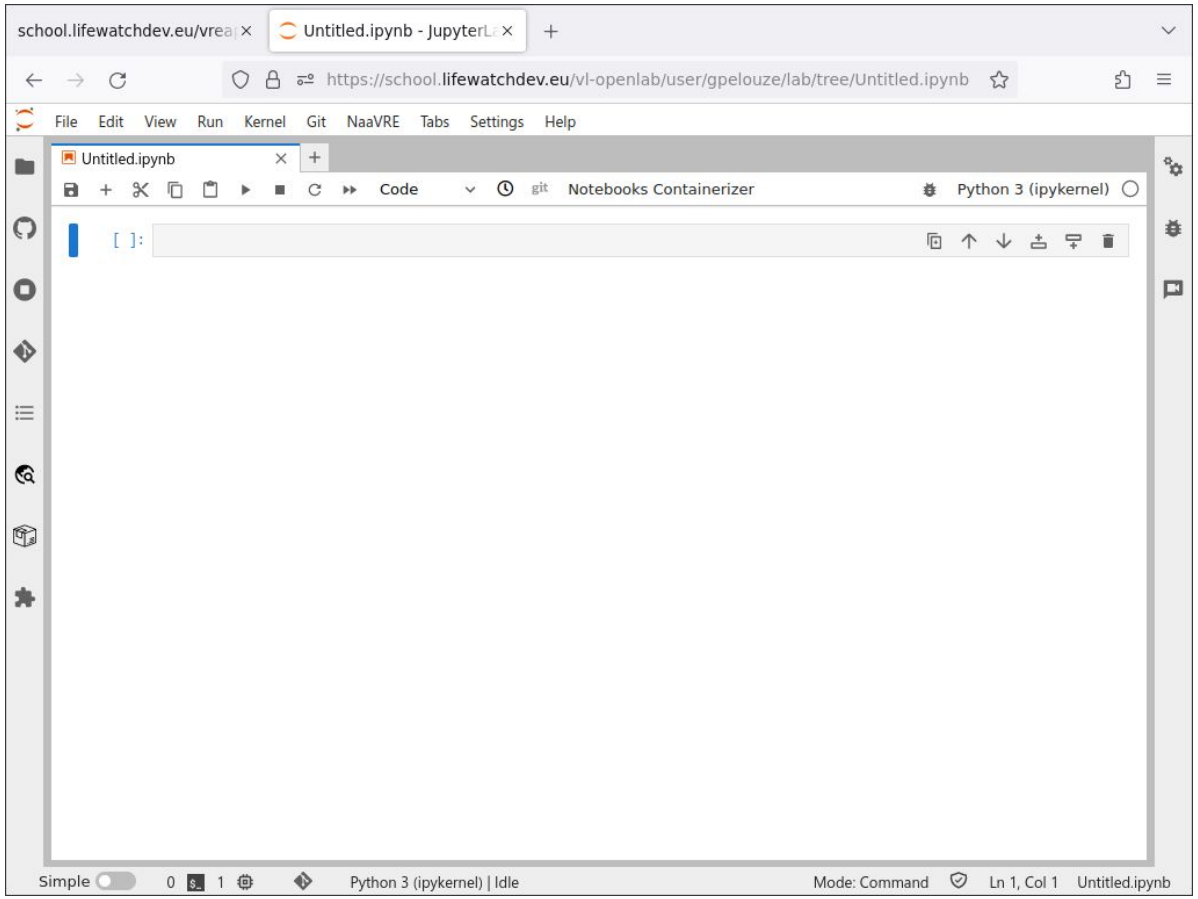
Create a notebook

1. Create a new notebook



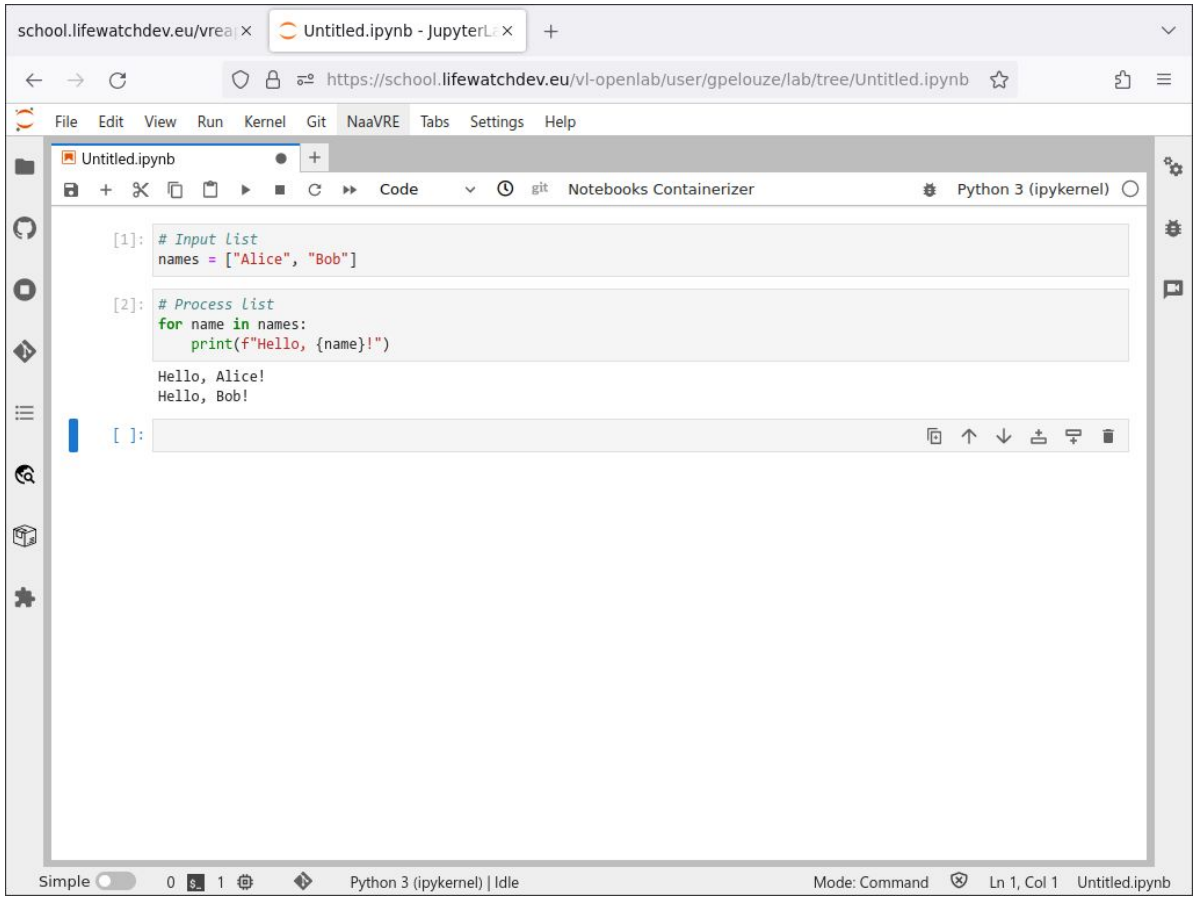
Create a notebook

1. Create a new notebook



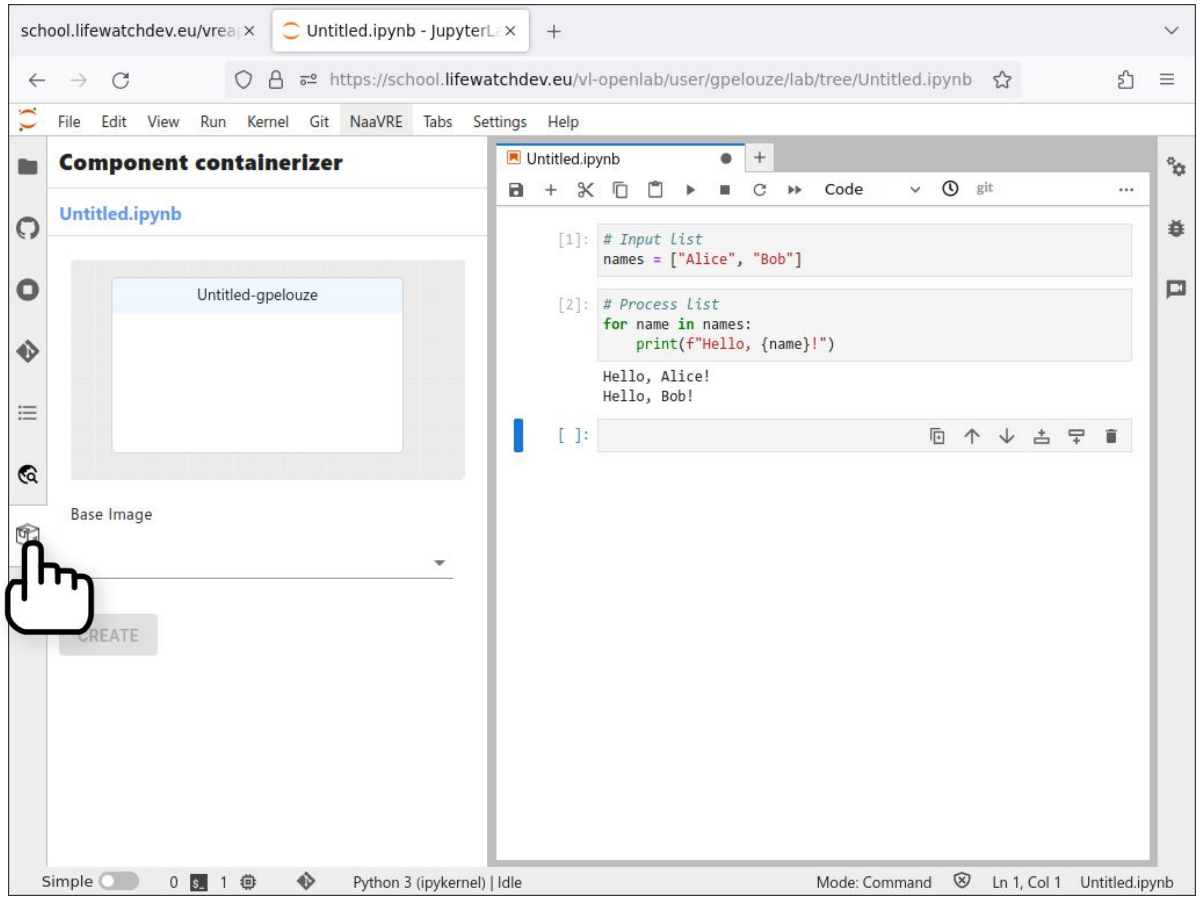
Create a notebook

1. Create a new notebook
2. Write some code



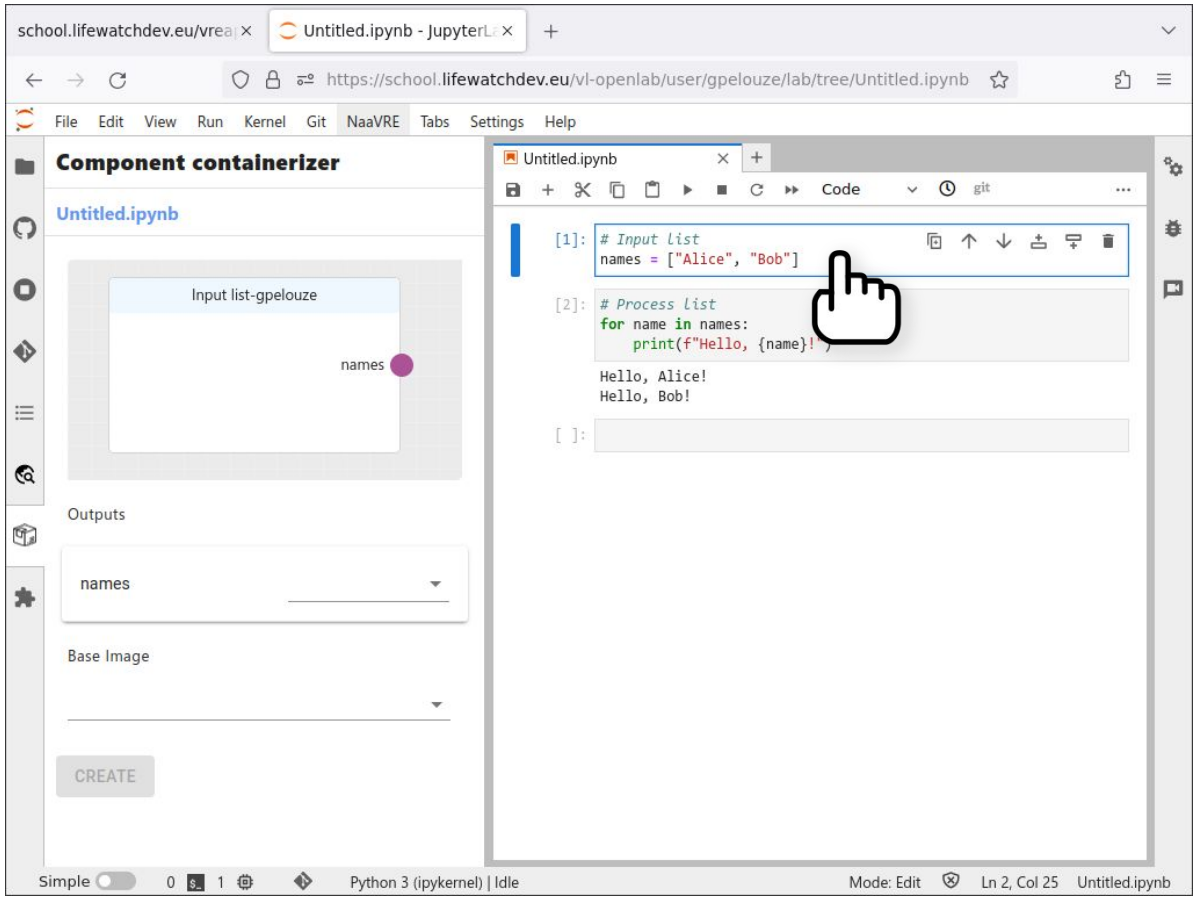
Containerize the cells

1. Create a new notebook
2. Write some code
3. Containerize the cells
   a. open the component containerizer



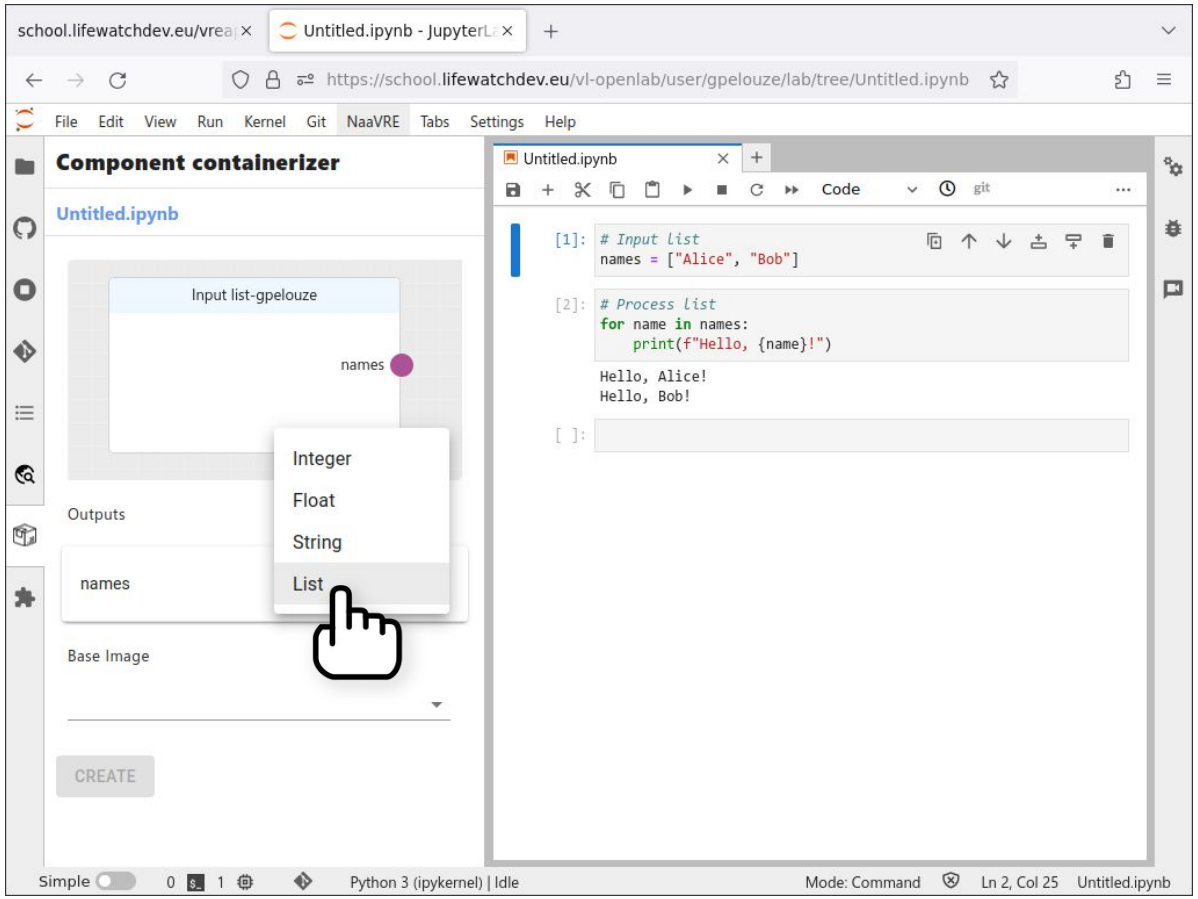
Containerize the cells

1. Create a new notebook
2. Write some code
3. Containerize the cells
   a. open the component containerizer
   b. select the cell you want to containerize



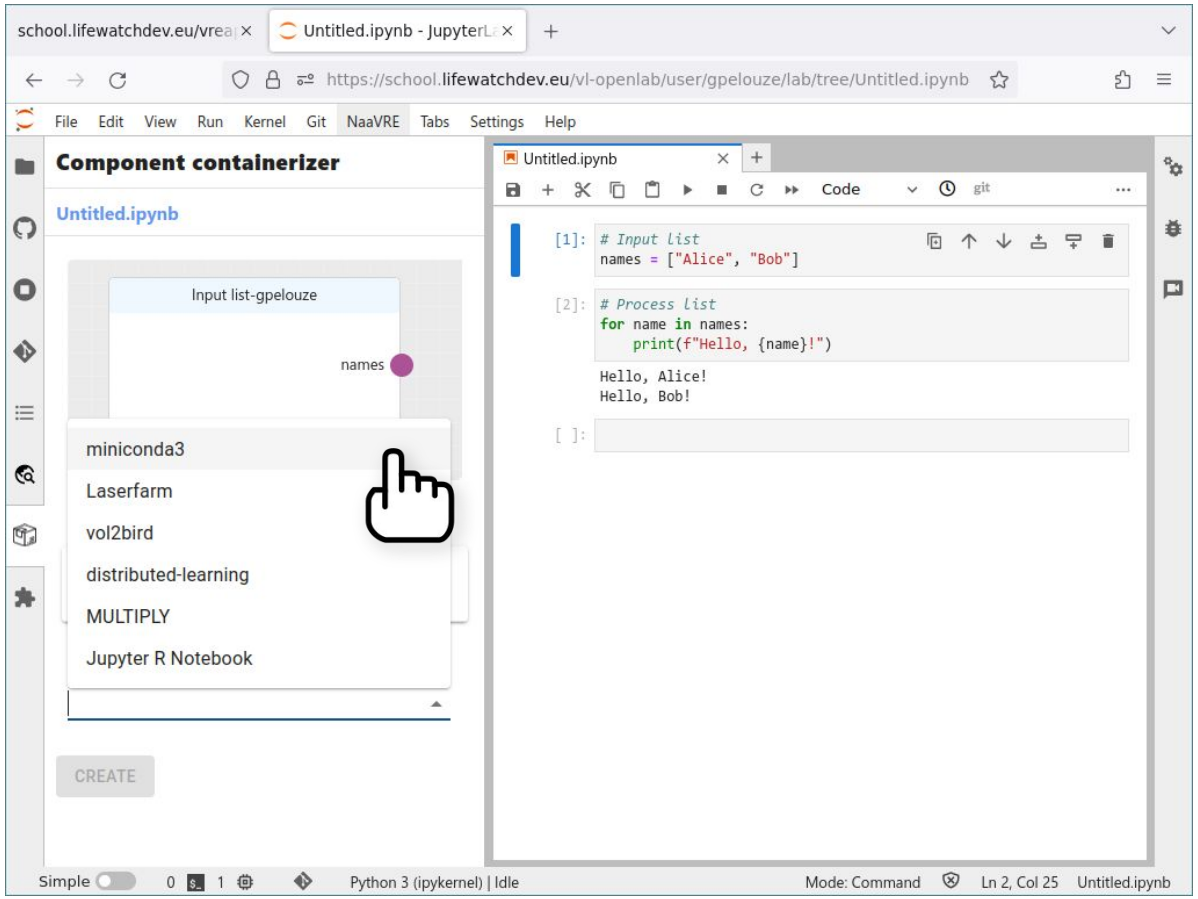
Containerize the cells

1. Create a new notebook
2. Write some code
3. Containerize the cells
   a. open the component containerizer
   b. select the cell you want to containerize
   c. set the variable types



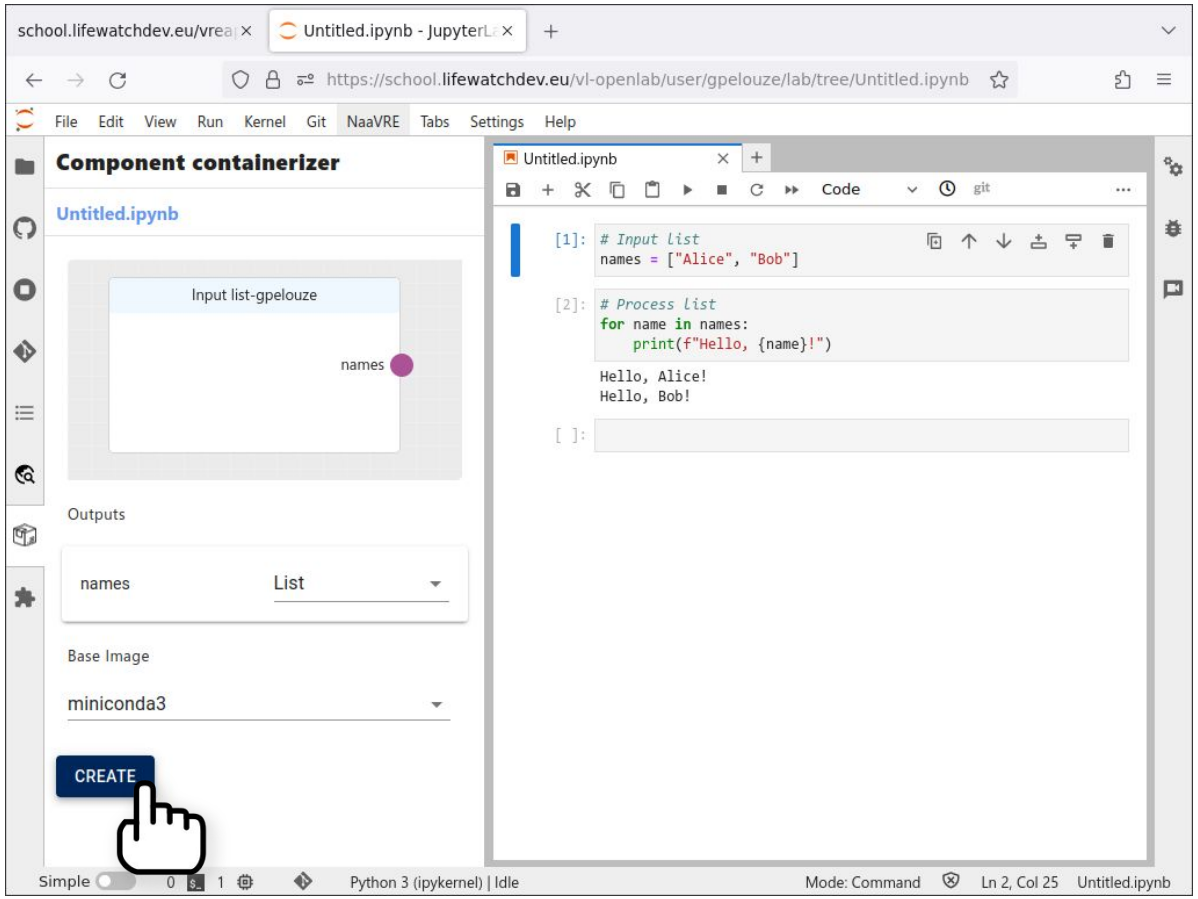
Containerize the cells

1. Create a new notebook
2. Write some code
3. Containerize the cells
   a. open the component containerizer
   b. select the cell you want to containerize
   c. set the variable types
   d. select the base image



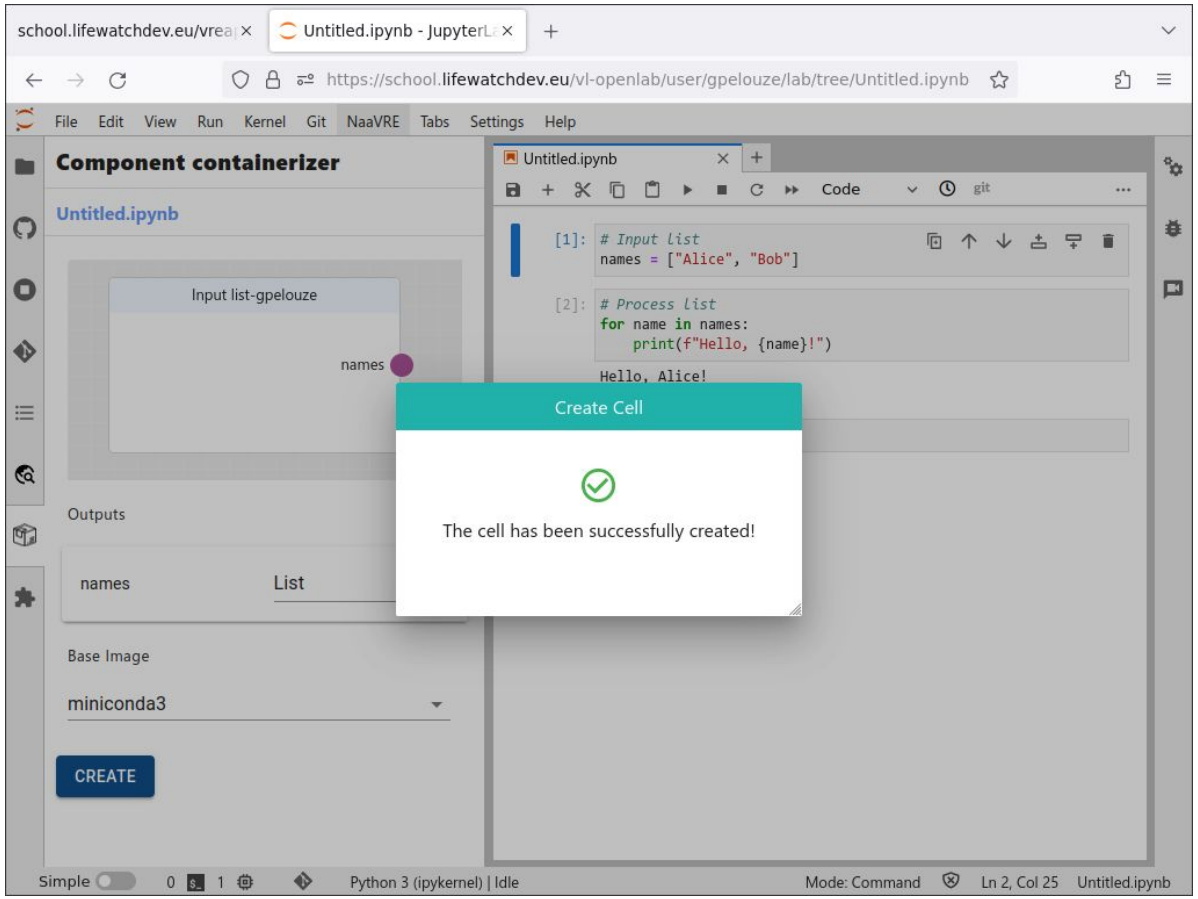
Containerize the cells

1. Create a new notebook
2. Write some code
3. Containerize the cells
   a. open the component containerizer
   b. select the cell you want to containerize
   c. set the variable types
   d. select the base image
   e. create the cell



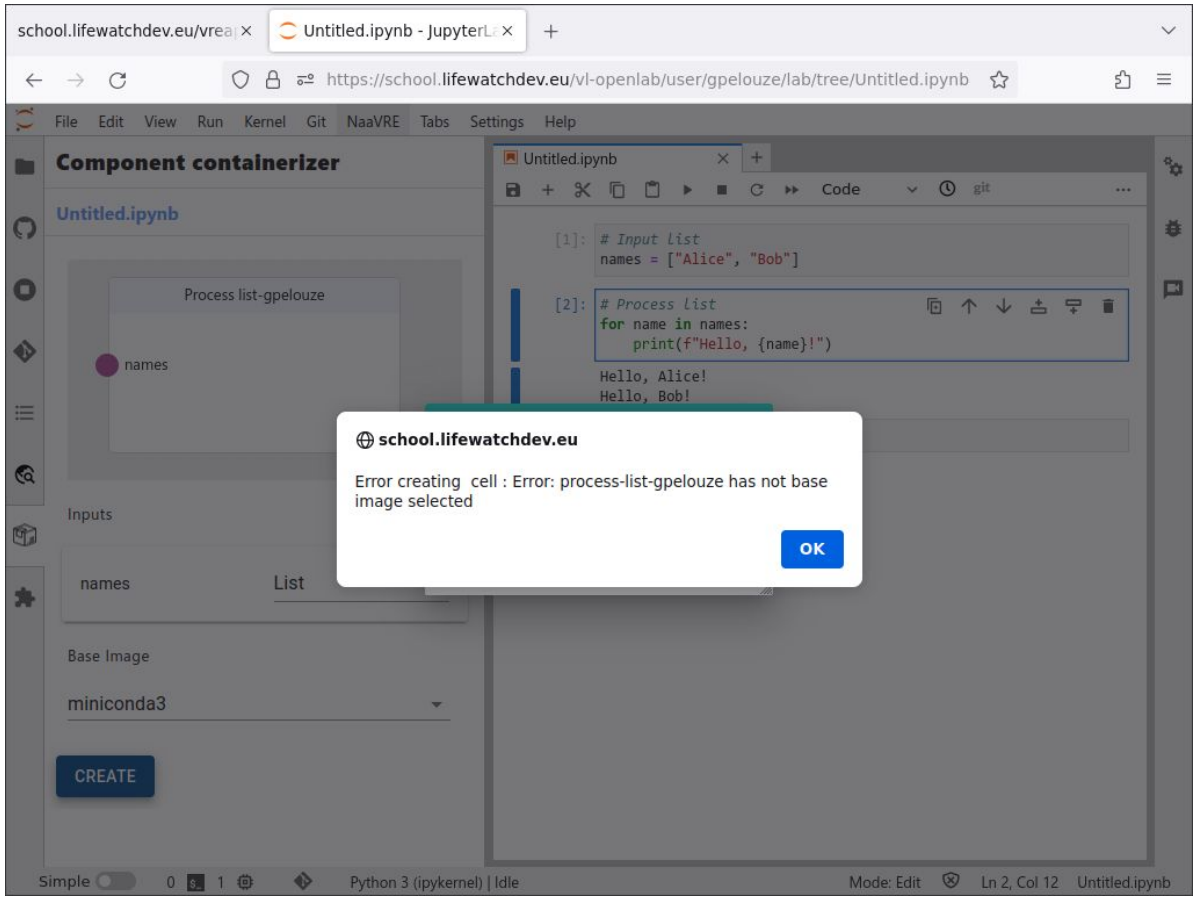
Containerize the cells

1. Create a new notebook
2. Write some code
3. Containerize the cells
   a. open the component containerizer
   b. select the cell you want to containerize
   c. set the variable types
   d. select the base image
   e. create the cell
   f. well done!
   g. repeat steps b–f for other cells



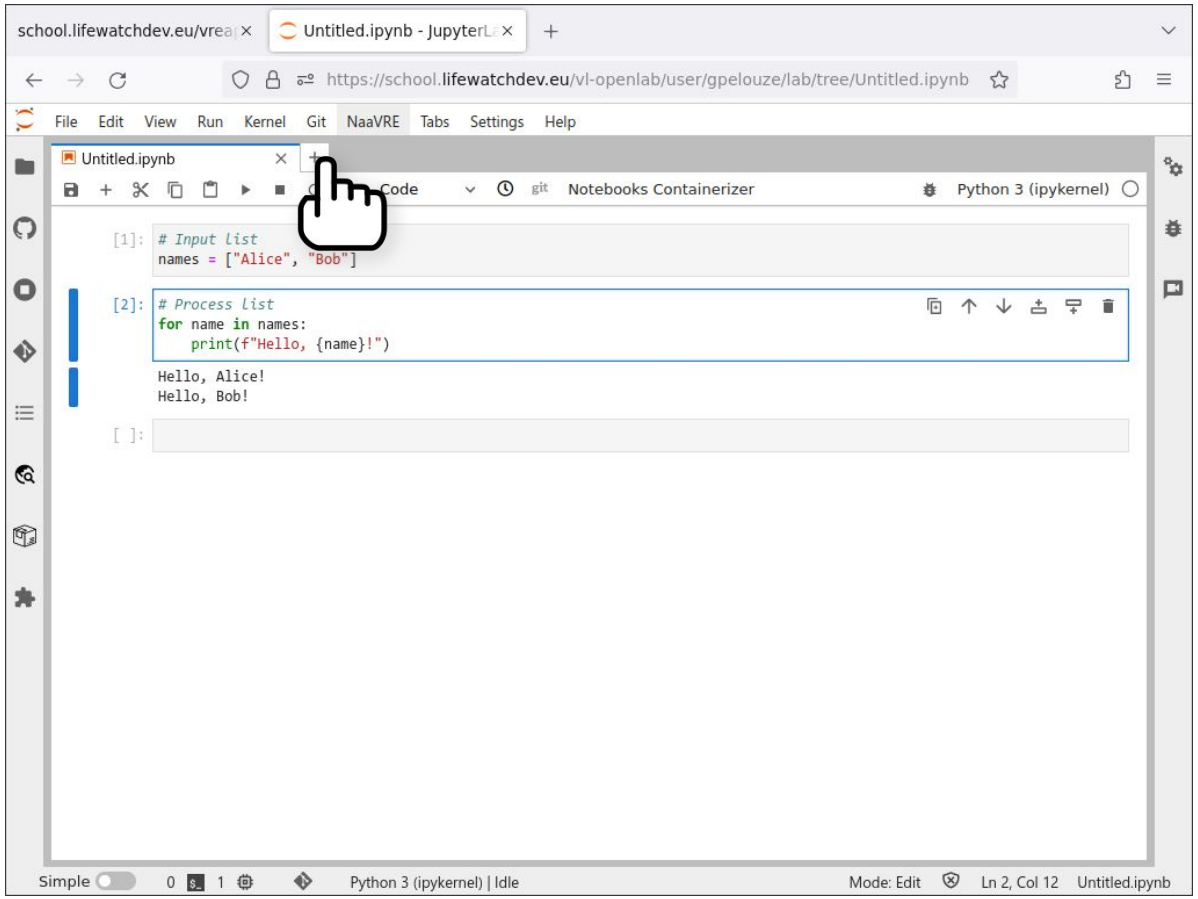
Containerize the cells (troubleshooting)

If you get the message “Error creating cell: no base image selected”, reset the base image by clicking on × and selecting it again from the list



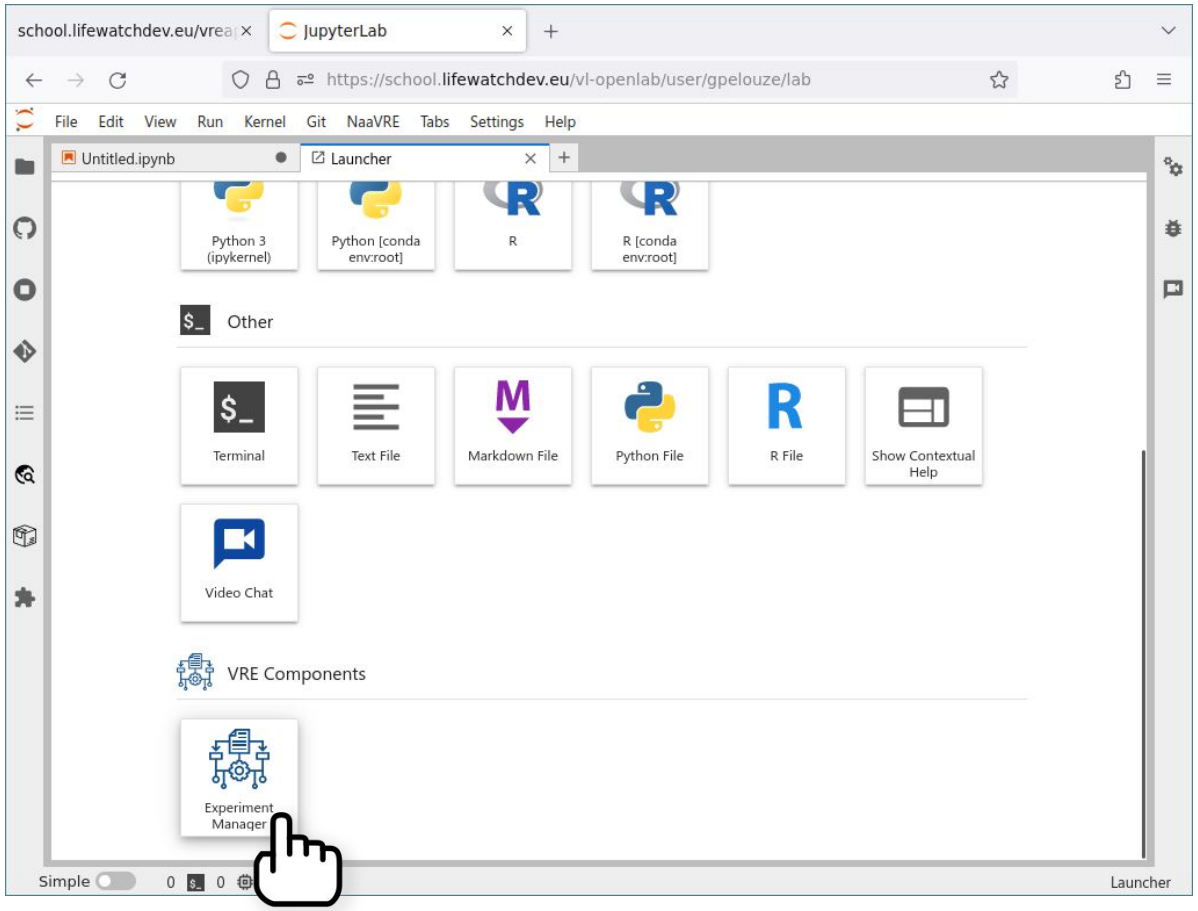
Create a workflow

1. Open the experiment manager



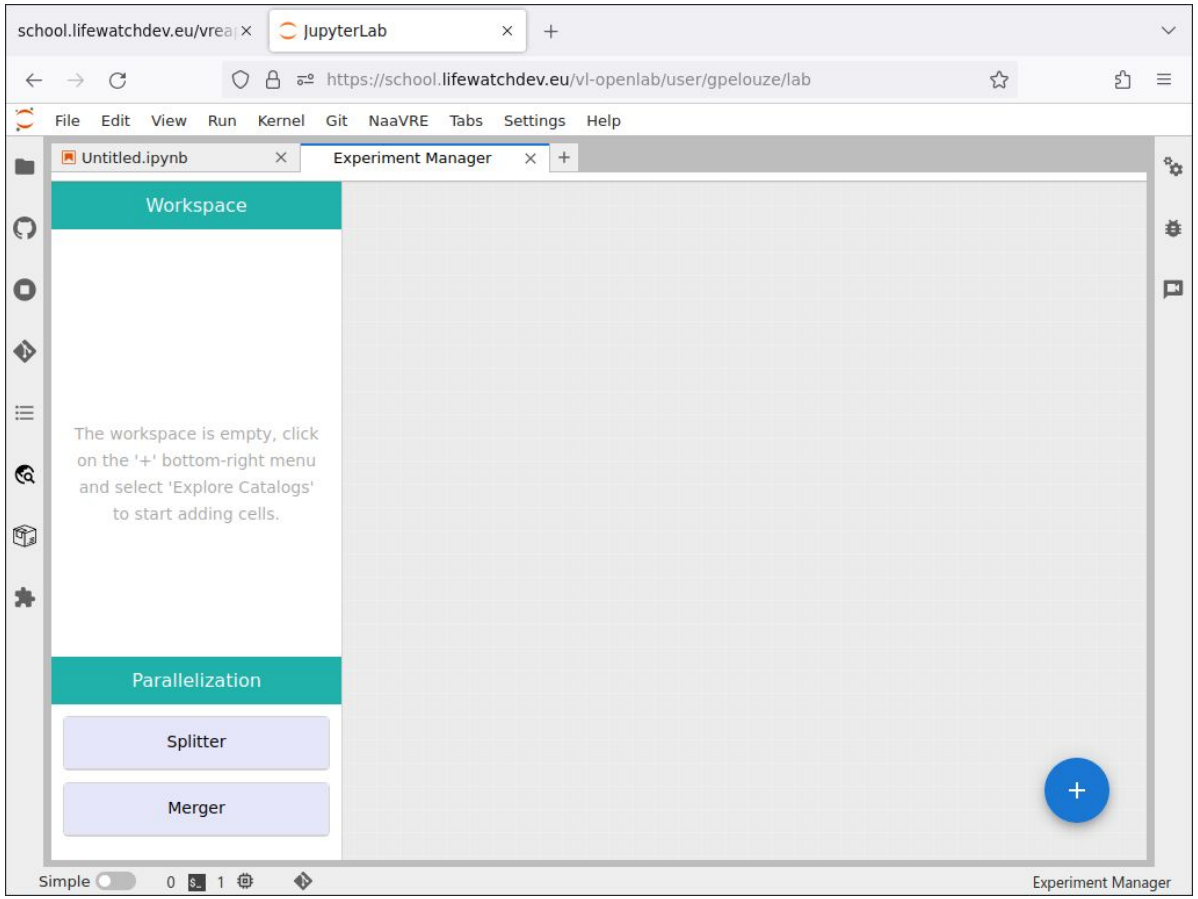
Create a workflow

1. Open the experiment manager



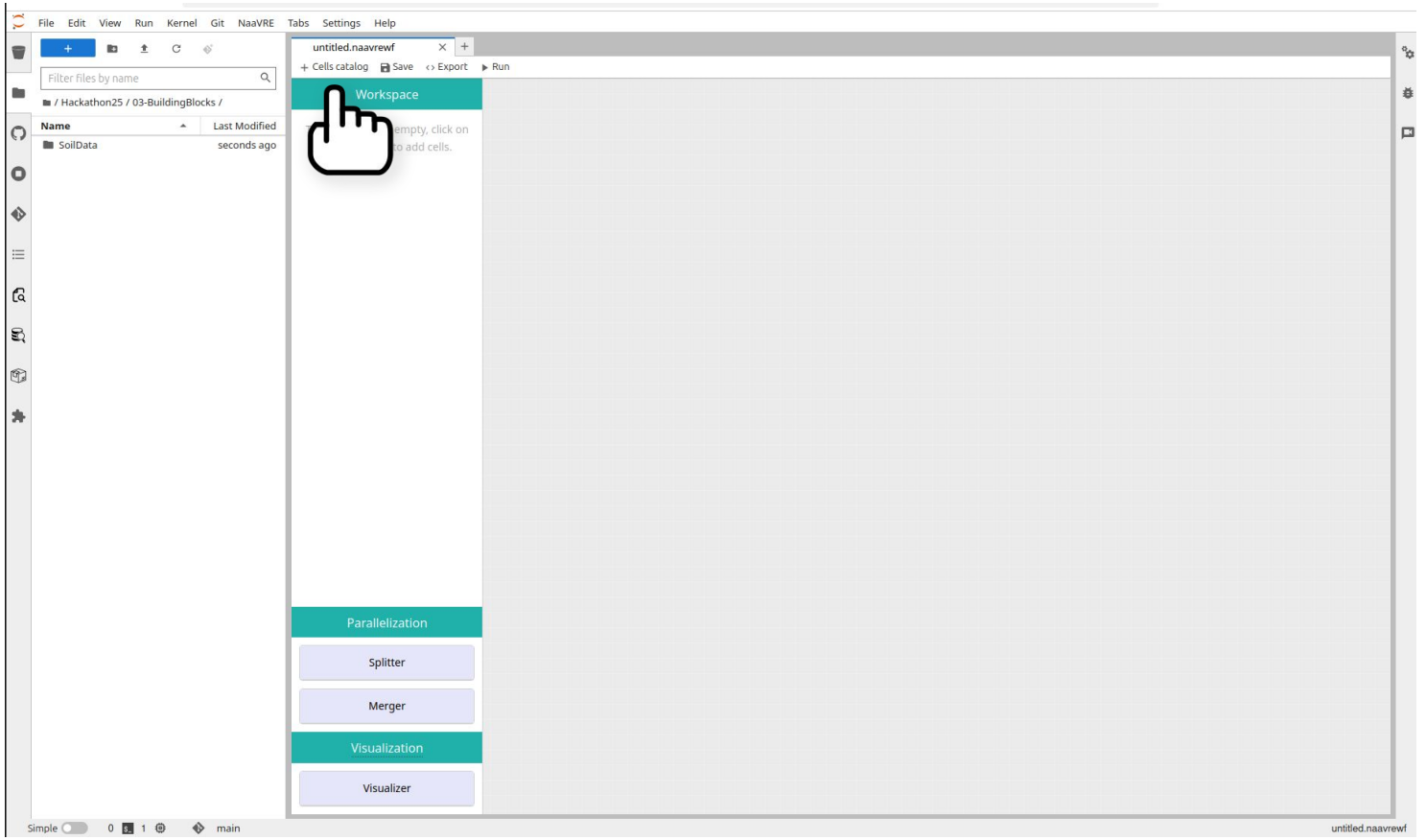
Create a workflow

1. Open the experiment manager



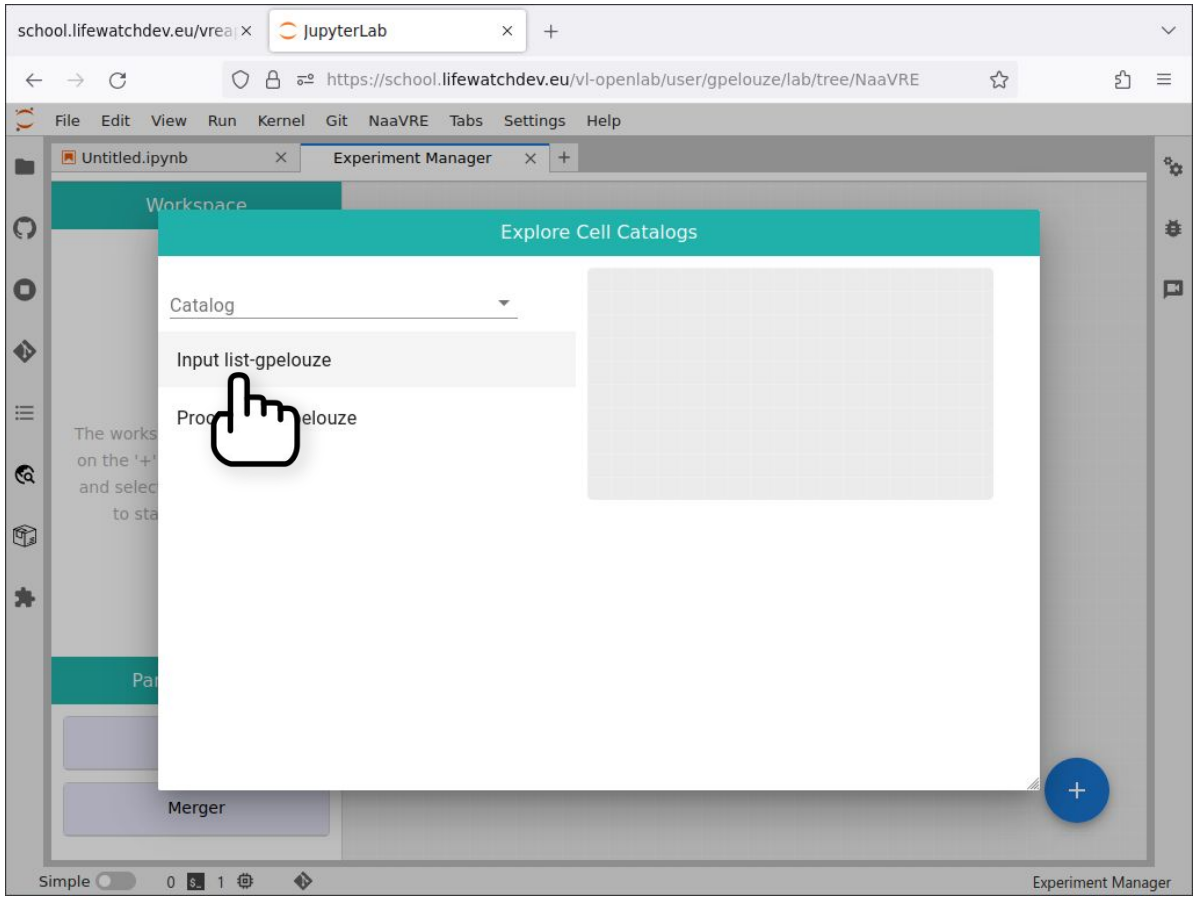
Create a workflow

1. Open the experiment manager
2. Add cells to the workspace
   a. open the Cells Catalogs



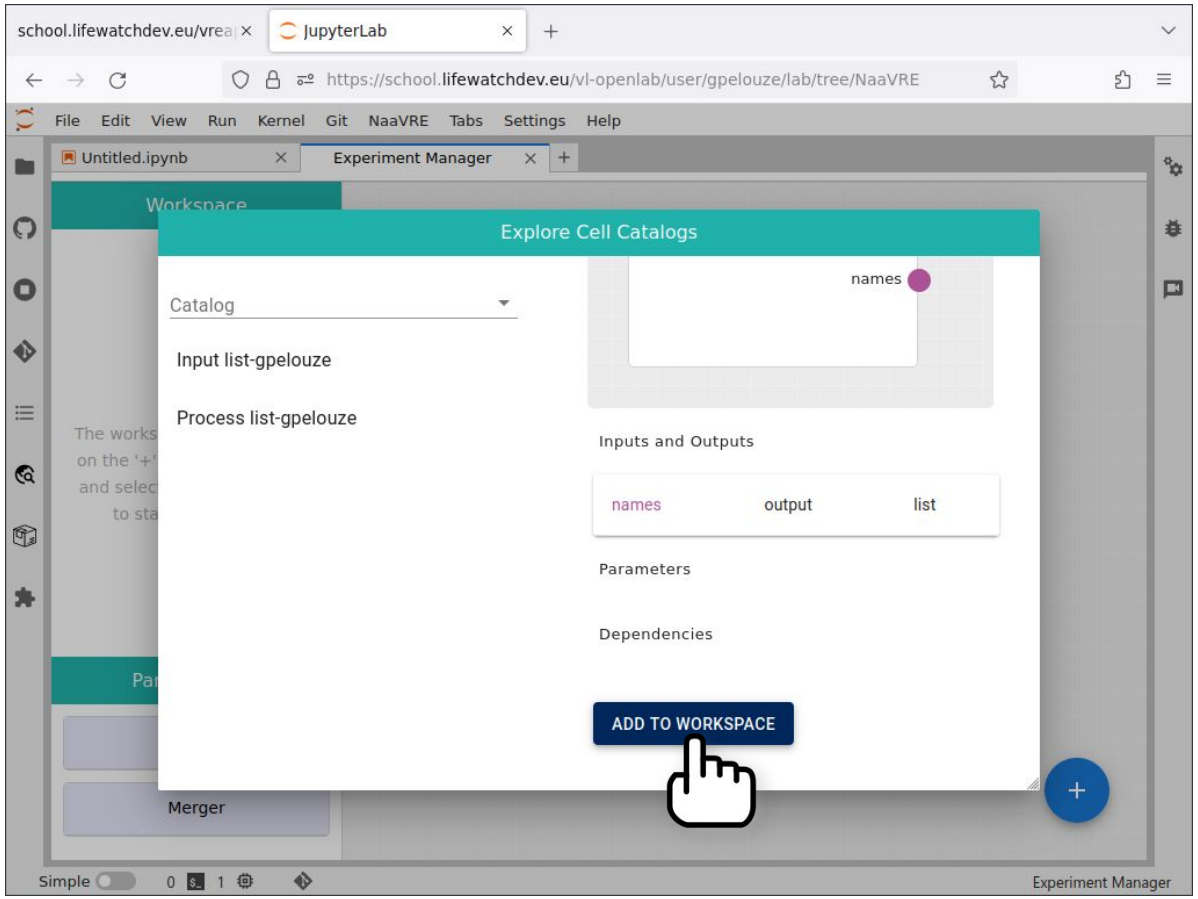
Create a workflow

1. Open the experiment manager
2. Add cells to the workspace
   a. open the Cells Catalogs
   b. select a cell



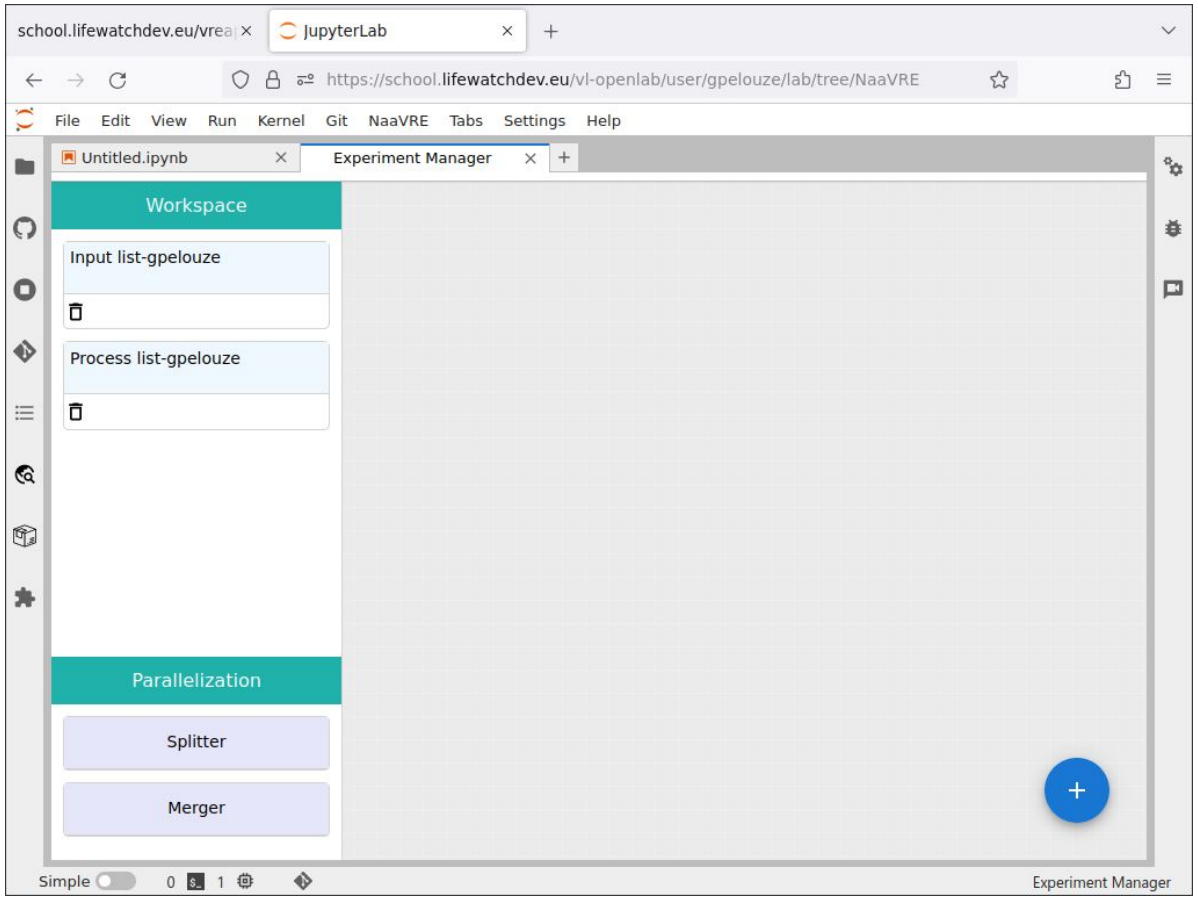
Create a workflow

1. Open the experiment manager
2. Add cells to the workspace
   a. open the Cells Catalogs
   b. select a cell
   c. click on “Add to workspace”



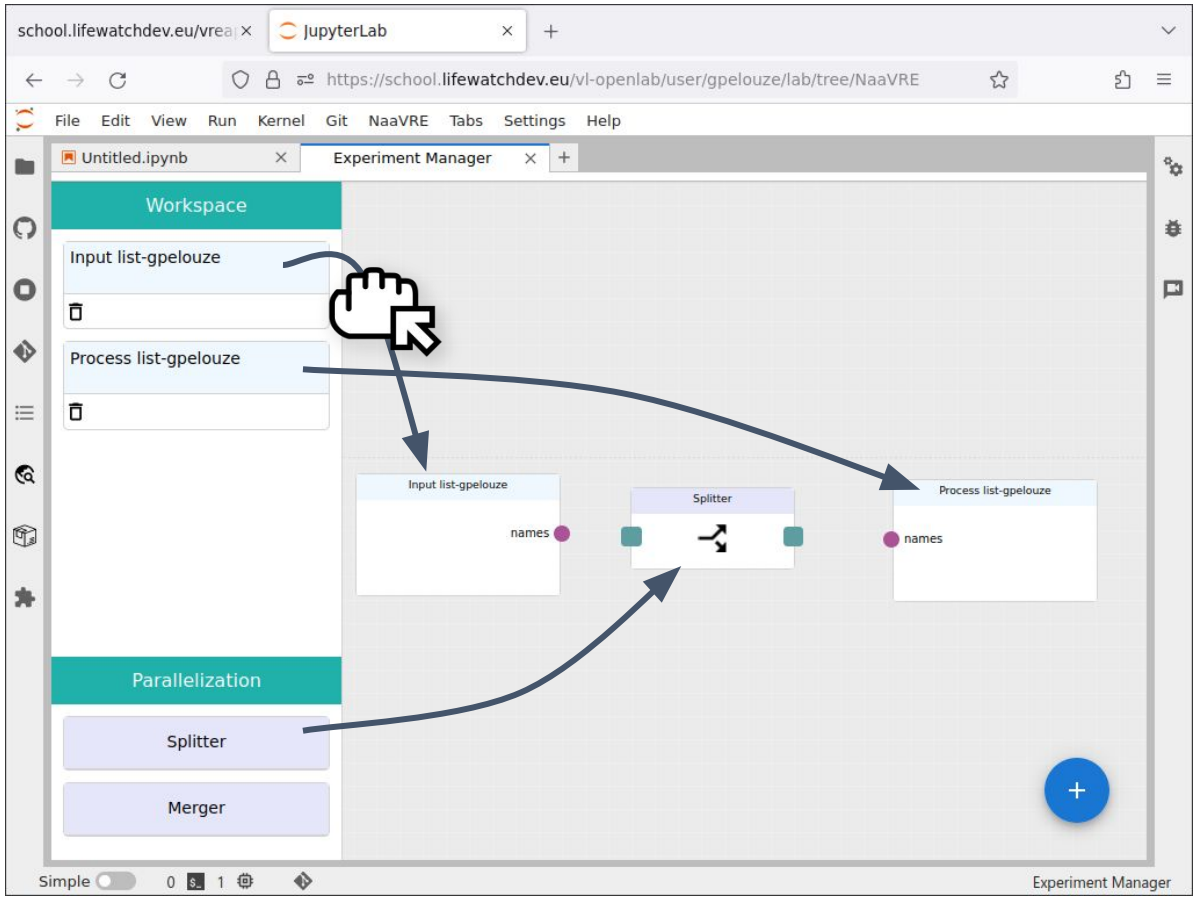
Create a workflow

1. Open the experiment manager
2. Add cells to the workspace
   a. open the Cells Catalogs
   b. select a cell
   c. click on “Add to workspace”
   d. repeat b–c for other cells



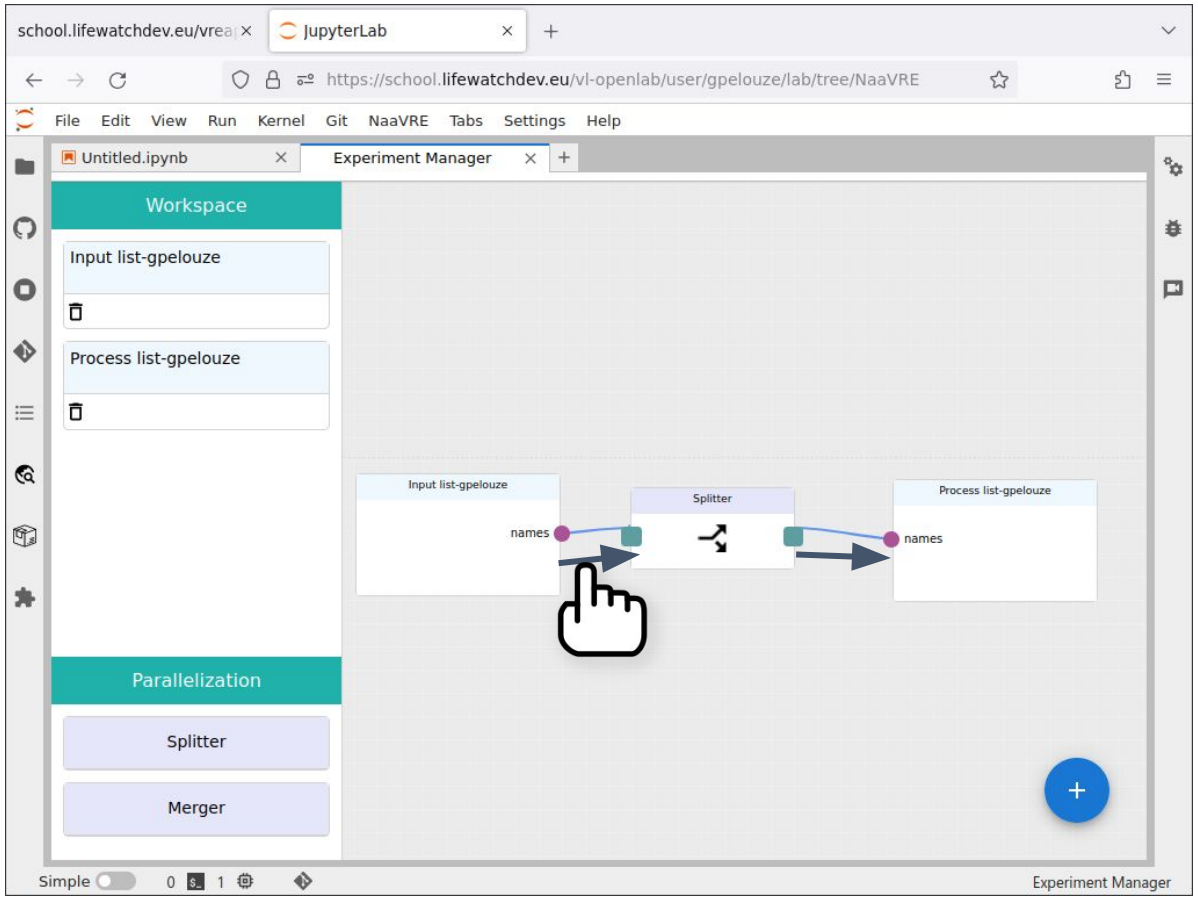
Create a workflow

1. Open the experiment manager
2. Add cells to the workspace
   a. open the Cells Catalogs
   b. select a cell
   c. click on “Add to workspace”
   d. repeat b–c for other cells
3. Drag and drop the cells onto the canvas



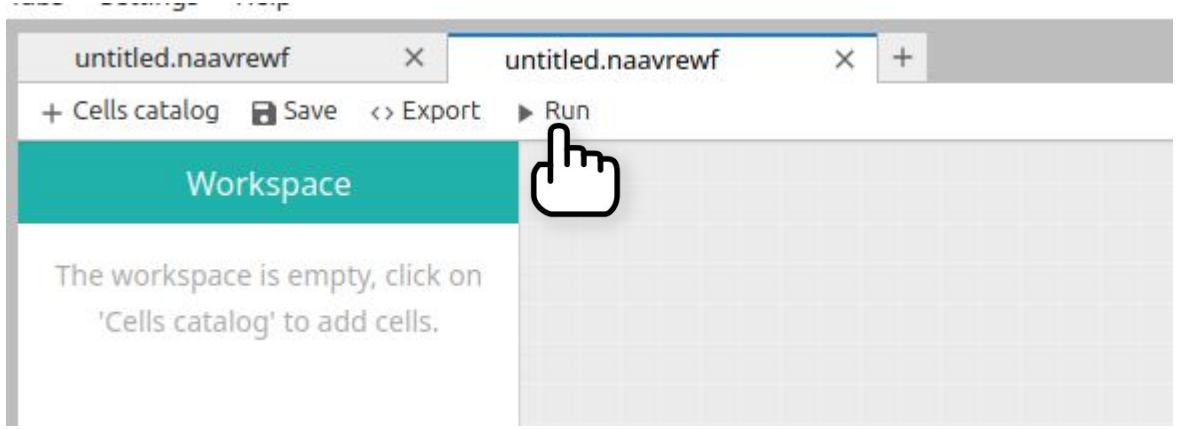
Create a workflow

1. Open the experiment manager
2. Add cells to the workspace
   a. open the Cells Catalogs
   b. select a cell
   c. click on “Add to workspace”
   d. repeat b–c for other cells
3. Drag and drop the cells onto the canvas
4. Connect the cells



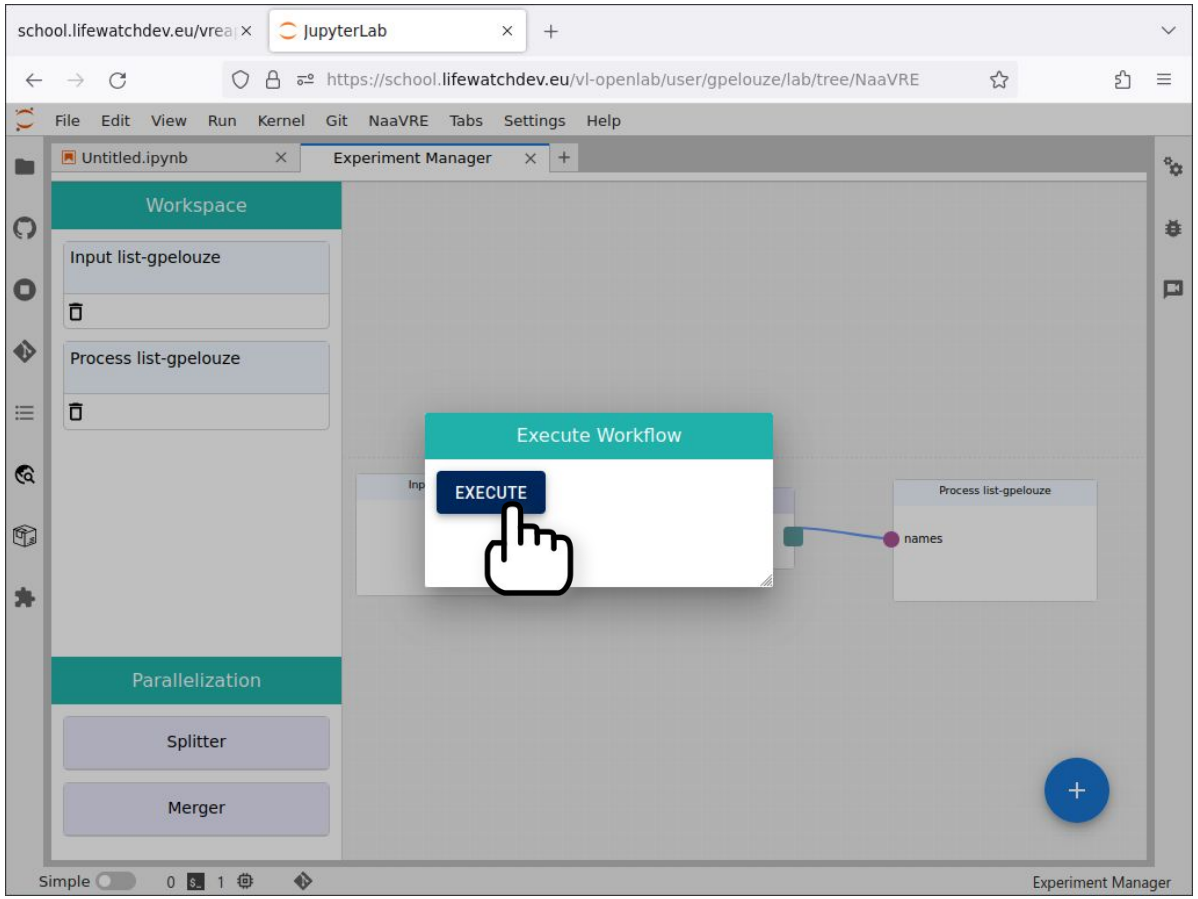
Create a workflow

1. Open the experiment manager
2. Add cells to the workspace
   a. open the Cells Catalogs
   b. select a cell
   c. click on “Add to workspace”
   d. repeat b–c for other cells
3. Drag and drop the cells onto the canvas
4. Connect the cells
5. Execute the workflow



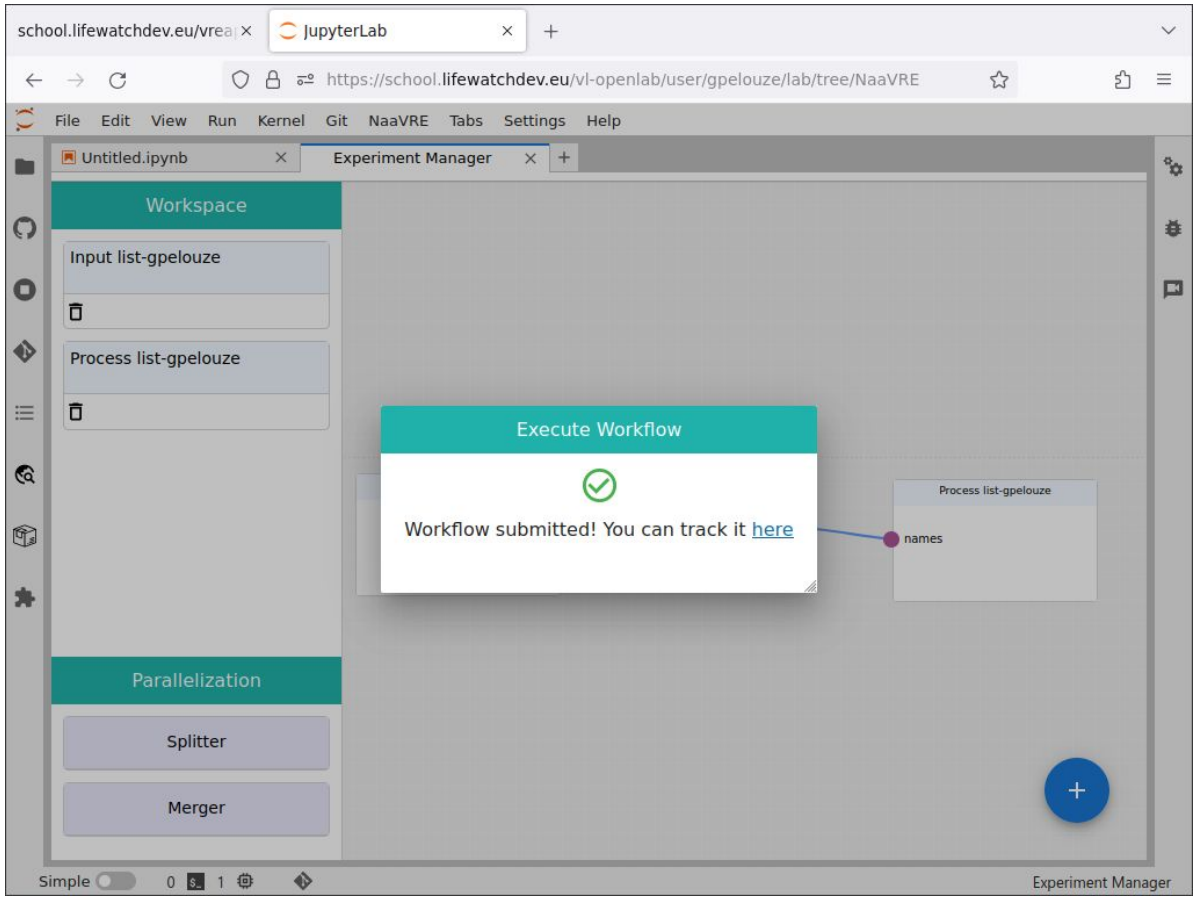
Create a workflow

1. Open the experiment manager
2. Add cells to the workspace
   a. open the Cells Catalogs
   b. select a cell
   c. click on “Add to workspace”
   d. repeat b–c for other cells
3. Drag and drop the cells onto the canvas
4. Connect the cells
5. Execute the workflow



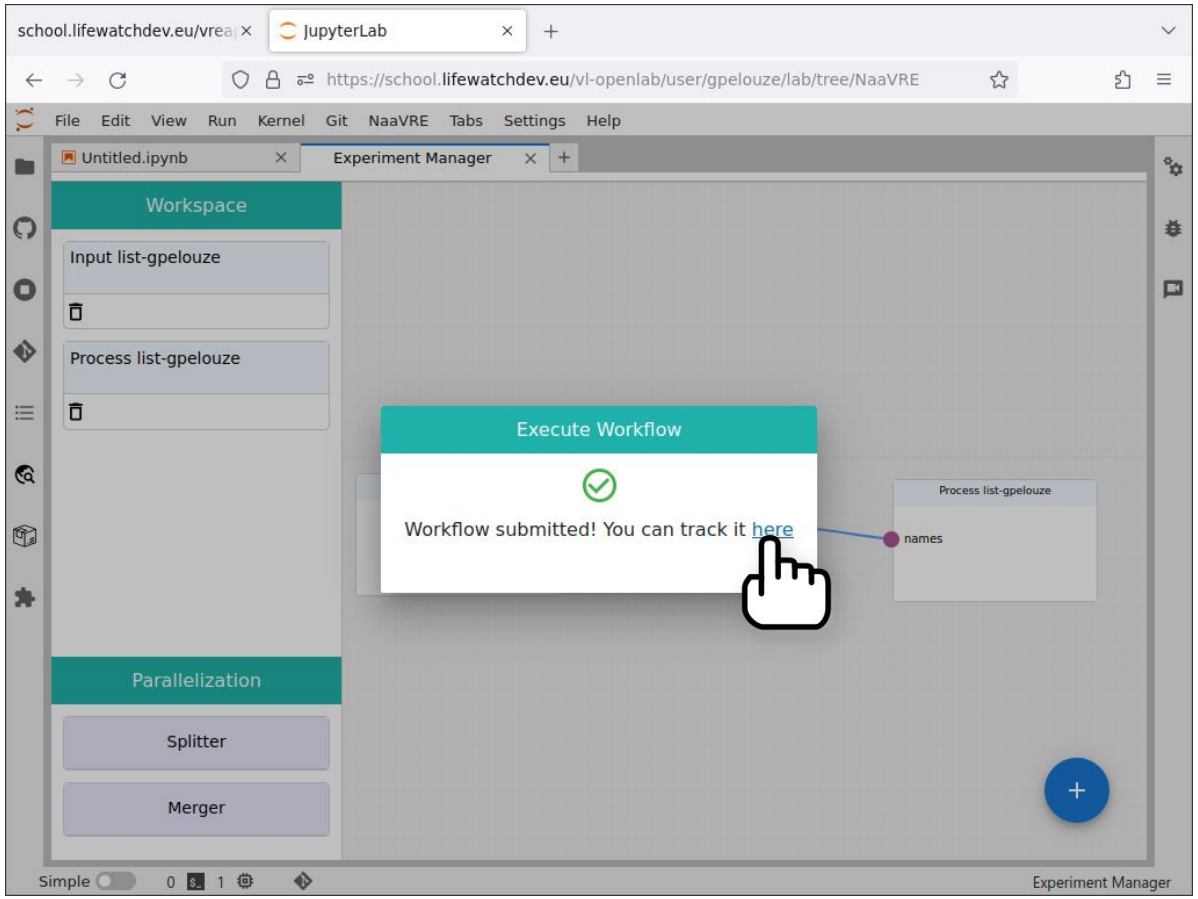
Create a workflow

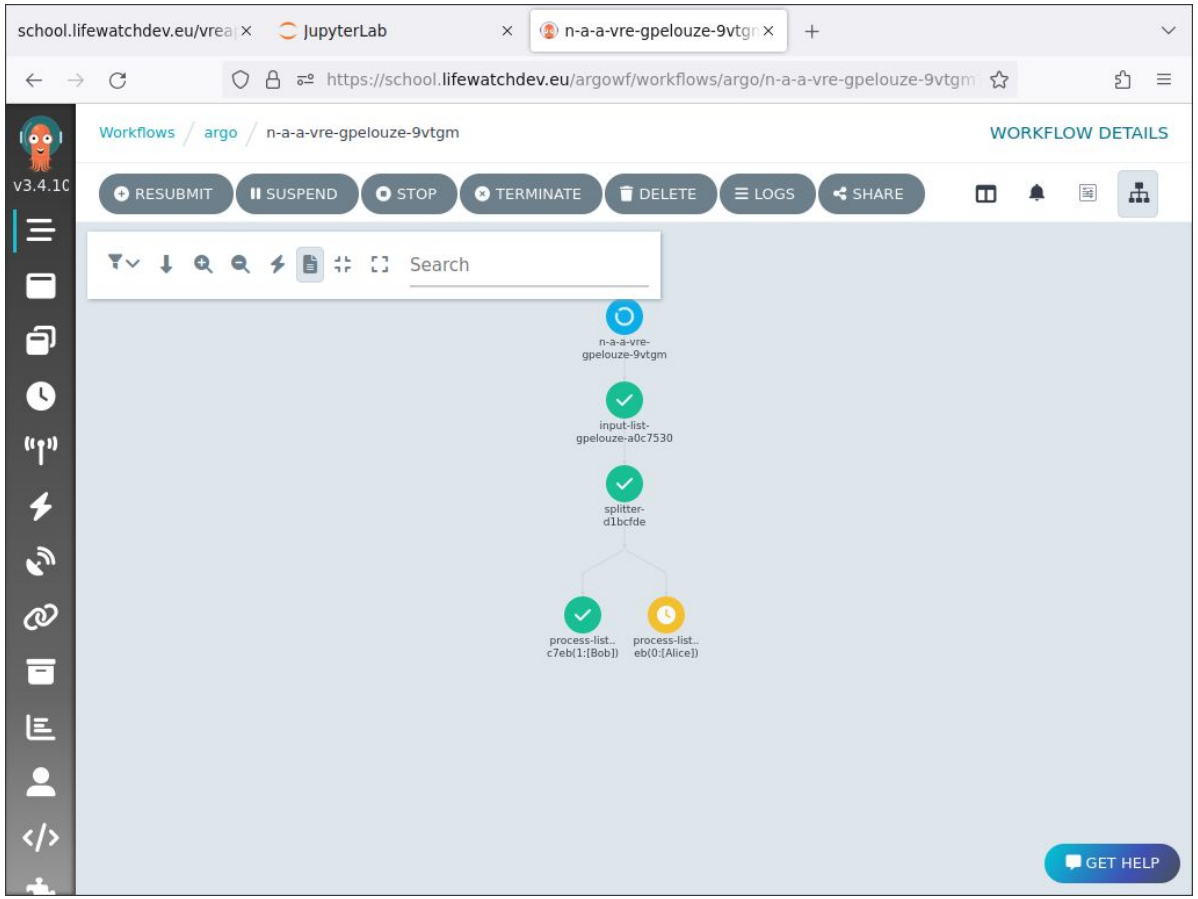
1. Open the experiment manager
2. Add cells to the workspace
   a. open the Cells Catalogs
   b. select a cell
   c. click on “Add to workspace”
   d. repeat b–c for other cells
3. Drag and drop the cells onto the canvas
4. Connect the cells
5. Execute the workflow
6. Well done!



Create a workflow

1. Click on the link to open the workflow manager, argo
2. If needed, log in to argo



Create a workflow

1. Click on the link to open the workflow manager, argo
2. If needed, log in to argo
3. Check your workflow status