

👋 Welcome!

Contributing to EDITO Datalab

Learn how to contribute your knowledge to **DTO Tutorials** .

📄 Tutorials

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What We'll Go Over

- ✓ How to become a contributor to EDITO tutorials
- ✓ Create a shareable tutorial
- ✓ Share it publicly via **GitHub**
- ✓ Launch it on **EDITO Datalab**
- ✓ Register it using `tutorials.json`
- ✓ Submit a **merge request**

All this is also covered in [EDITO Datalab Documentation](#).



Get an Account on EDITO

 Become a Beta Tester:

[Sign up here](#)

 Receive an Email:

You will receive an email from the developer team with further instructions.

 Sign up to Mercator Ocean GitLab:

[Create your account](#)



Contribute to the Tutorials Content Repository

🔗 Access Repositories:

Once your account is created, you will be added as a developer to the following repositories:

- Service Playground Repository
- Process Playground Repository
- Tutorial Content Repository



🧱 I have a new tool/script to share

✅ For example, I've written a tutorial in `.Rmd` :

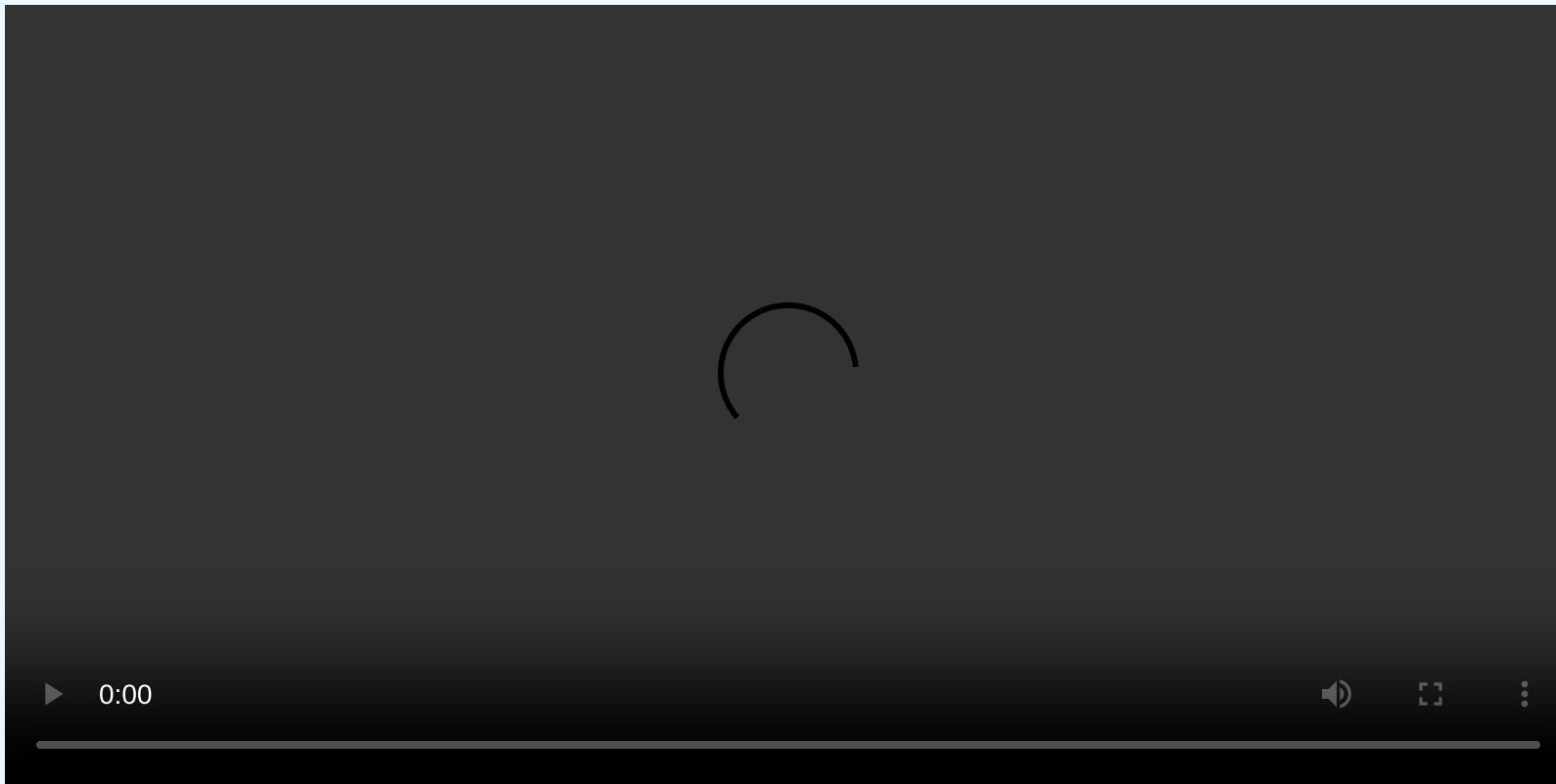
- It explains how to use a tool or perform a task
- Includes **Markdown** text and **R code chunks**
- Shows plots, tables, or results inline
- Has some interactivity/user interaction



🧱 Example: Tutorial Accessing EDITO STAC

demo_stac_query.Rmd

🎬 Making Tutorial in .Rmd



Recommended Folder Structure

Organize your files like this:

- Include a good

```
stac-r-tutorial/  
├── stac-r-tutorial.Rmd  
├── data/  
└── README.md
```



Create a Repository on your GitHub

- Go to github.com
- Click **New repository**
- Set it to **Public**

A demonstration on YouTube

Creating Your First GitHub Repository and Pushing Code [Youtube](#)





Push Your Local Code to Your Github

```
# Initialize Git in your local directory (if not already initialized)
git init
# Add all files to the staging area
git add .
git config user.name username
git config user.email usermail@mail.com
# Commit the changes
git commit -m "Initial commit"
# Add the remote origin
git remote add origin https://github.com/username/stac-r-tutorial.git
# Push the changes to GitHub
git branch -M main
git push -u origin main
```



Creating Your First GitHub Repository and Pushing Code [Youtube](#)

⚙️ Make your deployment URL

EDITO Services

1. Access the Service Configuration

- Choose a service from the Service Catalog appropriate for your Tutorial
- ex. R Studio, Jupyter-python

2. Add Your GitHub Repository

- In the `GIT` section add the url to your tutorial's github repository in the Repository field

3. Set Resource Limits

- In the resources section, adjust CPU and memory limits as needed
- e.g., `1600m` for CPU, `5Gi` for memory



Save Configuration and Test your tutorial

4. Save the Configuration

- Click **Save** to store your settings.
- You will need this URL for the Deployment URL to add your tutorial later

5. Launch the Service

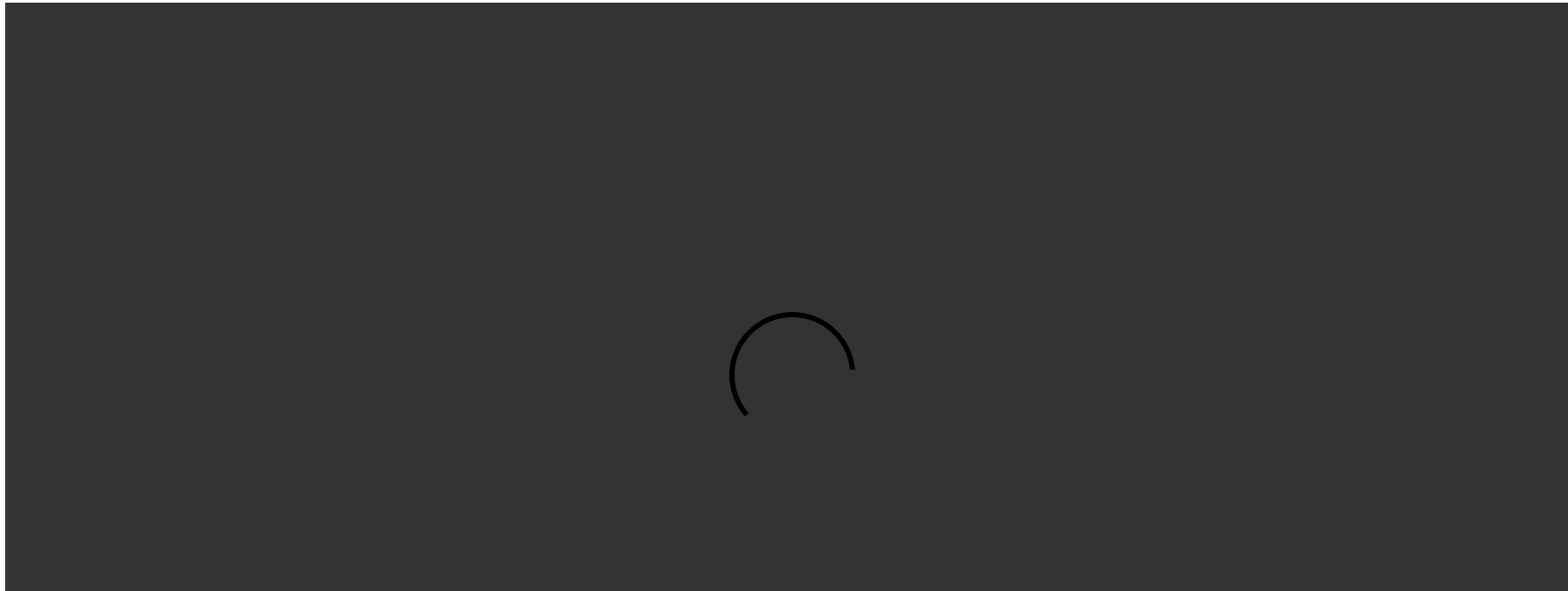
- Use the **Launch** button to start the service with your configuration.

6. Test Your Tutorial

- Verify that your tutorial runs as expected in the configured environment.



Configuring EDITO Service



Test My Tutorial Service

- 🚀 Ran Everything
- ✅ Checked Output
- ⚙️ Chosen Configuration Options:
 - 🔗 **Configuration Link:**
Allows users to configure how the service launches
 - 🚀 **Autolaunch Link:** Launches the configuration you save



Tutorials repository and the tutorials.json

In order to add our tutorial to the EDITO tutorials we need to add it to the `tutorials.json` list

<https://gitlab.mercator-ocean.fr/pub/edito-infra/edito-tutorials-content/tutorials.json>

We will clone this repository and add our tutorial to this list, using the the template provided in the README



Clone the Tutorials Repository to your Local PC

 **EDITO GitLab Tutorials:**

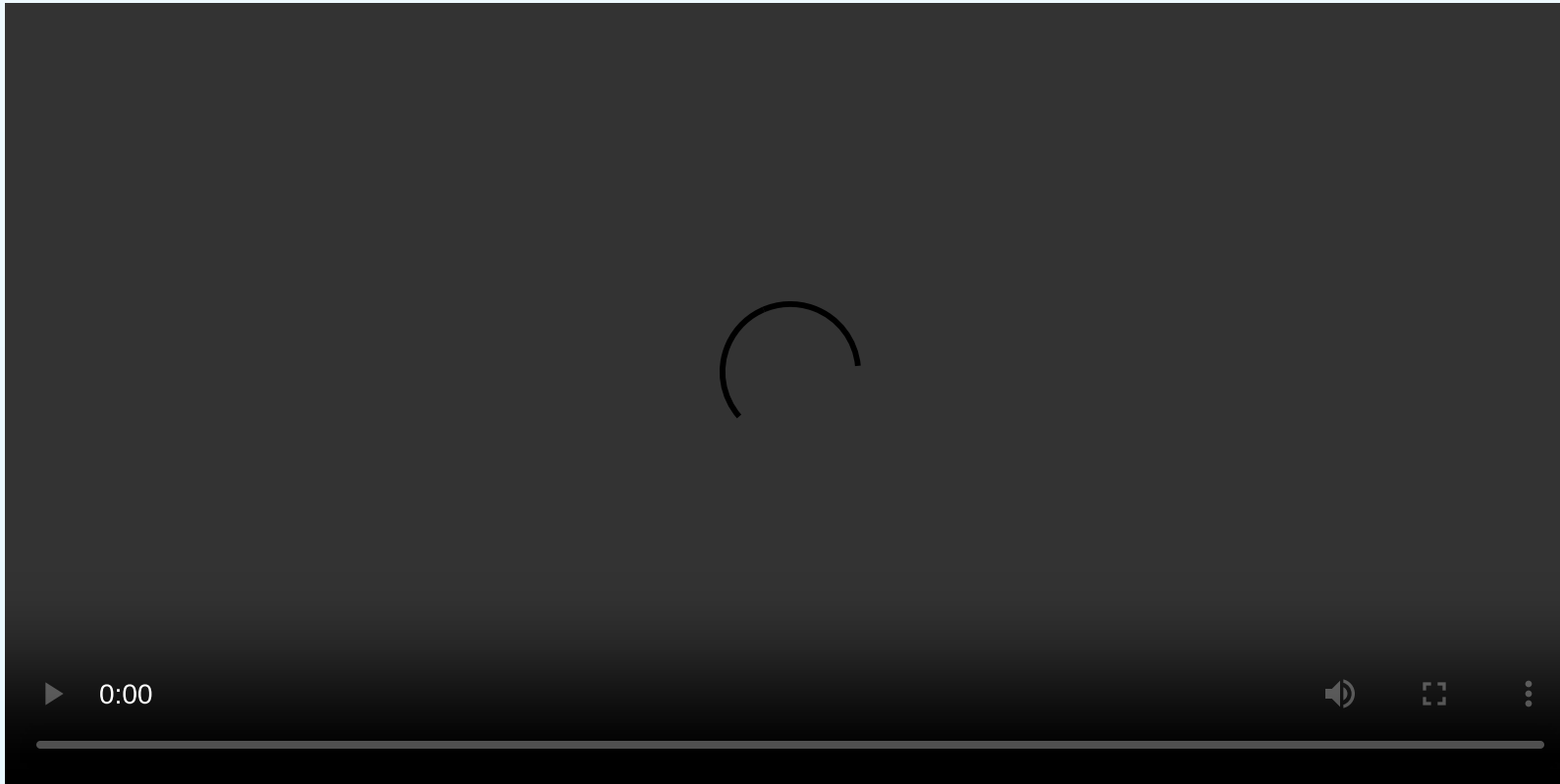
<https://gitlab.mercator-ocean.fr/pub/edito-infra/edito-tutorials-content>

 **Clone the Repo:**

```
git clone https://gitlab.mercator-ocean.fr/pub/edito-infra/edito-tutorials-content.git
```



Cloning EDITO Tutorials Content



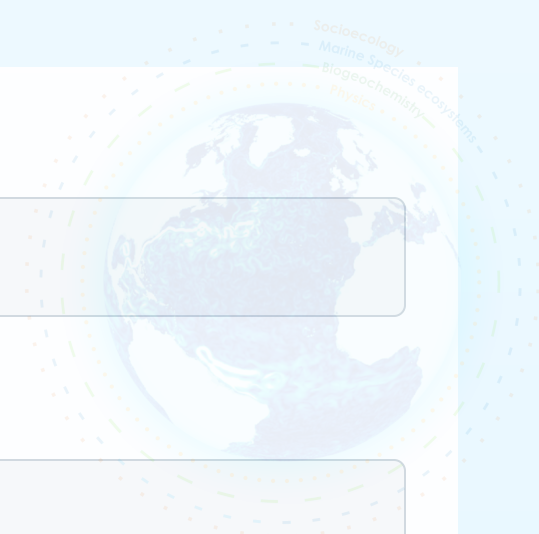
Make a new branch

 ****Create a New Branch**:**

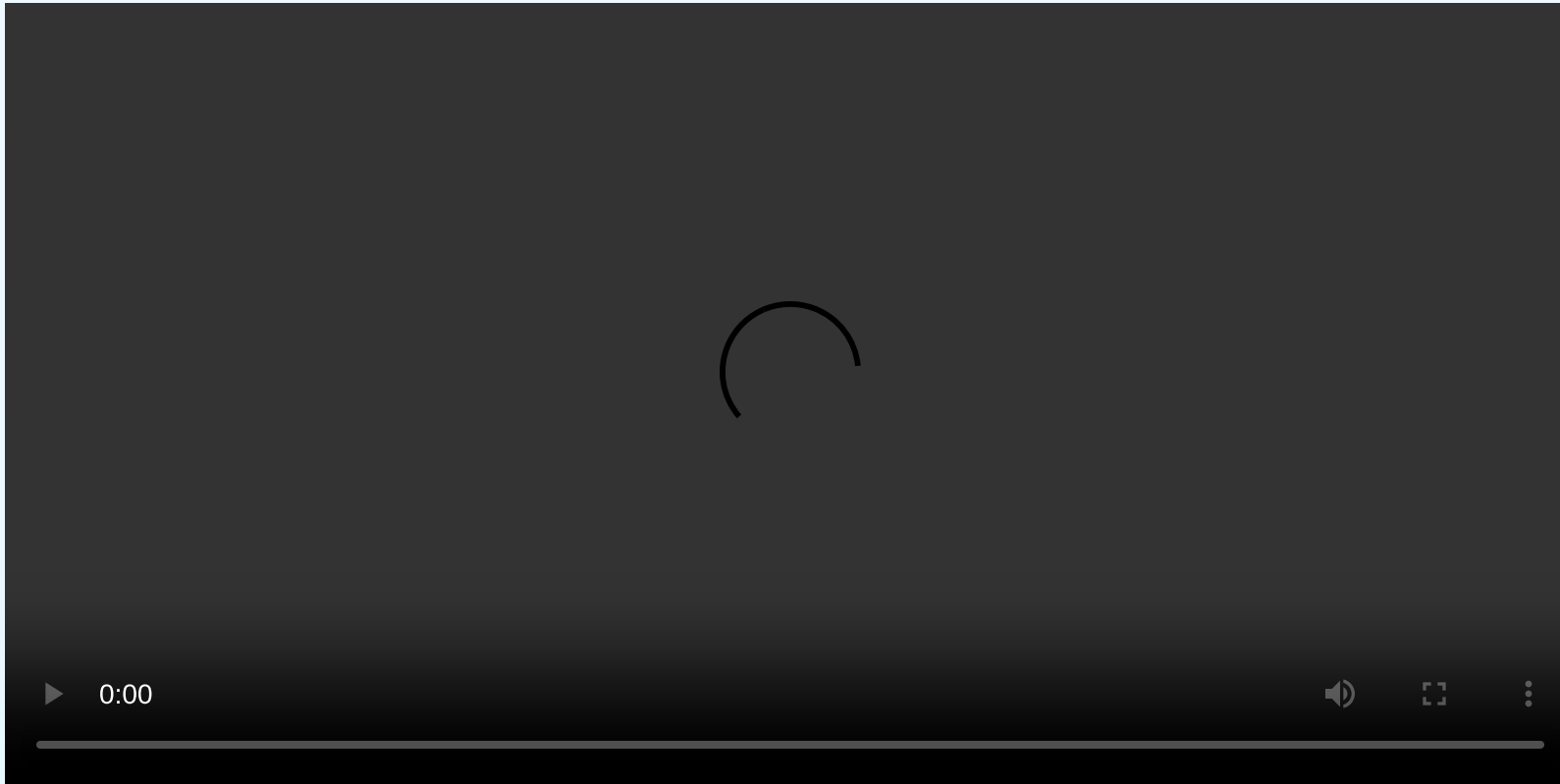
```
git checkout -b my-new-tutorial-branch
```

 **Push the New Branch:**

```
git push origin my-new-tutorial-branch
```



Make branch



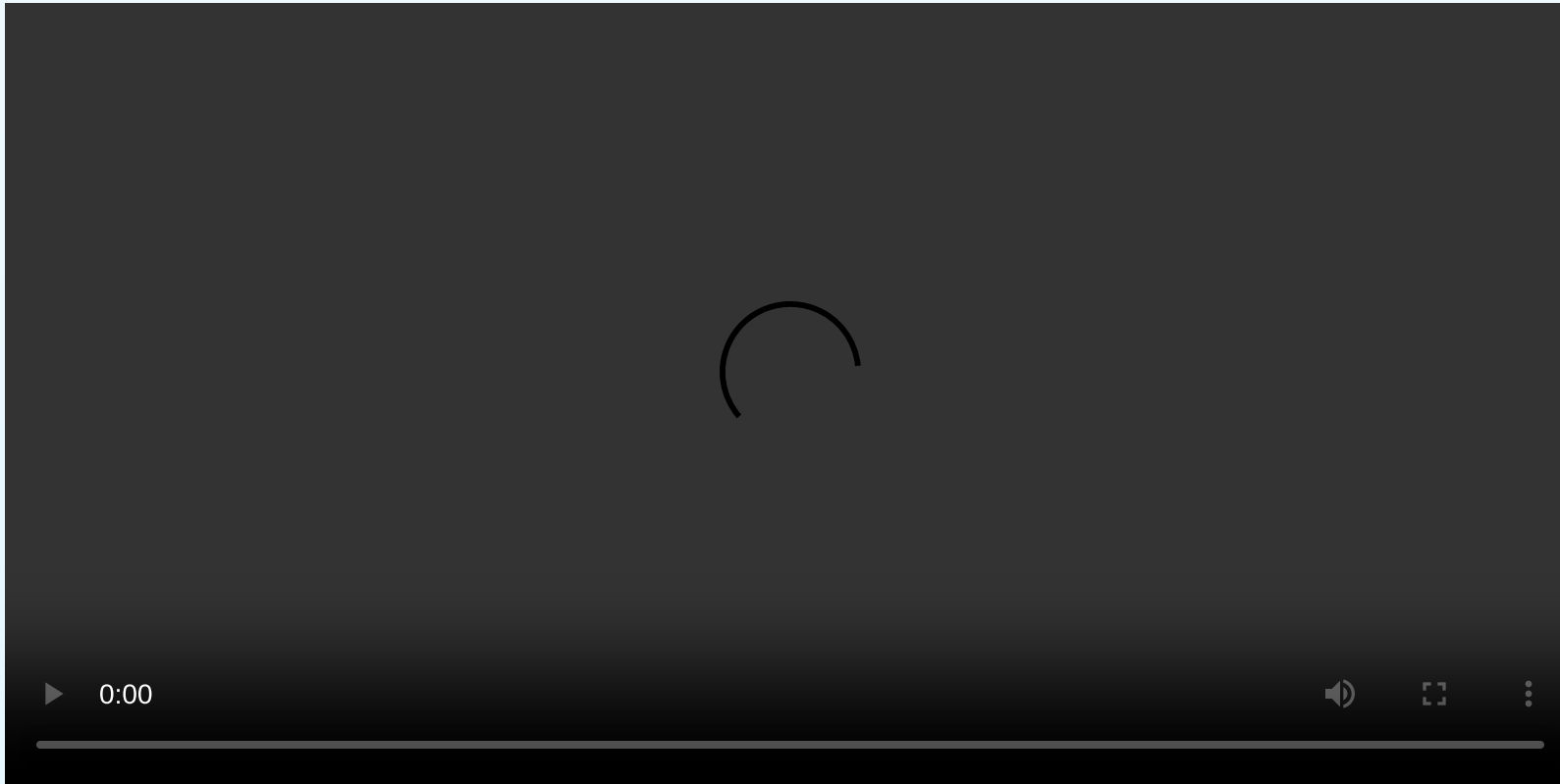
Add your tutorial to 'tutorials.json'

Deployment URL from previous step

```
{
  "name": {
    "en": "My New Tutorial"
  },
  "abstract": {
    "en": "A short description of your tutorial"
  },
  "authors": [
    "The authors and contributors"
  ],
  "types": [
    {
      "en": "Tutorial"
    }
  ],
  "tags": [
    "create",
  ],
  "category": "training courses in data science", // "What-If applications", "Focus applications", "training courses in data science"
  "imageUrl": "https://www.edito.eu/wp-content/uploads/2023/09/favicon.png",
  "articleUrl": {
    "en": "https://github.com/username/stac-r-tutorial", // Your github
  }
  "deploymentUrl": "https://datalab.dive.edito.eu/mydeployment.configuration.git.resources.etc"// DEPLOYMENT URL FROM PREVIOUS STEP
  // parts: []
},
```



Adding to tutorials.json



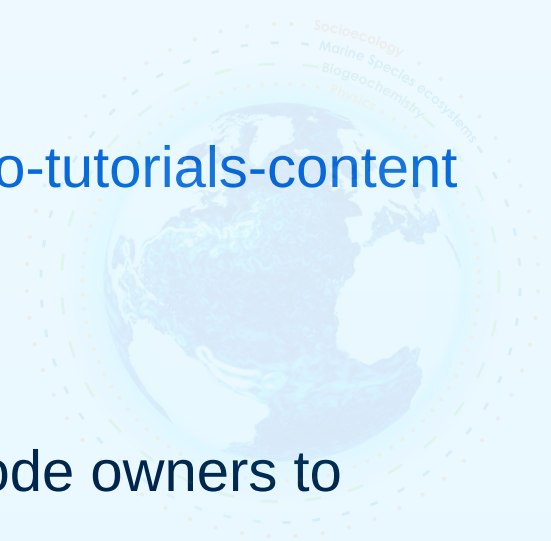
Push your updates onto your branch

```
# Stage all changes
git add .
# Commit the changes with a descriptive message
git commit -m "Added my awesome tutorial to tutorials.json"
# Push the changes to your branch
git push origin my-new-tutorial-branch
```



Create a Merge Request

- Check the gitlab <https://gitlab.mercator-ocean.fr/pub/edito-infra/edito-tutorials-content>
- See if your commit is in a pipeline and if it passes or not
- If it passes, create a Merge Request
- In your merge request, '@pub/edito-infra/codeowners' to request code owners to review your proposal.



✓ Final Review Checklist

- ✓ Tutorial `.Rmd` created and runs
- ➡ GitHub repo is public and clean
- 🔗 Launch link tested
- ✓ `tutorials.json` updated
- ✓ Committed to Gitlab and passes Pipeline
- ✓ Merge Request submitted



🙌 **Done!**

Once your Merge Request is approved

🎉 You've contributed to EDITO Datalab!

Your tutorial is now one click away from reproducible research!

💬 Issues? Email edito-infra-dev@mercator-ocean.eu

🔗 [Contribution Docs](#)

