

Display laser data with ROS

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Display laser data with ROS (1/4)

- To download the data needed for labs on datmo:

1. `cd ~/ros2_ws`
2. `\rm -r data_for_labs`
3. `git clone https://gricad-gitlab.univ-grenoble-alpes.fr/tp_ros2/data_for_labs.git`

- To play recorded data: Open 2 tabs in a terminal

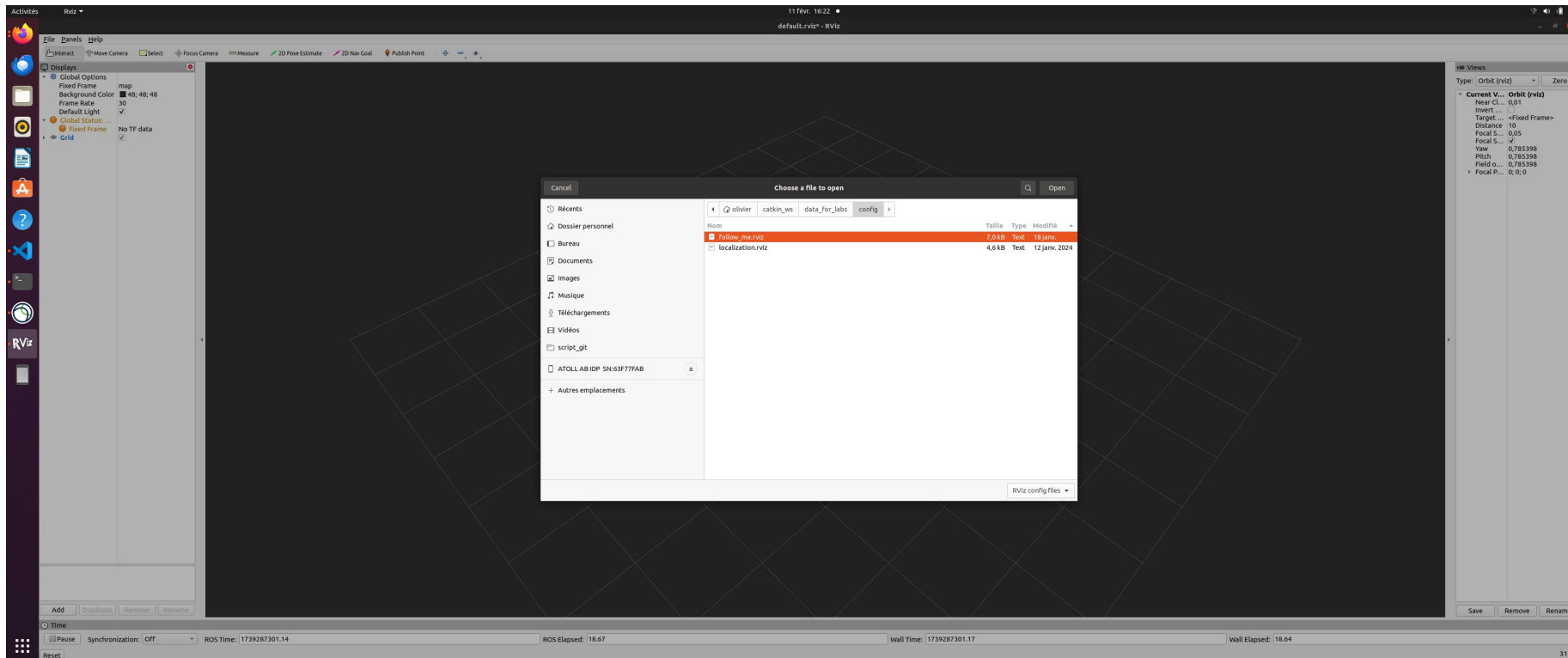
(remember to `source ~/ros2_ws/install/local_setup.bash`)

1. One terminal to run Rviz : `ros2 run rviz2 rviz2`
2. One terminal to play the rosbag file:
`cd ~/ros2_ws/data_for_labs/follow_me/detection/old_laser`
3. `ros2 bag play <data_file>.bag2`
- 4.
5. *Replace <data_file>.bag2 with the name of the file to play,
for instance : `detection01.bag2`*

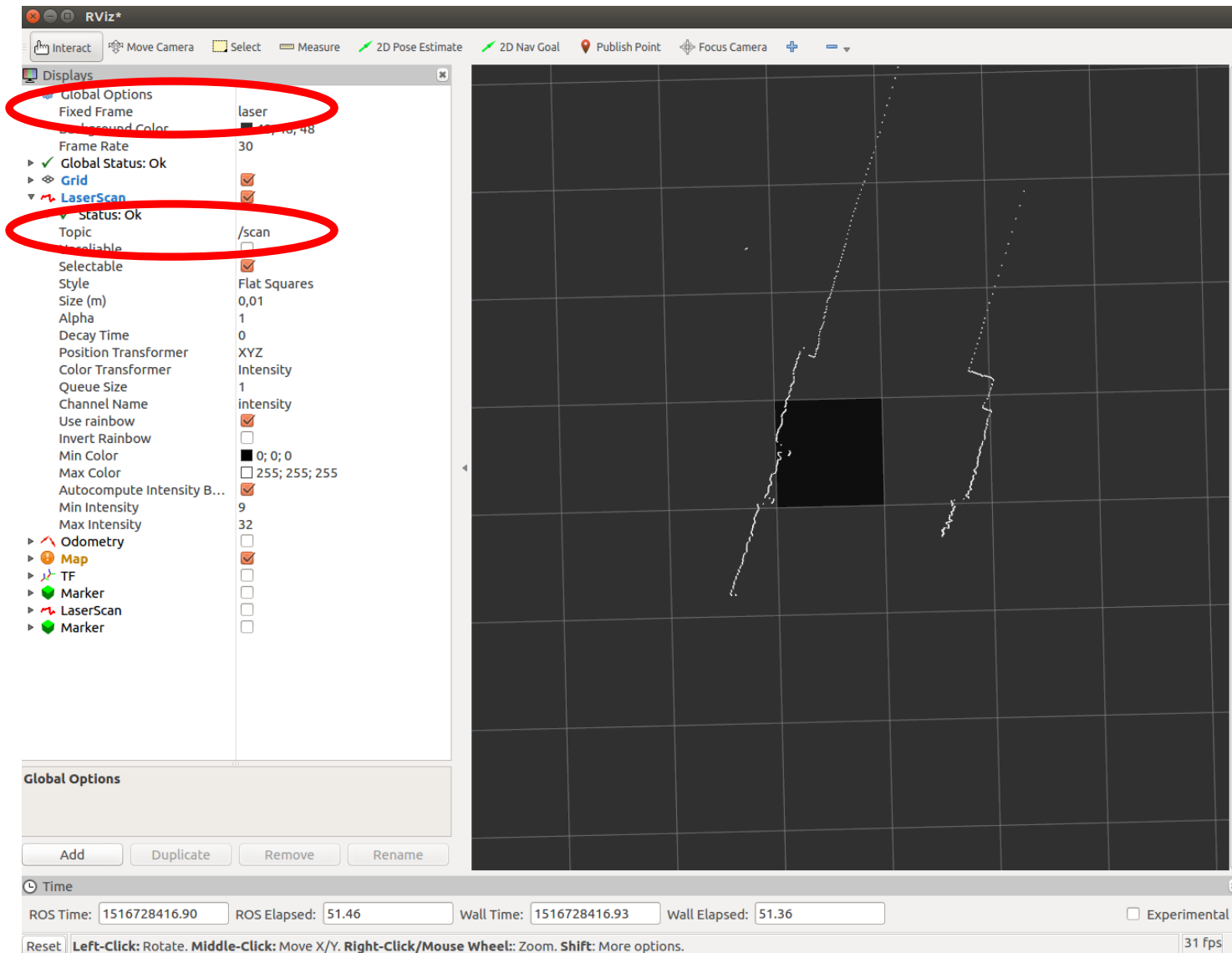
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3. Rviz: the visualization tool of ROS;

1. Open the configuration file (*File → Open Config*)
2. `~/ros2_ws/src/tutorial_ros/config/laser_only.rviz`

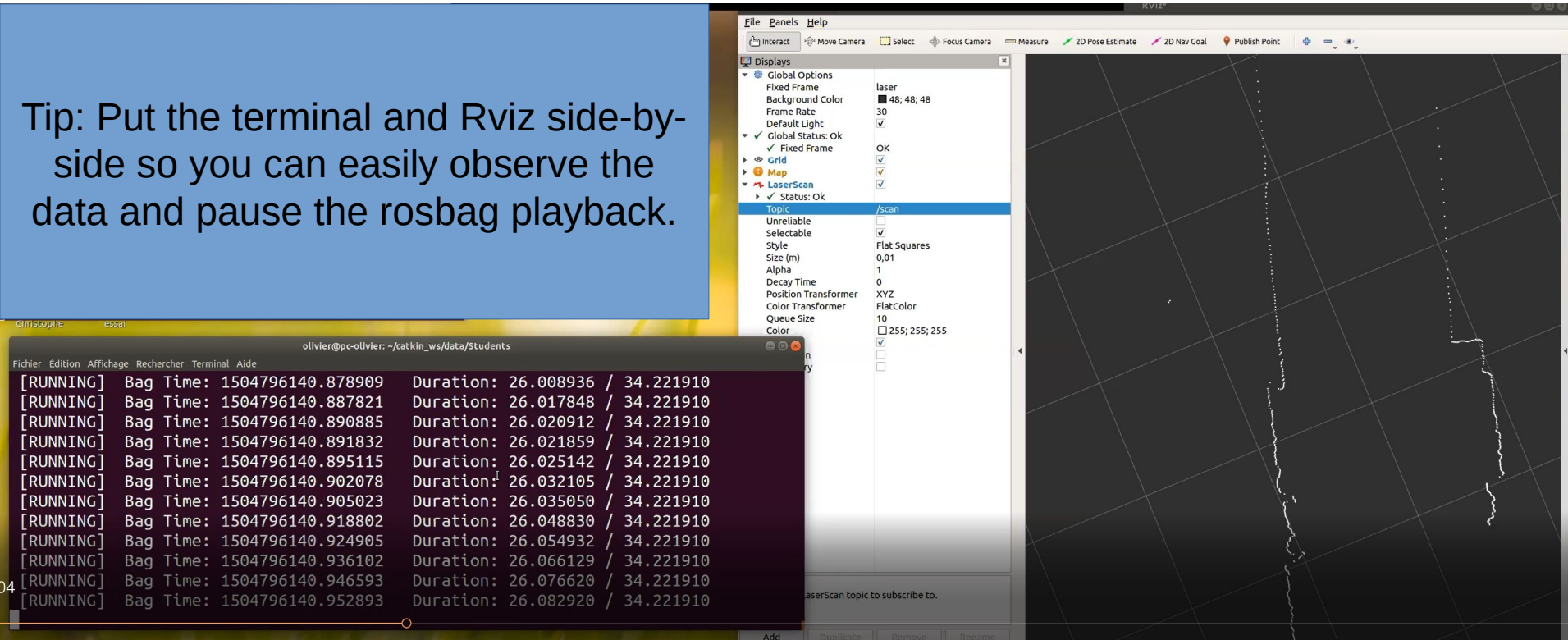


Display laser data with ROS (3/4)



Display laser data with ROS (4/4)

Tip: Put the terminal and Rviz side-by-side so you can easily observe the data and pause the rosbag playback.



You can control the data playback by clicking in the terminal and pressing keys :

- To pause a rosbag, press space
- To run a rosbag step by step, press s