# MOBIDATALAB
Labs for prototyping future mobility data sharing solutions in the cloud

## DATATHON Tools
## Pocket Guide

### Ready to start your living lab journey?

### Challenge accepted! Where do I start?

1 – Access the Virtual Lab platform via
https://labs.mobidatalab.eu/ Virtual Lab

2 – Get Started by registering for an account

3 – Login in and browse through
Datathon challenges via
https://labs.mobidatalab.eu/living-lab-details/?id=83

4 – Choose the challenge you want to solve

5 – Navigate to the Datasets page and find out
all the resources provided which may help you
solve the challenge

### Continue from there...

## ESSENTIAL TOOLS FOR YOUR LAPTOP

*What you need to bring to unlock the full potential of your solution*

✓ SSH/SFTP clients (PuTTY, WinSCP)
*for the usage of a dedicated virtual machine*
✓ QGIS type client
*for visualising datasets and querying the visual content of the data*
✓ Development Kit (Python, Java, VS Code, Eclipse etc.)
*for developing applications integrating our metadata catalogue's functionalities*

## POWER UP YOUR SOLUTION WITH OUR TOOL STACK

*MobiDataLab-specific tools that will take your data game to the next level*

✓ METADATA CATALOGUE
*Access it here. Browse, search and access more than 50.000 listings of metadata that can lead you to datasets.*
✓ SERVICES CATALOGUE
*Access it here. Browse, view and add APIs. Documentation is available here.*
✓ SEMANTIC ENRICHMENT PROCESSOR
*Web API which enables the enrichment of trajectories with aspects i.e., semantic dimensions. Documentation and access links are available here.*
✓ NAVITIA APIs
*APIs Catalogue and more information are available here.*
✓ NAVITIA JOURNEY PLANNER "Playground"
*Playground is a sandbox for testing data and queries. How-to-use instructions including documentation are available here.*
  o *GTFS data – Sources of GTFS to be injected into the Navitia instance are here.*
  o *How-to import GTFS/PBF to Navitia instructions are available here.*