

# CSFM Digital Twin project

ETH Zurich, 29 May 2024



# Digital Twin of the Swiss Mobility System

## Objectives:

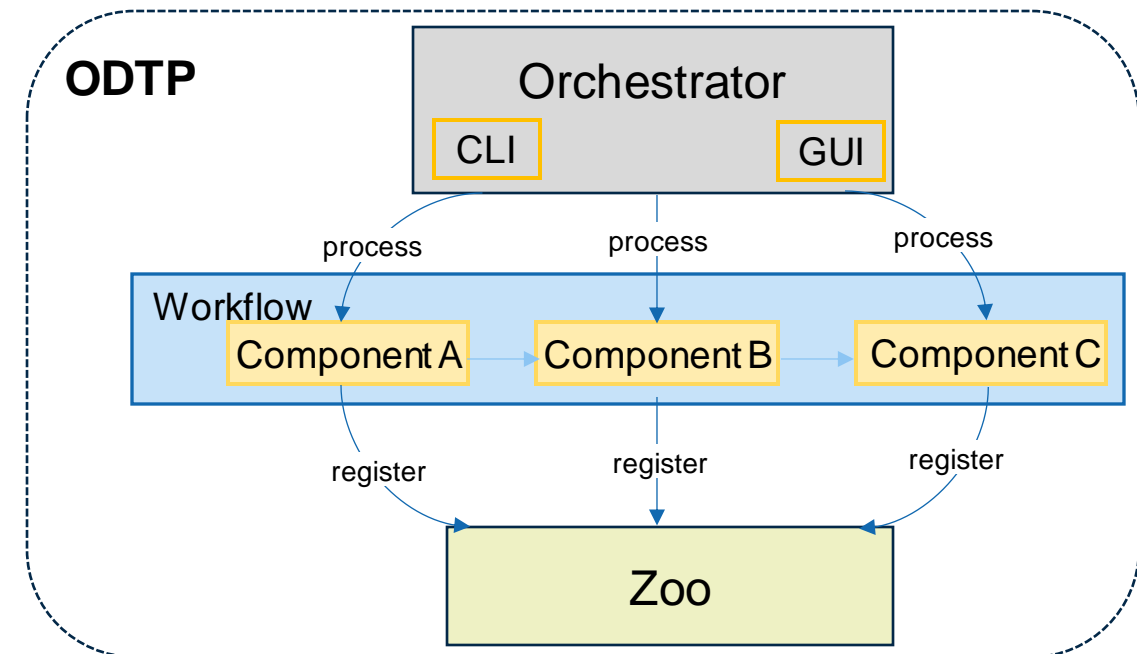
- Promoting the collaboration between researchers through the efficient exchange of mobility data and modelling tools
- Make more accessible available high-quality data sets, models and results
- Allow exploring possible transformation paths of the Swiss mobility systems.



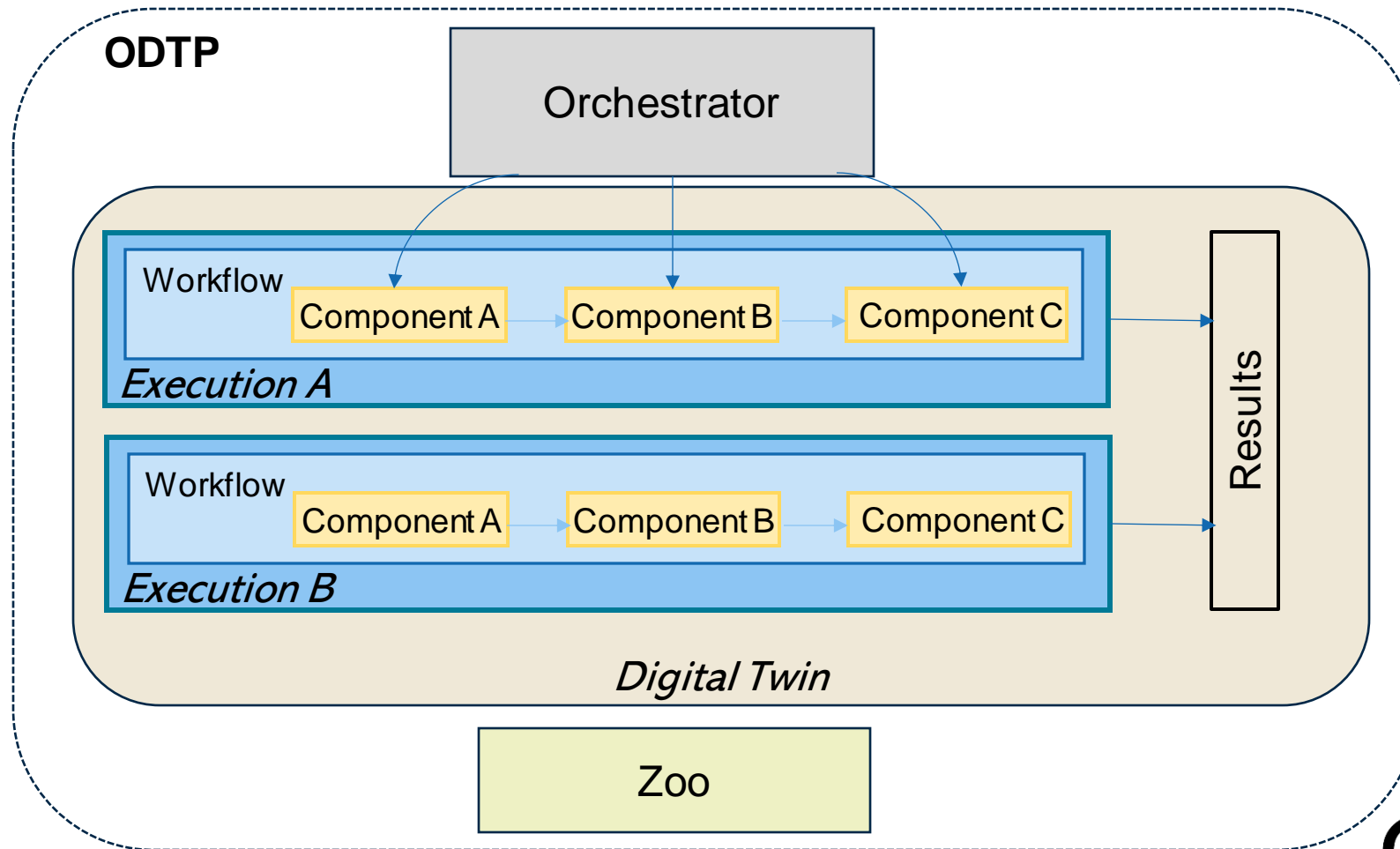
# Open Digital Twin Platform (in a nutshell)

ODTP is a **framework** to combine independently developed **tools** into a sequence of steps without permanently linking them or integrating them into a monolithic application

- The **Orchestrator** is the application behind ODTP
- **Components** are the tools transformed to be compatible with ODTP
- **Workflows** are the combination of components into sequences
- **Zoo**: a collection of components



# Open Digital Twin Platform (in a nutshell)



<https://github.com/odtp-org>



# The Team



**Chenyu Zuo**, ODTP-Virtual environment

**Stefan Ivanovic**, ODTP-Physical and Data environment

**Jascha Grübel**, ODTP – Conceptualization and standards

**Milos Balac**, CSFM – DT Scientific lead

**Yanan Xin**, Geoinformation engineering, ODTP-use cases

**Gloria Romera**, Project Management

**Carlos Vivar Rios**, ODTP developer

**Sabine Maennel**, ODTP developer

**Sabrina Ossey**, Data privacy

**Robin M. Franken**, Data ontology

**Oksana Riba Groguz**, ORDES Team leadership

ORD Engagement and Services Team



# Open Digital Twin Platform (ODTP) First use case applications

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