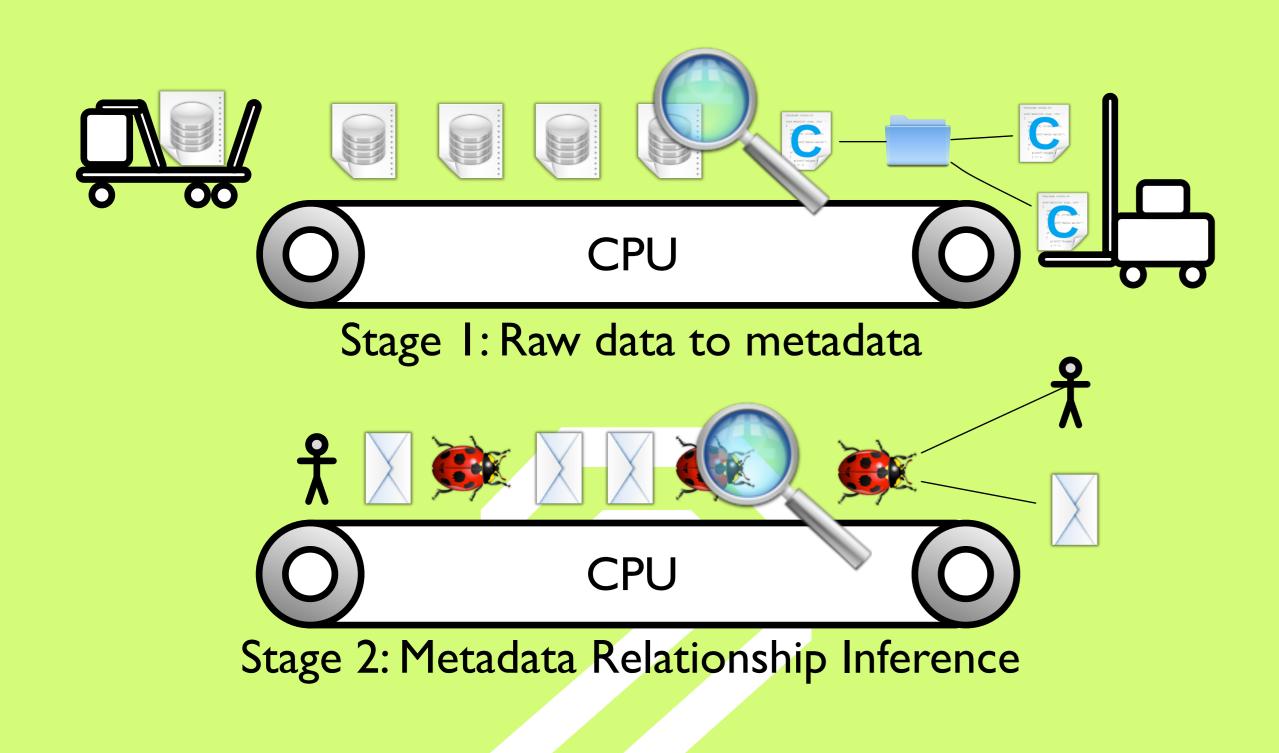


# Preprocess raw data and extract metadata



# Stage I

- Uses SCM log to create a virtual file tree in the DB
- Imports mail and bug metadata

# Stage 2

- Reconstructs mailing list threads
- Resolves developer identities across data sources
- Other analyses possible

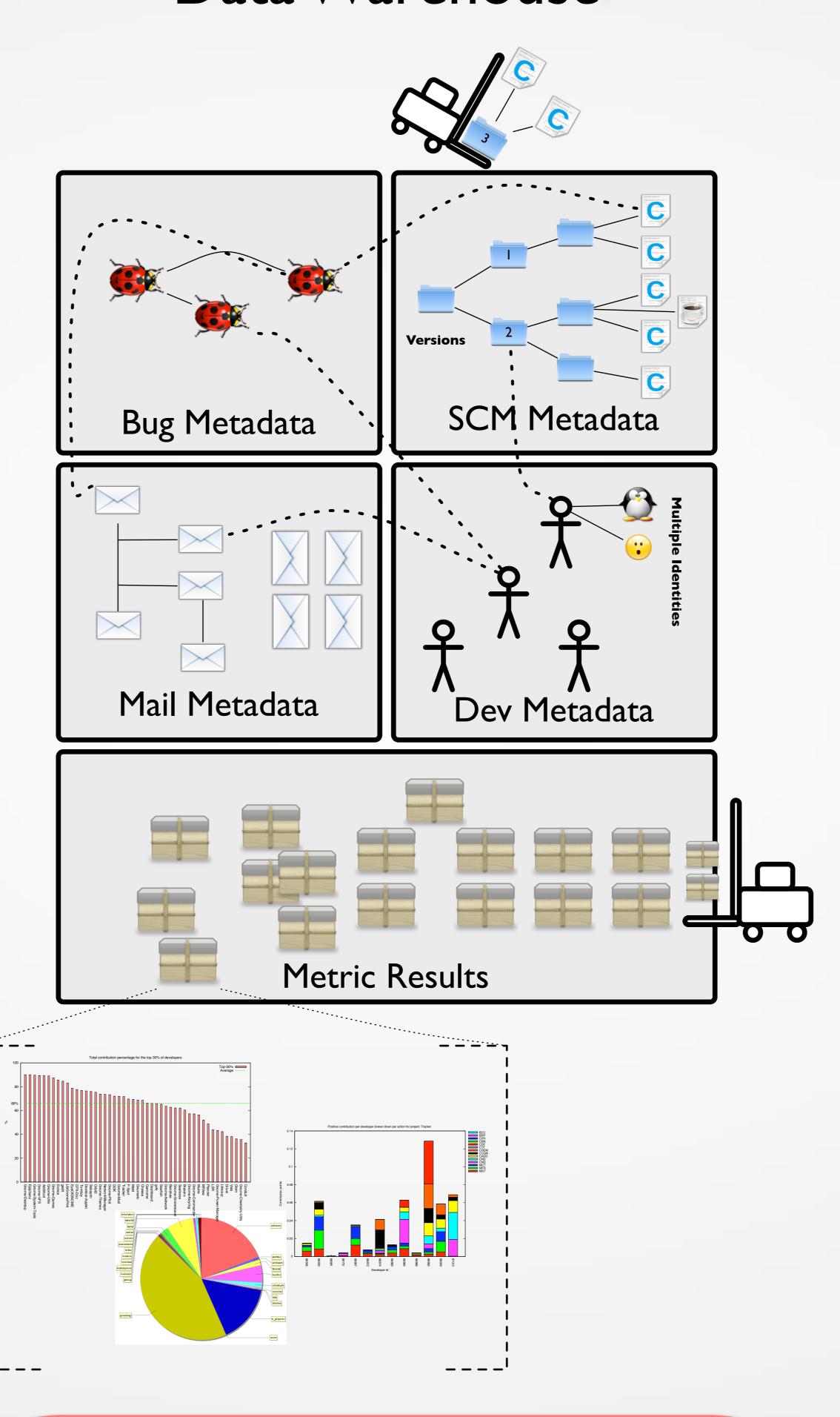
# Alitheia Core

Software Engineering Studies in Four Steps

Georgios Gousios & Diomidis Spinelis

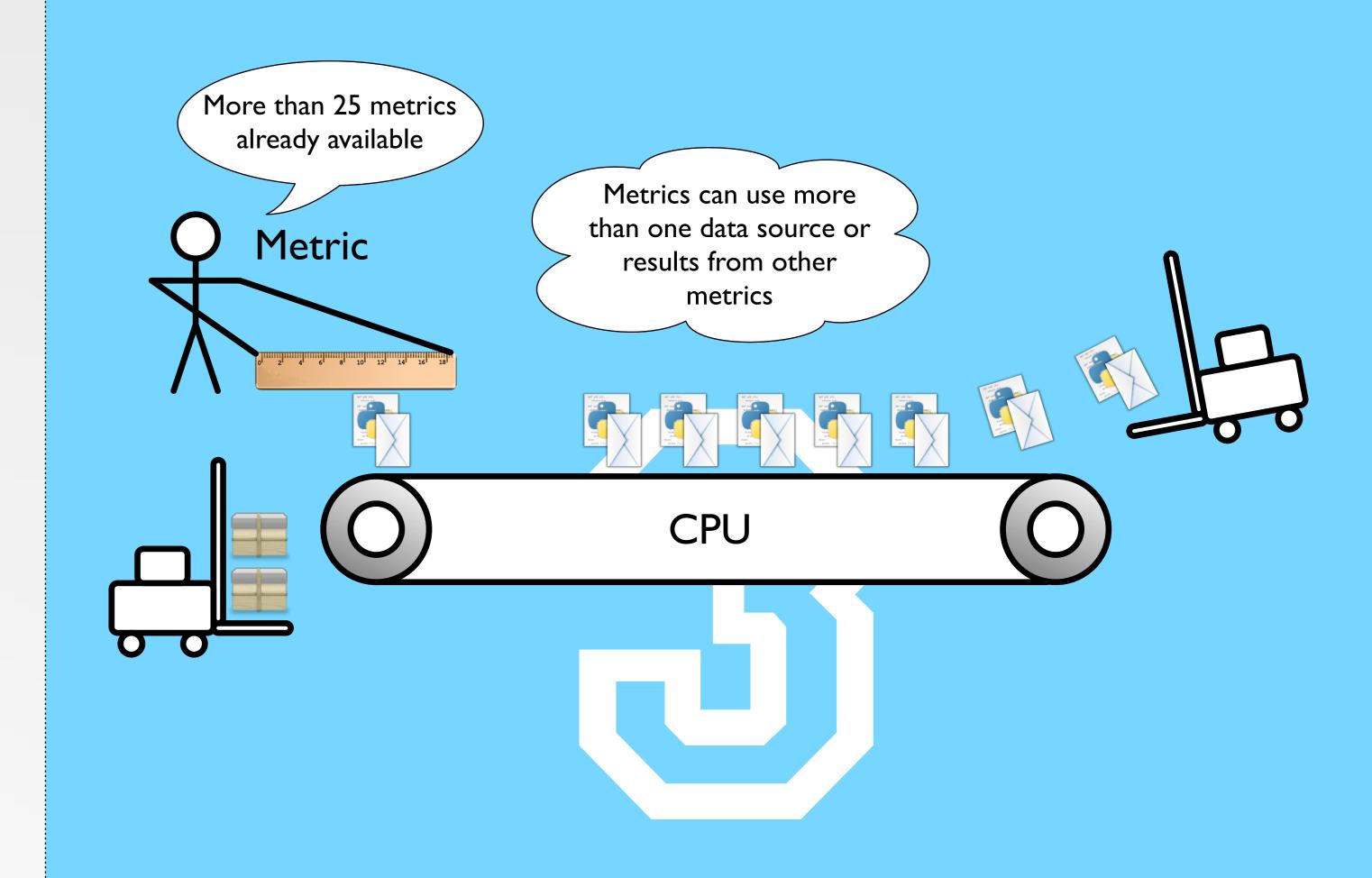
Athens University of Economics and Business {gousiosg,dds}@aueb.gr

# Data Warehouse



Leave your comments here

# Run analysis tools



#### Researcher

- Writes an analysis tool by implementing 3 methods
- Uses raw data or metadata
- Installs the plug-in

### **Alitheia Core**

- Resolves metric dependencies
- Schedules Metric Jobs on CPUs

## Share results and tools



www.sqo-oss.org

# Researcher

- Downloads Alitheia Core
- Downloads example raw data or metadata
- Writes a plug-in
- Submits it to sqo-oss.org

# SQO-OSS project

- Maintains common experiment infrastructure
- Develops Alitheia Core
- Shares raw data and metadata with researchers that submit plug-ins

## Community

- Replicates experiments
- Benefits from each other's work

All graphics used are copyright of the Oxygen project, distributed under the CC Atribution ShareAlike 3 license Project logos are copyright of each respective project

Don't forget your sticker!

This work is supported by the Greek Secretariat of Research and Technology, throughout th operational program COMPETITIVENESS, measure 8.3.1 (PENED).