

Tool Discovery & Deployment

Two services

- ▶ Discovering tools
- ▶ Deploying tools (includes Tools to Data)

Tool is defined in the broadest sense; any software

Tool Discovery

- ▶ **User story:** *As a scholar, I am looking for tools and want to browse through and search in a registry of available tools in order to select the tools I need to further my research.*
- ▶ **Implementations:** Ineo, CLARIN switchboard, LaMachine portal, CLAPOPOP
- ▶ **Discussion points:**
 - ▶ Automatic harvesting of software/service metadata
 - ▶ Central focus on Ineo as CLARIAH-wide solution (including concerns)
 - ▶ Collaboration in the CLARIN switchboard

Tool Deployment/Tools to Data

▶ **User stories:**

- ▶ *As a scholar, I want to execute tools on data in order to be able to do some specialised analysis/processing on the data. However, the data may have restricted access, i.e. I can't move it to my own computing environment or that of a third party. To facilitate this, the tools need to be deployed either at my institute or on my local machine.*
- ▶ *As a scholar, I want to execute tools in my own computing environment (e.g. on my own laptop) in order to work with data which I can't move to an external computing environment*
- ▶ *(and some more devops-oriented stories for WP2)*

▶ **Implementations:**

- ▶ Docker containers
- ▶ LaMachine
- ▶ Kubernetes as deployment infrastructure, Helm charts, kubernetes-as-a-service (rancher)

▶ **Discussion Points:**

- ▶ Infrastructure/software requirements