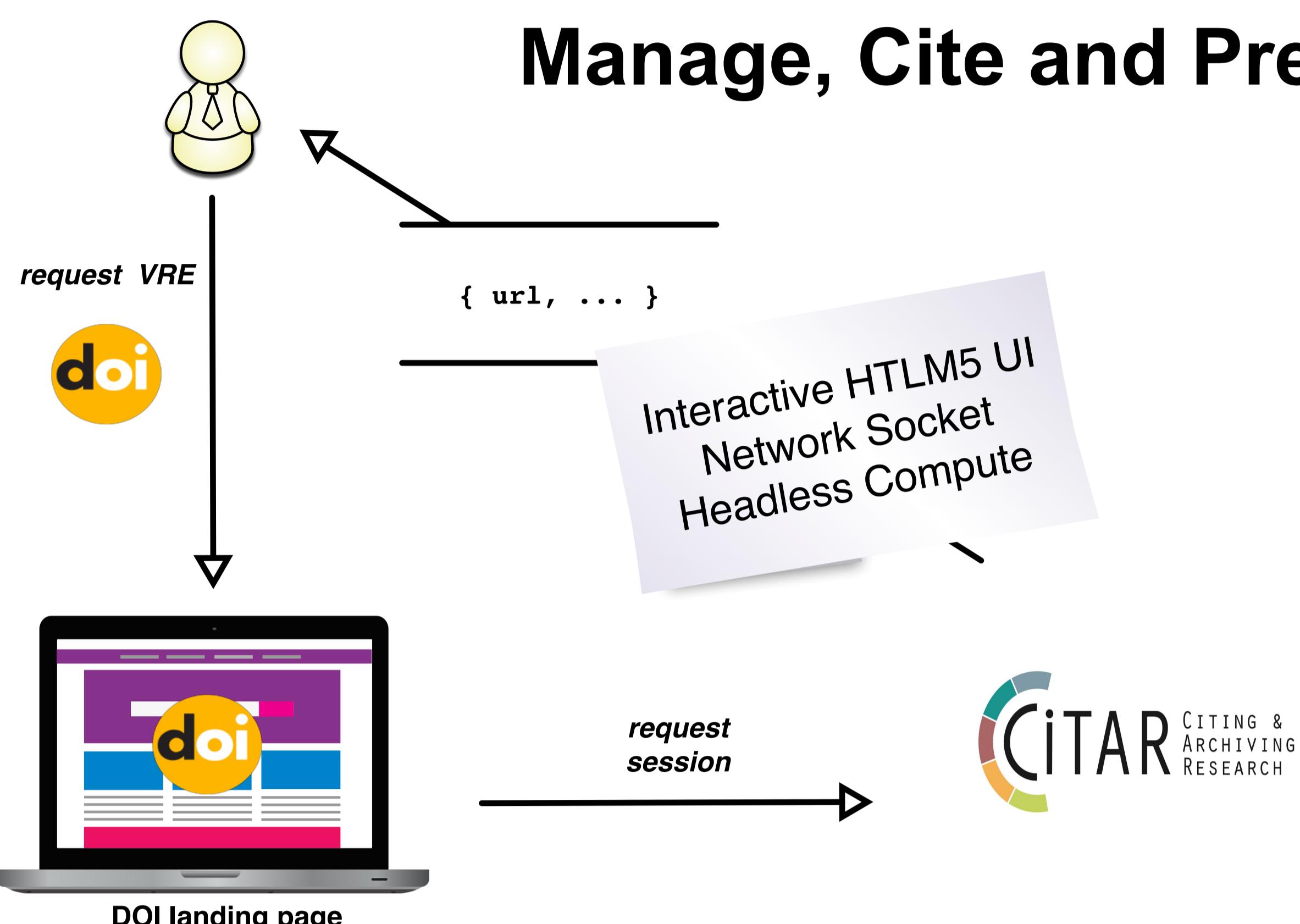




[citar.eaas.uni-freiburg.de](http://citar.eaas.uni-freiburg.de)

**Authors:** F. Bartusch, R. Gieschke, S. Kombrink, J. Krüger, S. Mocken, K. Rechert, O. Stobbe, K. Udod, T. Walter, S. Wesner, O. Zharkov

• repeat • replicate • reproduce • reuse •



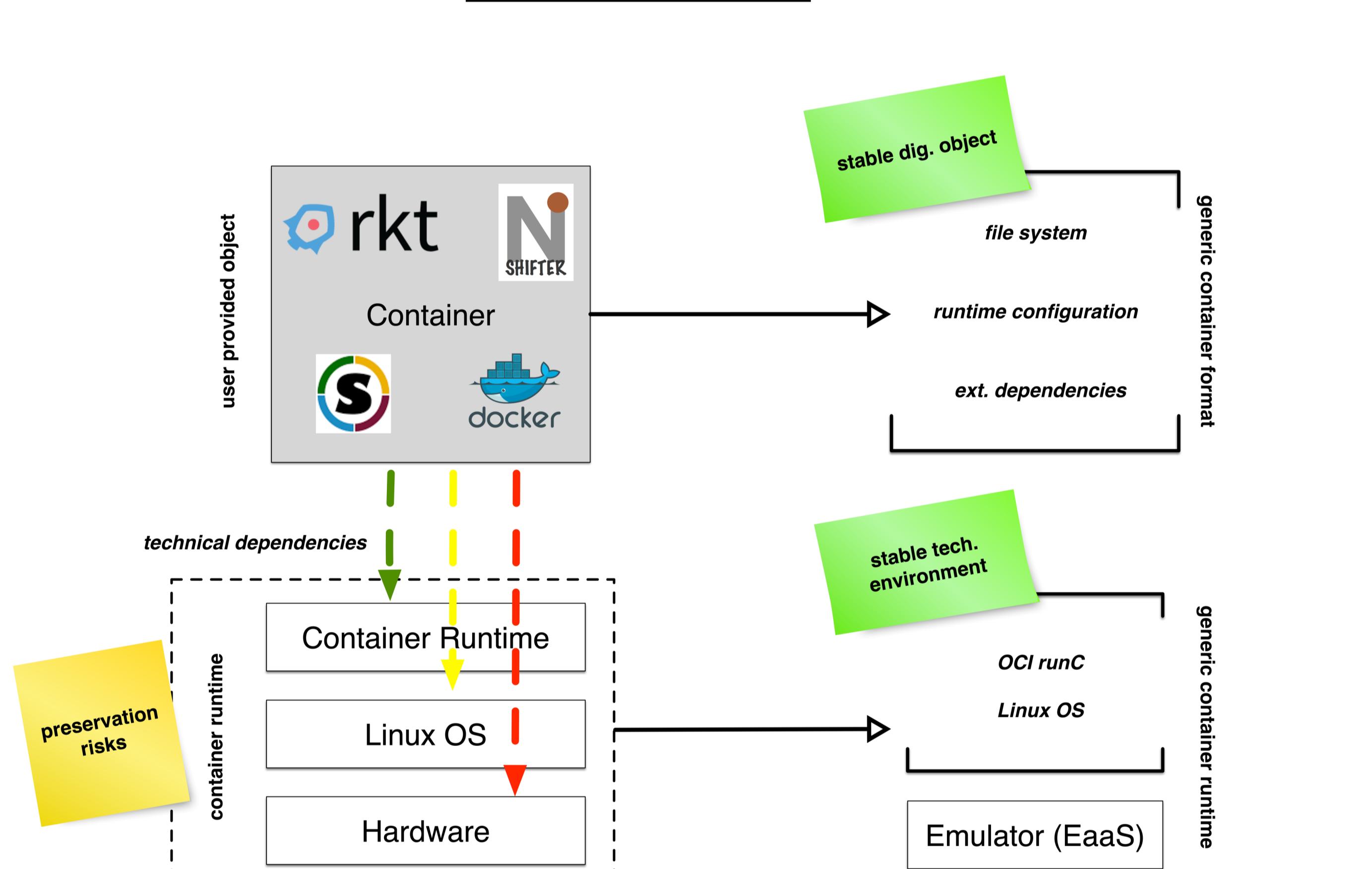
### Manage, Cite and Preserve Virtual Research Environments

#### Support software-based research

- Automated import of virtual machines and containers
- Assign persistent unique identifiers
- Re-run virtual machines and containers with external data
- Archival and long-term preservation

### Long-term Preservation of ...

#### Containers



#### Virtual Machines

- Conversion into an archivable image format
- Modifiable after import and before publication
- Secure network access for meanwhile unsecure virtual machines
  - Port Forwarding
  - SOCKS
  - Local Mode

Example:  
Preserved meta glossary of Church Slavonic varieties



- Service for Archiving and Reproduction of Scientific Experiments
- Ingest of a container from a productive environment (virtual research environment)
- Conversion into an archivable container format (currently available for Docker and Singularity)
- Test run in a virtualized environment (bwCloud)
- Documentation of dependencies
- Documentation of input / output parameters

#### Standardsuche im Metaglossar

Bitte eine Wortform eingeben.

SUCHEN

- Wortform ist Hyperlemma  
 Wortform ist Lemma oder Variante

Die folgenden Glossare werden durchsucht:

- Euch.
- Greg.Nyss.
- Hi.[GR-KSL]
- Hi.[KSL-GR]
- Hist.Ecl.
- Lex.Ecl.
- Mel.-Arch.
- Ps.-Caes.
- Syn.Tr.[1]
- Syn.Tr.[2]
- Syn.Tr.[3]

#### Partners

University of Freiburg	Virtualization & Emulation Framework, project lead
Ulm University	HPC containers, cloud technology, central services
University of Tübingen	Scientific Workflows, Docker, Singularity

#### Project Source & Docs

[Gitlab.com/CiTAR/](https://gitlab.com/CiTAR/)  
[Gitlab.com/Emulation-as-a-Service/](https://gitlab.com/Emulation-as-a-Service/)