

# Infrastructure-Components of eAssessments

SCALE-UP project / SWITCHEngines service



# SWITCH

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# Agenda

- We intend to show where we stand with the project and want to engage in an open discussion about which scenarios we might support eAssessments with our eInfrastructure. Where do you see the benefits and obstacles of such use-cases?
- Format: Short introduction (5 minutes), discussion (10 minutes)
- Goal: Get many (unstructured) inputs and ideas on the topic, which can then be refined and further discussed at future events.

# The SCALE-UP project

## Goals SCALE-UP

- Create academic services on the cloud infrastructure
- User group in focus are researchers and lecturers

## Duration

- August 2015 – December 2017

## Project partners

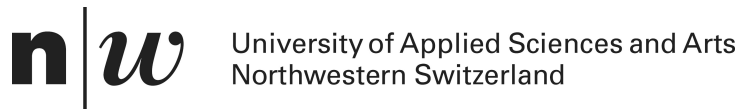
- 8 project partners from universities

## Funding

- Co-funded by the program “[Scientific Information](#)” with matching funds of the institutions

**swissuniversities**

# Project partners



Institute of Information Management



University of St.Gallen

Zürcher Hochschule  
für Angewandte Wissenschaften



ICCLAB



<sup>b</sup>  
UNIVERSITÄT  
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# Projects on SWITCHengines

- “Scientific Information” projects by swissuniversities running on SWITCHengines
  - DLCM – Data Lifecycle Management
  - GeoData 4 Swiss Edu – GIS
  - HEPIA – Simulation
  - NEI-CH – High Energy Physics
  - SCITAS – eScience
  - And more to come

See also on:

<https://www.switch.ch/services/engines/>

# eLearning on SWITCHengines

- SWITCHtube – Lectures in the cloud
- SWITCHdrive – Shared files in the cloud
- SWITCHportfolio – ePortfolio in the cloud
- Collaboration Tools – easily deploy web based tools
- SWITCHengines – build infrastructure in the cloud
  - RStudio / Jupyter for classroom usage (various)
  - Pre-Configured / Licensed Matlab / SPSS instance
  - Give each student a VM (or more) to learn to install servers (FFHS)
  - Run an instance of a OpenEDX (MOOC)
  - Combine the the last two use cases to get additional benefits
  - And many more ...

# SCALE-UP overview

- Research in the Cloud
- Classroom in the Cloud
- Big Data Analytics
- Statistical Workbench
- Scientific Data Pools
- Collaborative Apps
- Container Technologies
- Reporting / Accounting / Billing
- VM Management Tools
- Virtual Private Cloud
- Marketplace



# Discussion

- The discussion is summarized in the separate debriefing document.



# Questions

If you have any questions  
or want to get a voucher  
to try out SWITCHengines  
please contact us



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<https://projects.switch.ch/scale-up>



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