VCC 1 in a Nutshell

2nd DARIAH-EU General VCC Meeting
(Vienna, 28 – 30 November 2012)

Ye Cao (MPDL, Munich; cao@mpdl.mpg.de)
Karlheinz Mörrth (ICLTT, Vienna; karlheinz.moerth@oeaw.ac.at)
René Smolarski (SUB, Göttingen; rene.smolarski@sub.uni-goettingen.de)
Virtual Competency Centres

Technological basis

to be a trusted intermediary
to share and integrate community-developed data and tools

Open source
Virtual Competency Centres

Technological basis

to be a trusted intermediary
to share and integrate community-developed data and tools

Open source
Open access
VCC 1 is to

... establish infrastructure services by making use of standards which ensure interoperability across the whole DARIAH *ecosystem*

... support the creation and evolution of local data stores for the trustworthy management of research data (e.g. national data archives, special collections)

... foster the stability, openness and re-usability of scholarly tools and collaborative research environments (e.g. humanities centres, researchers in A+H)

... interact with institutional partners, A+H development groups, and related actors to ensure the quality, permanence and growth of e-infrastructure and technical services in the A+H
VCC 1 is catering to

... other VCCs

... innovators in the A+H community

... mediators of technical infrastructure
VCC 1: Tasks
VCC 1: Tasks

(T1) Management and Coordination

(T2) Core Infrastructure Services

(T3) Reference Software Packages

(T4) Preservation Infrastructure

(T5) Data Federation and Interoperability

(T6) Developer Community

(T7) Service Environment

(T8) Research Environment Demonstrators
VCC 1: Tasks

(T1) Management and Coordination
- Planning of activities in the various countries
- Acting as contact points for the task leaders of the VCC
- Coordination of activities with other DARIAH bodies such as the DCO and other VCCs

(T2) Core Infrastructure Services

(T3) Reference Software Packages

(T4) Preservation Infrastructure

(T5) Data Federation and Interoperability

(T6) Developer Community

(T7) Service Environment

(T8) Research Environment Demonstrators
VCC 1: Tasks

(T1) Management and Coordination

(T2) Core Infrastructure Services
- An overarching authentication and single-sign-on infrastructure (AAI)
- Persistent identification (PID) services

(T3) Reference Software Packages

(T4) Preservation Infrastructure
- Infrastructure management

(T5) Data Federation and Interoperability

(T6) Developer Community

(T7) Service Environment

(T8) Research Environment Demonstrators
VCC 1: Tasks

(T1) Management and Coordination
(T2) Core Infrastructure Services
(T3) Reference Software Packages
(T4) Preservation Infrastructure
(T5) Data Federation and Interoperability
(T6) Developer Community
(T7) Service Environment
(T8) Research Environment Demonstrators

Solution stacks for research environments trusted repositories
VCC 1: Tasks

(T1) Management and Coordination
(T2) Core Infrastructure Services
(T3) Reference Software Packages
(T4) Preservation Infrastructure
(T5) Data Federation and Interoperability
(T6) Developer Community
(T7) Service Environment
(T8) Research Environment Demonstrators

Technical and logistical support for A+H data centres to ensure trustworthy preservation
Federation mechanisms applicable in research-oriented applications across diverse data sources, focusing on analysis, visualisation, and task management.

- (T1) Management and Coordination
- (T2) Core Infrastructure Services
- (T3) Reference Software Packages
- (T4) Preservation Infrastructure
- (T5) Data Federation and Interoperability
- (T6) Developer Community
- (T7) Service Environment
- (T8) Research Environment Demonstrators
VCC 1: Tasks

(T1) Management and Coordination
(T2) Core Infrastructure Services
(T3) Reference Software Packages
(T4) Preservation Infrastructure
(T5) Data Federation and Interoperability
(T6) Developer Community
(T7) Service Environment
(T8) Research Environment

Participation

Sharing of data & tools

Providing development and communication facilities

“Developer Portal”
- Wiki service
- Project and issue management system
- Code repository
- Continuous integration server
- Online text document editor
VCC 1: Tasks

(T1) Management and Coordination
(T2) Core Infrastructure Services
(T3) Reference Software Packages
(T4) Preservation Infrastructure
(T5) Data Federation and Interoperability
(T6) Developer Community
(T7) Service Environment
(T8) Research Environment Demonstrators

Services of more permanent value

Semantic reference tools (dictionaries, thesauri, or geo-referencing services)
VCC 1: Tasks

(T1) Management and Coordination

(T2) Core Infrastructure Services

(T3) Reference Software Packages

(T4) Preservation Infrastructure

(T5) Data Federation and Interoperability

(T6) Developer Community

(T7) Service Environment

(T8) Research Environment Demonstrators

User applications, tailored to the needs of particular research contexts, catering to the needs of particular research communities

Tight interaction with both VCC2 + VCC3

Generic search service
Collections manager
Lexicography platform
Conclusions

We will have to

... pay attention to requirements of the communities

... monitor existing service implementations

... determine weaknesses

... search for solutions

... implement and upgrade essential components
VCC 1 in a Nutshell

Thank you for your attention!

Ye Cao (MPDL, Munich; cao@mpdl.mpg.de)
Karlheinz Mörth (ICLTT, Vienna; karlheinz.moerth@oeaw.ac.at)
René Smolarski (SUB, Göttingen; rene.smolarski@sub.uni-goettingen.de)