

# VCC 1 in a Nutshell

2<sup>nd</sup> DARIAH-EU General VCC Meeting  
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# Virtual Competency Centres

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Technological basis

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

Open source



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## Technological basis

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to share and integrate community-developed data and tools

Open source

Open access



# VCC 1 is to

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... 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

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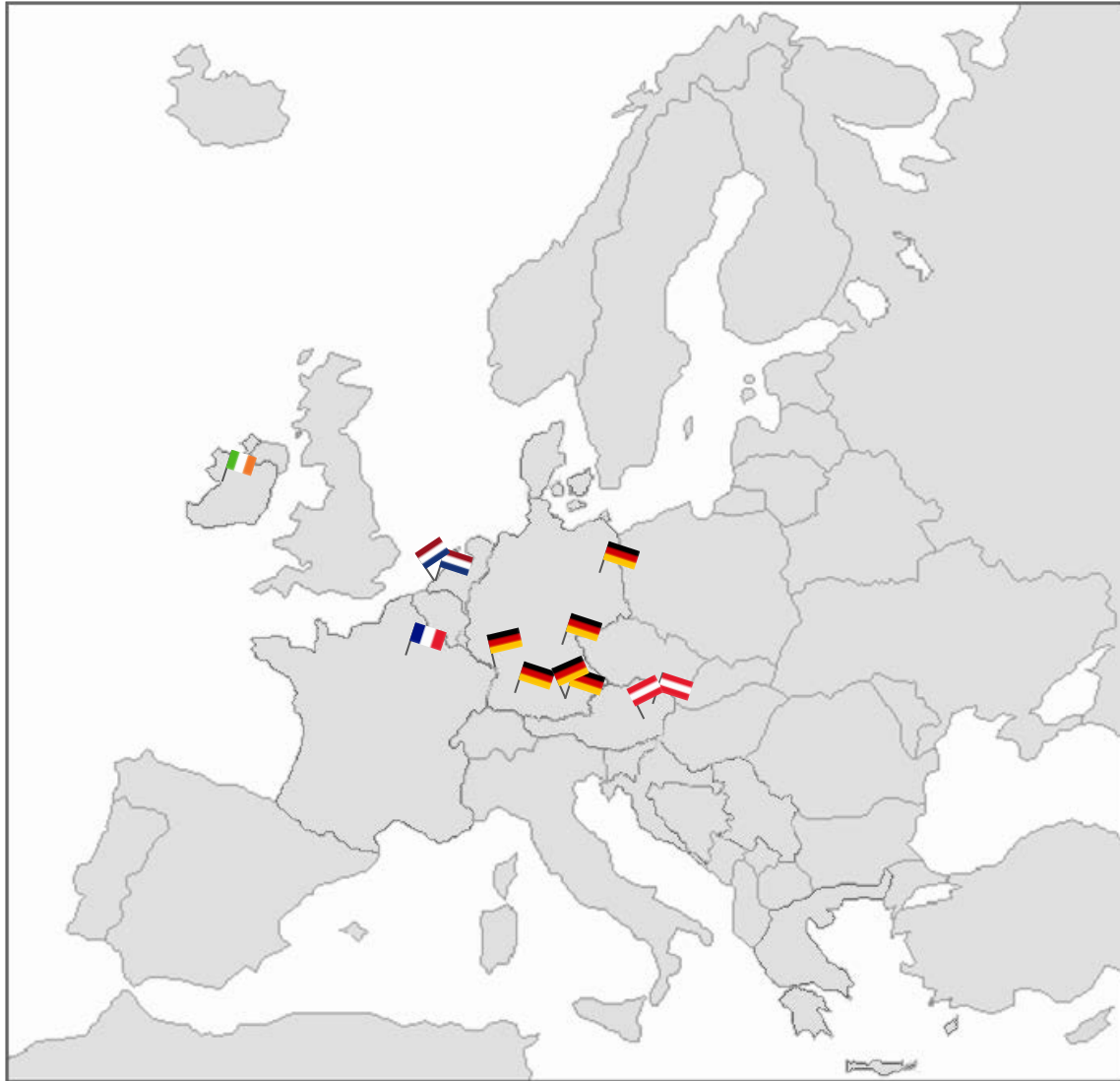
... other VCCs

... innovators in the A+H community

... mediators of technical infrastructure

Μουσείον τῆς Ἀλεξανδρείας

# VCC 1: Tasks



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**(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

**(T2) Core Infrastructure Services**

Acting as contact points for the task leaders of the VCC

**(T3) Reference Software Packages**

**(T4) Preservation Infrastructure**

Coordination of activities with other DARIAH bodies such as the DCO and other VCCs

**(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  
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(T6) Developer  
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(T7) Service  
Environment

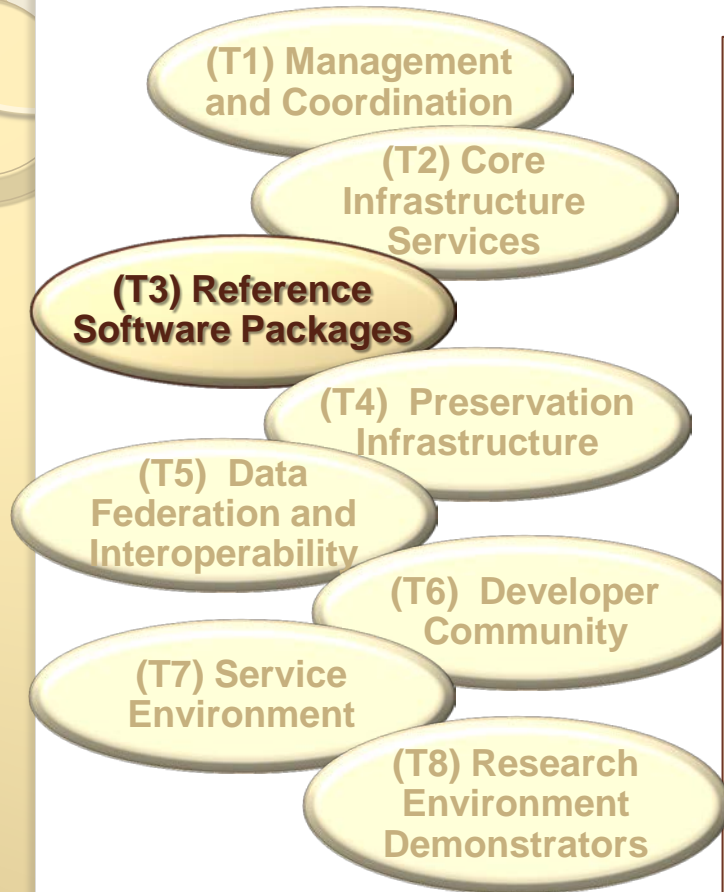
(T8) Research  
Environment  
Demonstrators

An overarching authentication and single-sign-on infrastructure (AAI)

Persistent identification (PID) services

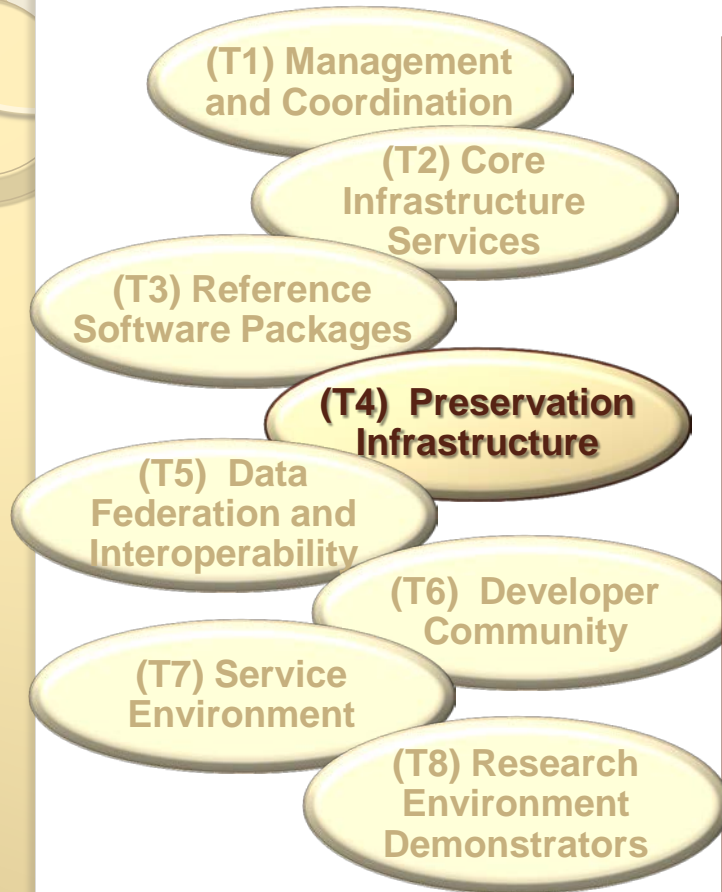
Infrastructure management

# VCC 1: Tasks



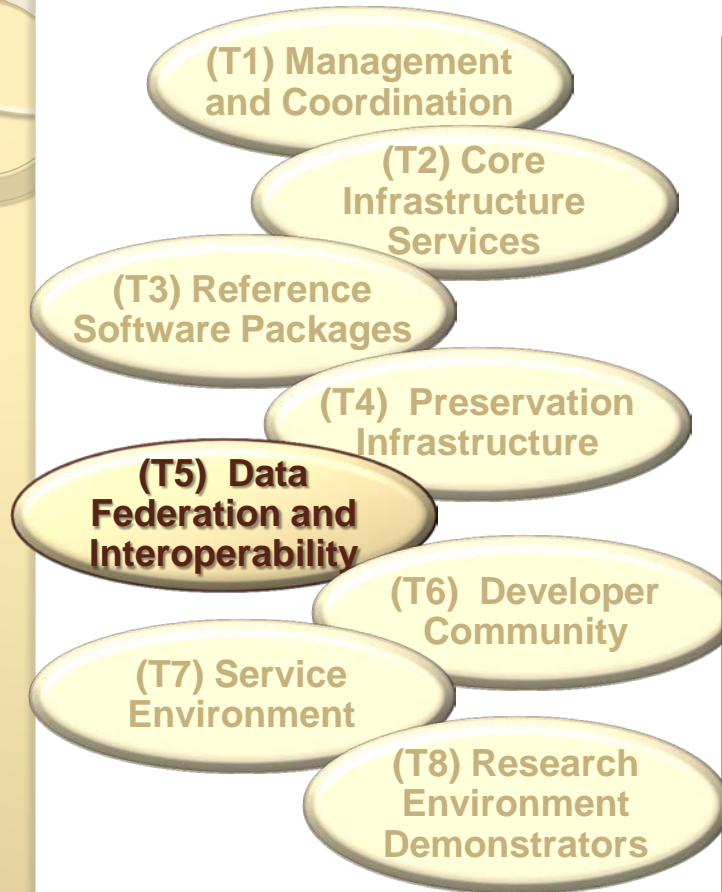
Solution stacks for  
*research environments*  
*trusted repositories*

# VCC 1: Tasks



Technical and logistical support for A+H data centres to ensure trustworthy preservation

# VCC 1: Tasks



Federation mechanisms applicable in **research-oriented** applications across diverse data sources, focusing on analysis, visualisation, and task management

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Environment  
Demonstrators

Participation

Sharing of data & tools

Providing development and  
communication facilities

“Developer Portal”

*Wiki service*

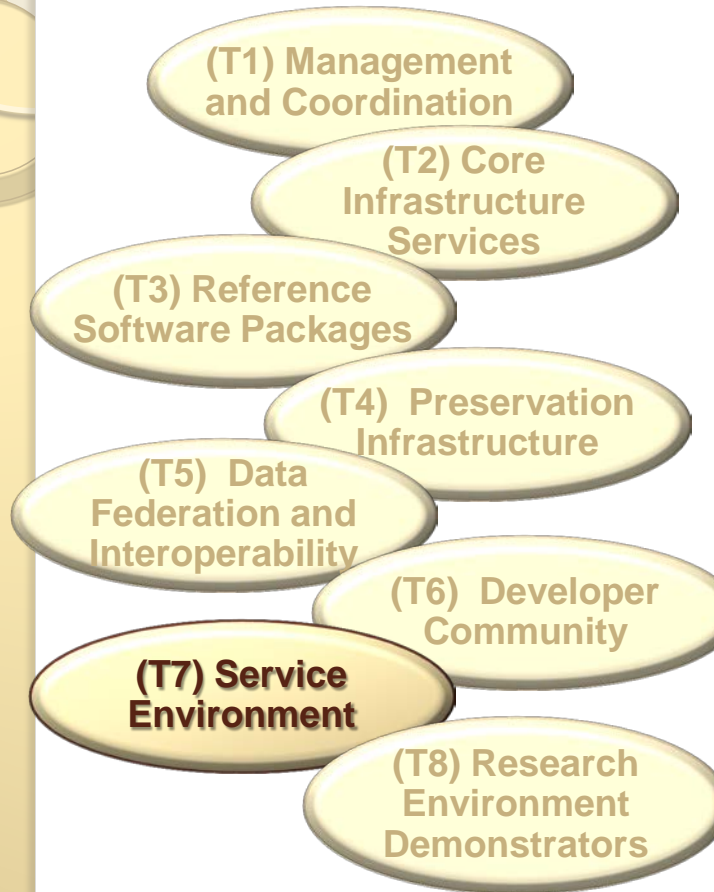
*Project and issue management  
system*

*Code repository*

*Continuous integration server*

*Online text document editor*

# VCC 1: Tasks



Services of more permanent value

*Semantic reference tools (dictionaries, thesauri, or geo-referencing services)*

# VCC 1: Tasks

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(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

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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





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Thank you for your attention!

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