

# Thematic DCC for NES

## *Roadmap consultation*

24 January 2021

# What we already have ... local DCCs and centres of expertise on data, software, and infrastructure

## Local DCCs

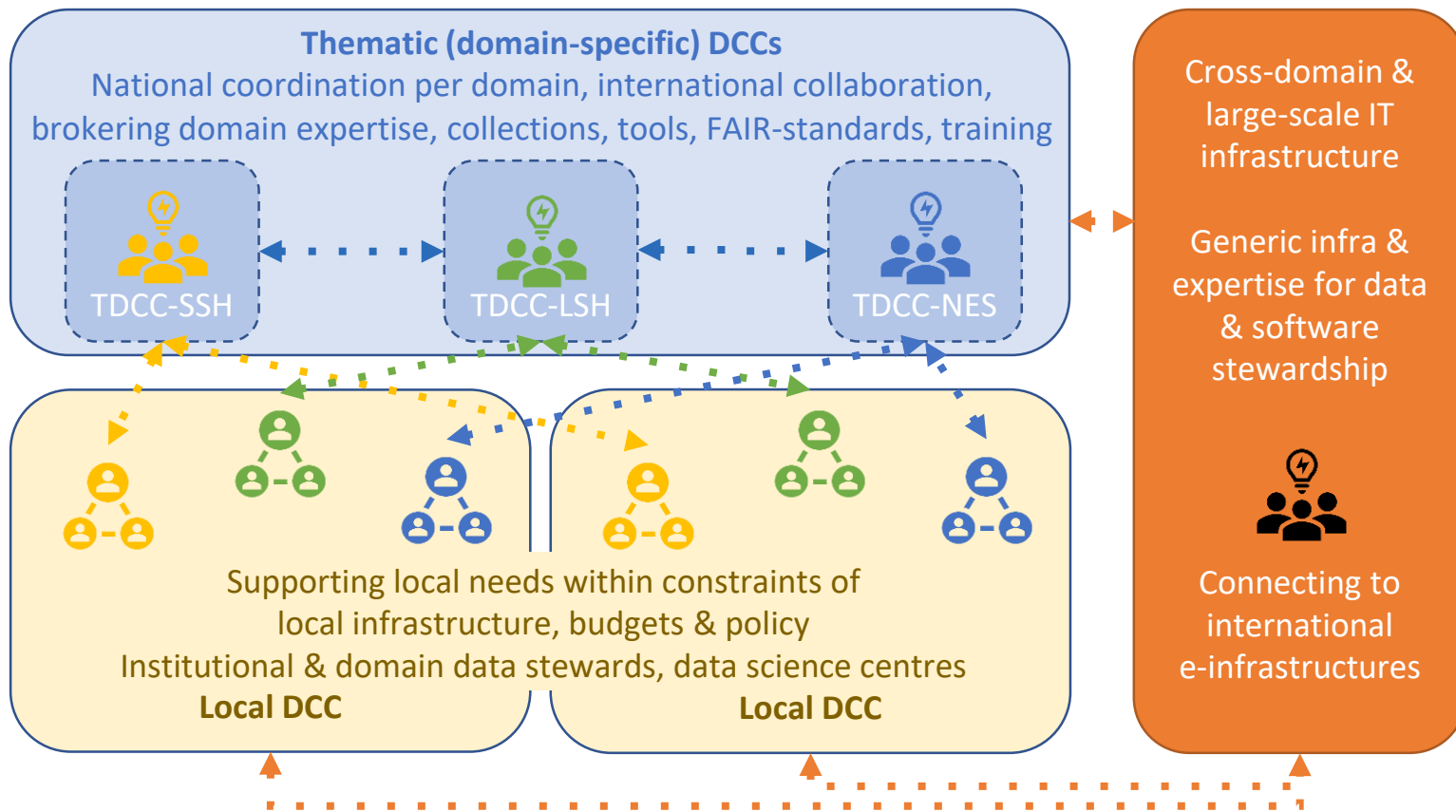
- Increase collaboration and coordination for building digital competencies within the institution
- Support researchers from all research disciplines and domains within the institution and help increase their digital competencies
- Help the institution to speak with a unified voice to external parties

And in addition infrastructures, expertise centres, and digital expert groups form part of the digital competences mesh to which the TDCC contributes!

# Role of thematic DCCs: network organisations

- **Collaborate with local DCCs** to identify, connect and support the domain-specific needs, where solutions extend beyond institutional (and national) borders
- Help **research communities** connect to existing infrastructures, tools, services and expertise networks to stimulate mutual learning and develop a more **coherent ecosystem** of digital services, data and software across the domain.
- Connect national activities and endeavors to **international developments**
- Consolidate the field by stimulating collaboration and exchange of **best practices across disciplines**
- Increase the **expertise among researchers** so that they can properly steer any initiatives in their own field
- Provide continuous feedback to NWO on **research support needs** that could help inform NWO's (future) resources distribution on digital competence topics.
- Facilitate the connections and **collaboration between the thematic DCCs** to establish effective ways of supporting cross-disciplinary research.

# 3 DOMAIN-SPECIFIC DIGITAL COMPETENCE CENTRES



# Challenges within the NES domain

- Insufficient digital competencies and insufficient training capacity
- Fragmented landscape - insufficient connections between research communities and existing infrastructures, tools, services and experts
- Insufficient collaboration between disciplines across the domain which could facilitate the adoption of FAIR practices
- Lack of interoperability of data and of workflows: especially the 'I' and 'R' & need to integrate workflows to put FAIR into practice and bring data to 'life'
- Insufficient support for long-term preservation and sustained maintenance of software
- Insufficient computational reproducibility practices (e.g. implementation of provenance standards and agreement on level of detail)
- Lack of clarity and guidance about dealing with IP and legal issues

# Consortium organisation: governance

## Governance Board

*composed of contributing **members from all disciplines***

- Develops the consortium agreement
- Determines the priorities and **work programme**
- Ensures alignment with national digital research priorities and other thematic domains
- Guides the evaluation of project proposals

## Coordination Team

Supports the Board and implements the programme



Consortium  
Coordinator



Community  
Manager

# Consortium organisation: coordination team

## Coordination Team



**Consortium  
Coordinator**

- Represents the consortium
- Drives governance and membership discussions
- Structures the project portfolio and ensures alignment with the programme
- Liaises with infrastructure, tool and resource providers
- Oversees communication and online presence



**Community  
Manager**

- Identifies and liaises with community members
- Identifies community needs
- Maps the infrastructure, existing resources and tools
- Connects people from different disciplines and connecting them with infrastructure, resources and tools

# Bottleneck 'projects'

1. Community building and establishing online presence
2. Creating a Training Hub
3. Facilitating long-term software preservation and sustainability
4. Increasing interoperability and integrating tools and workflows for FAIR

*these will be complemented with more and targeted projects in the years following that together support a coherent work programme and foster collaboration*



# Questions

1. Do you agree there is a need for Thematic DCCs?  
Is the purpose of the TDCCs clear?
2. How would you prioritize the challenges?
  - a. Do you have additional challenges to suggest?
3. Do you have any remarks about the proposed organisation structure of the NES Thematic DCC?
4. How would you prioritize the bottleneck projects?
  - a. Do you have additional bottleneck projects to suggest?