3. Identifying scope of the DMC(s)

- Hypothetical Scenarios – 40 min

Exercise: Hypothetical infrastructure scenarios

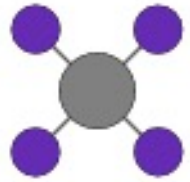
- Outcomes from a previous workshop suggest CIRM should consider a hub & spoke program architecture for data and systems management.
- The following framework to depicts ***only the degree of*** distributed DMC responsibilities; raw data generation (e.g. wet lab to dry lab) is assumed to be distributed as spokes to the DMC.

Shared with Sites

Tiered and Shared

Fully Centralized

Tiered Centralized

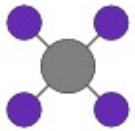


Exercise: Hypothetical infrastructure scenarios

Fully Centralized

All DMC functions are managed by a centralized DMC, its vendors or its assignees

Tiered Centralized



DMC functions are tiered, potentially by data type, and all responsibilities are managed by the DMC

Shared with Sites

Certain DMC functions (to be discussed) are managed by a centralized DMC and others are distributed to the sites that produce raw data, the "Data Generators"

Tiered and Shared

DMC functions are tiered, potentially by data type, and other responsibilities are managed by the Data Generators

Main functions considered

- CIRM conducted a poll with expert data infrastructure stakeholders (n=15)
- Poll responses to the questions were tallied for a DMC that *manages* certain program functions, without respect for who/what-entity will provide the service
- A super majority (66%) of responses, with no dissenting opinions (respondents did not mark “never”), suggest a DMC should manage the following:

• Schema/Metadata Specs • Data Releases	• Site Content • User Registration • User Support	• The Knowledge Platform • Systems & Data Security

- Most contested functions

• Data Generation • Data QC

Exercise: Hypothetical scenario 1

Shared with Sites

Central DMC

Labs/Sites

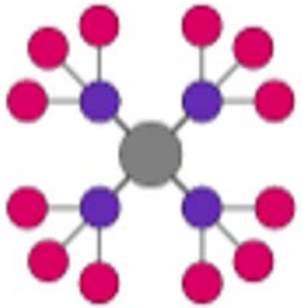
Specialized DMCs

PROS	CONS

Certain DMC functions (to be discussed) are managed by a centralized DMC and others are distributed to the sites that produce raw data, the "Data Generators"

Exercise: Hypothetical scenario 2

Tiered and Shared



Central DMC

Labs/Sites

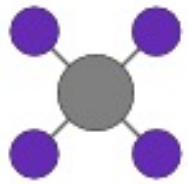
Specialized DMCs

PROS	CONS

DMC functions are tiered, potentially by data type, and other responsibilities are managed by the Data Generators

Exercise: Hypothetical scenario 3

Tiered Centralized



DMC functions are tiered, potentially by data type, and all responsibilities are managed by the DMC

PROS	CONS

Exercise: Hypothetical scenario 4

Fully Centralized

All DMC functions are managed by a centralized DMC, its vendors or its assignees

PROS	CONS