Concept of Operations: Introduction

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Concept of Operations Doc

- Available on OMIS wiki
- overall architecture for operations of GENI as a whole
- Comparison of models
  - central
  - completely distributed
  - “meta” operations
-

Concept of Operations Doc

- Important Task Areas for GENI Ops
  - data sharing: collecting data that would be useful for research from pieces of GENI infrastructure
  - facilitation of event notifications among aggregates
  - coordination of users and aggregates (when needed)
- What possible models are there?

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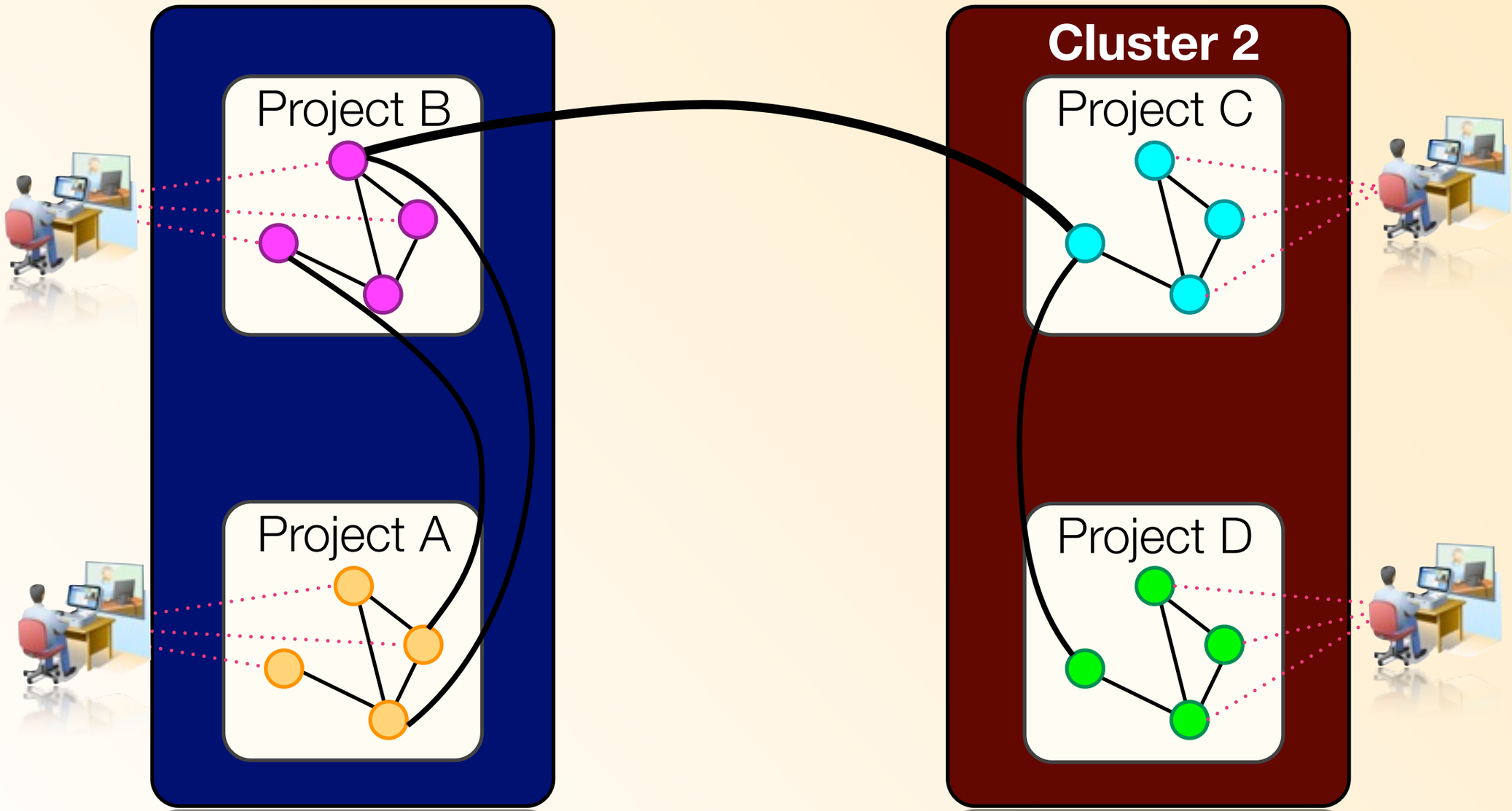
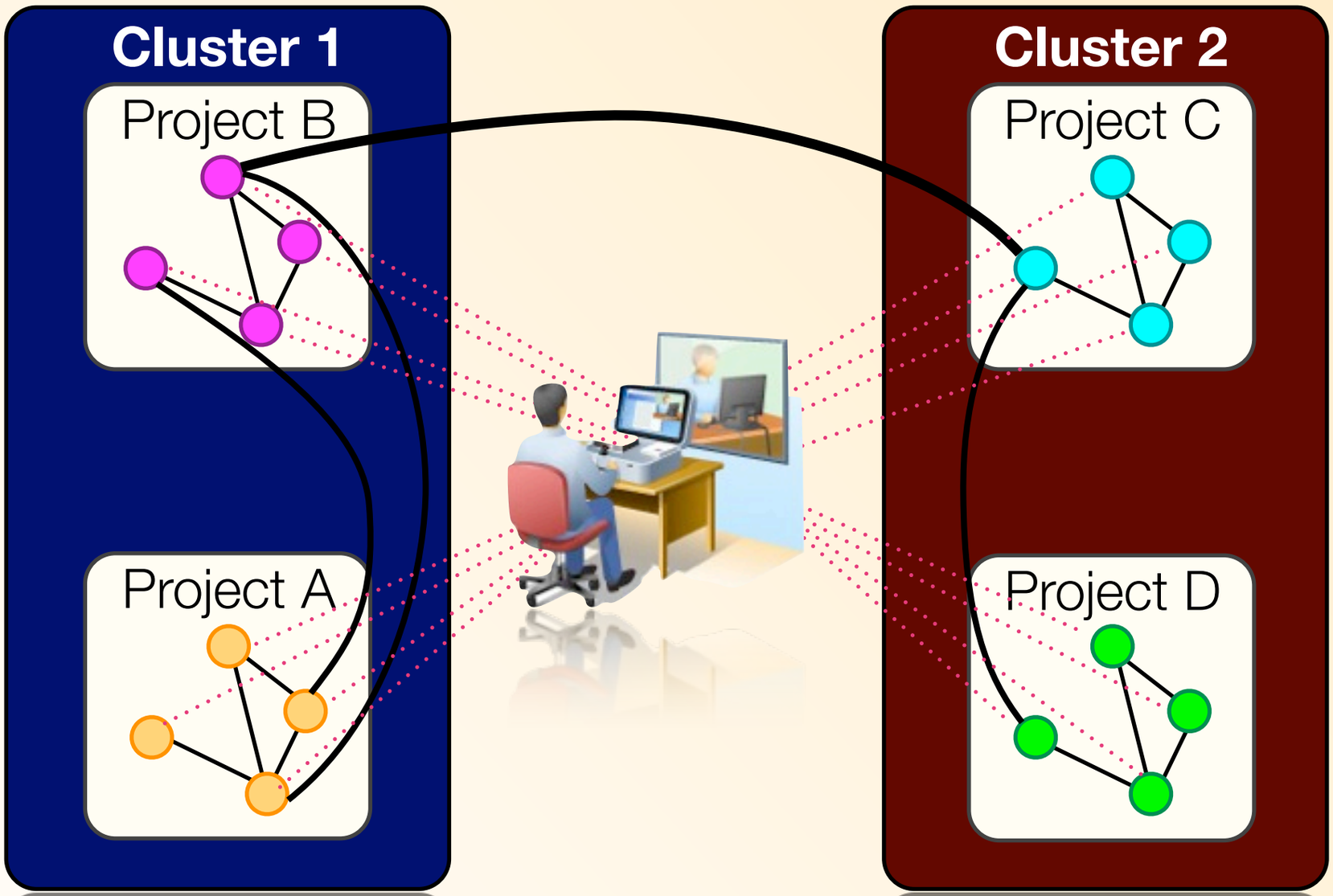
Option 1 - Completely Distributed



Option 2 - Centralized



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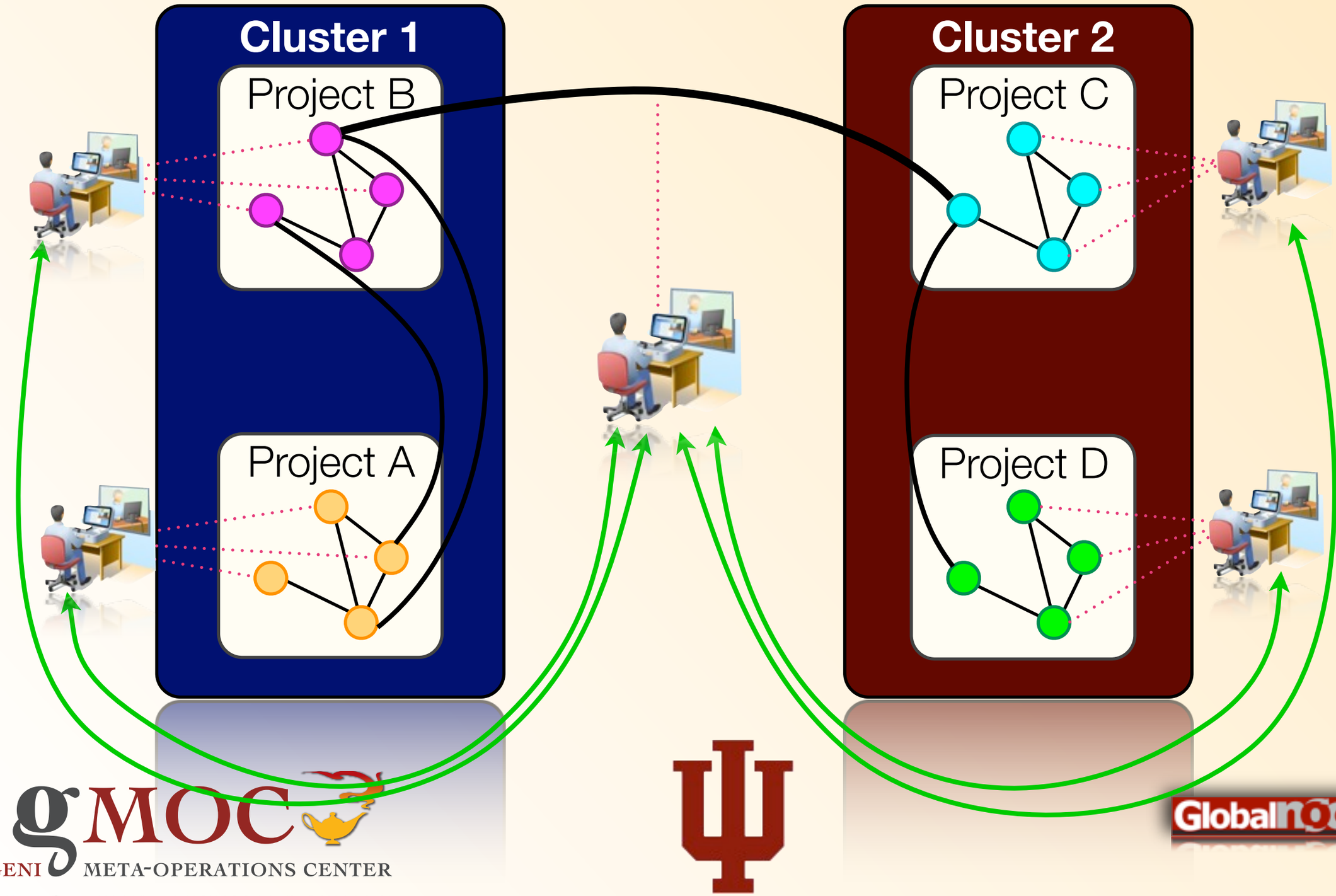
Option 3 - Meta-Operations



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Meta-operational tasks

- Specific Tasks for this organization would include:
  - Serve as the operational “front-door” for GENI operational requests
  - Direct problem reports to the appropriate GENI project operational contacts
  - Track GENI-wide issues
  - Provide a unified place to get operational data
  - Gather GENI-wide statistics and reporting on availability, usage, etc for GPO & other interested GENI stakeholders
  - Facilitate communication between multiple parties for complex problems that span multiple projects
  - Perform some GENI-wide operational duties such as emergency stop

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Tasks to get ready

- Agreement on:
  - classification on incidents/request types
  - policies on what operations aggregates will support and the timeframes for action when faced with different incidents/requests by category
  - mechanisms for authentication and authorization
  - determination of what data is public and private

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