E-iRODS Consortium

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Acknowledgements

- E-iRODS Development Team
- DICE and the iRODS Development Team
- RENCI staff
- RENCI/UNC Data Working Group
- Many people from the iRODS Community
- Max Planck Society
- Many willing advisors, HDF, Kerberos, UNC Legal,…

iRODS: Innovations in Data Management

- Virtualization of Distributed Data Collections

- Policy and metadata-based data management

- Distributed, highly flexible policy implementation

- Data object abstractions

- Implementation of data-lifecycle management

- Data management workflows

- *Many others, and more innovations coming…*

Innovations driving deployments

- Based on analysis of iRODS 3.1 downloads:

  - 39 countries from around the world
  - 10 US federal agencies
  - 16 companies, small and large in multiple sectors
  - 62 academic institutions in the US
  - 5 health-specific institutions

- NSF-sponsored prototype for a US national data infrastructure

- Data sharing prototype between US and Europe

Challenges with Open-Source, Research-funded Technology

Great for:

       Driving Innovation

       Crowd-Sourcing Technology

       Early Adopters

Less than ideal for:

       Users with Mission-Critical Deployments

       Later-stage Adopters

       Turn-key solutions

       Producing 'CIO' ready software
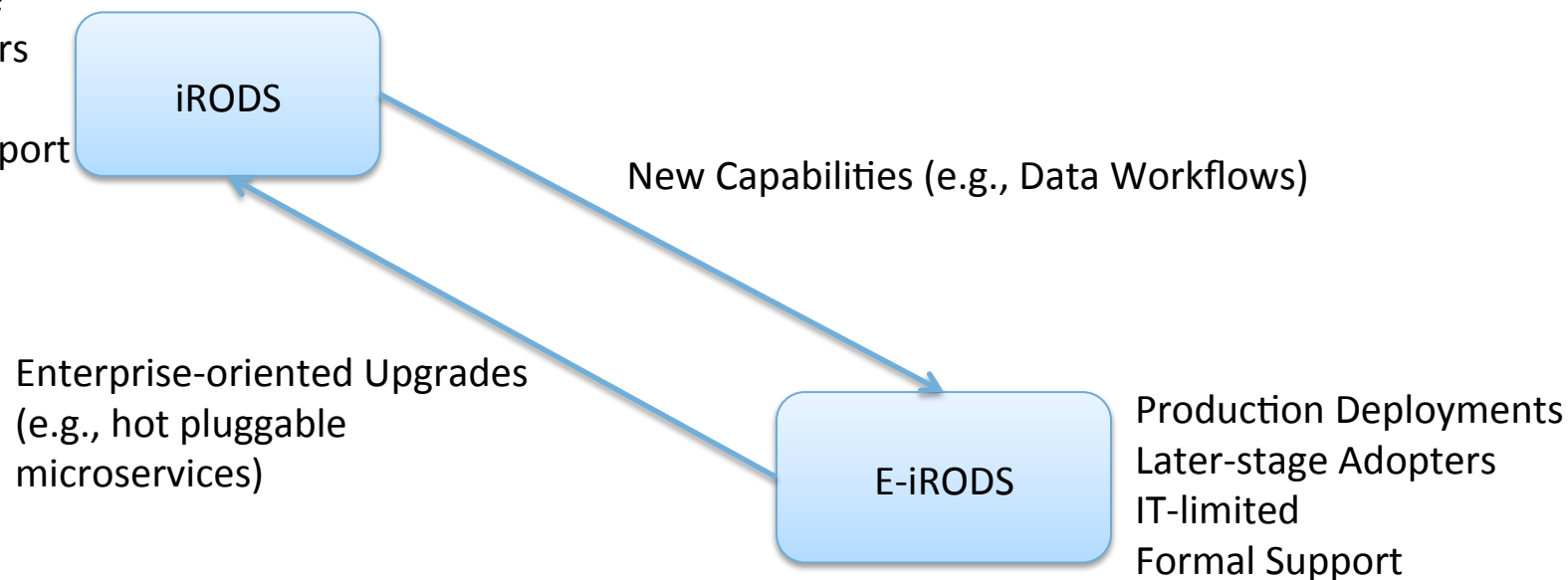
Addressing Challenges

Expanded iRODS Offerings to sustain iRODS long-term

E-iRODS: branch and distribution of iRODS geared towards production deployments.

E-iRODS Consortium: organization aimed at the needs of a growing number of iRODS users, resellers, integrators, and partners.

E-iRODS: An Enterprise Distribution of iRODS

Leading Edge
Early Adopters
IT-capable
Informal Support

iRODS

New Capabilities (e.g., Data Workflows)

Enterprise-oriented Upgrades
(e.g., hot pluggable
microservices)

E-iRODS

Production Deployments
Later-stage Adopters
IT-limited
Formal Support

E-iRODS Consortium

- New membership-based organization
  - iRODS users, adopters, resellers, integrators, partners
  - Focused on E-iRODS distributions

- To be formed in early 2013, founders include:
  - RENCI
  - DICE
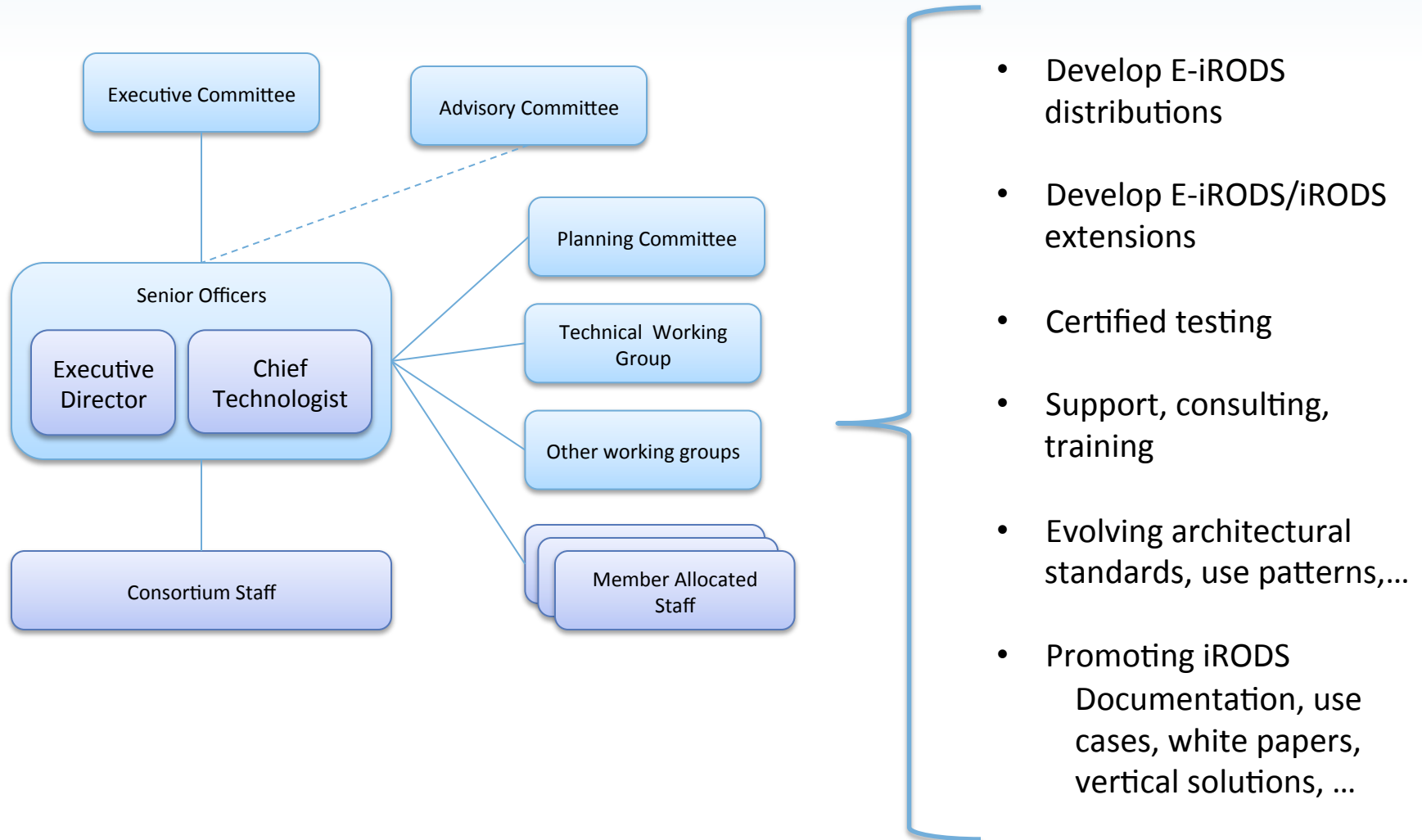 - Members of Max Planck Society

Why an E-iRODS Consortium?

- _Advance iRODS as a broadly-adopted CyberInfrastructure_

  - Sustaining iRODS outside of research funding

  - Develop and manage strategic partnerships with industry and other groups

  - Focus iRODS-based solutions on production deployments

  - Take over growing support needs, allowing R&D to be R&D

Why an E-iRODS Consortium?

- _Protect investments of members_
  - determine E-iRODS development, test, and distribution roadmaps
  - determine architectural standards, interfaces, and best practices

- _Provide support for members_
  - General support, consulting, contracting, and training
  - From Consortium staff and other members

- _Establish a solution ecosystem_
  - Marketplace of open & proprietary certified extensions, solution providers, and users
  - Promote & distribute vertical solutions

Consortium Structure

- Develop E-iRODS distributions

- Develop E-iRODS/iRODS extensions

- Certified testing

- Support, consulting, training

- Evolving architectural standards, use patterns,...

- Promoting iRODS Documentation, use cases, white papers, vertical solutions, ...

Membership Benefits

- *Sustaining Members:*
    - Votes on the governance board
    - Greatest level of free support and prioritized support
    - Founders: RENCI, DICE, members of the Max Planck Society

- *Professional Members:*
    - Votes on software release roadmaps
    - Intermediate level of free and prioritized support
    - Professional benefits: marketing, events, hosting, contracts, targeting of vertical solutions, …

- *General Members:*
    - Seat at the table on roadmaps, working groups, …
    - Basic level of free and prioritized support

Moving forward…

- Currently finalizing Consortium as an operating entity

- Accepting new members in early 2013.

<u>We welcome you input on how the Consortium can serve members</u>