Open Research Cloud Declaration
Boston, MA
May 11-12, 2017

Tentative Workshop Agenda:

Day 1 (May 11th – Hynes Convention Center):

08.00-08.30:	**Arrival and Coffee**
08:30-08.40:	**Welcome and Overview of Purposes**
08:40-09:15:	**Participant Introductions and Interests**
09.15-12:30:	**Current and Ongoing Federation Initiatives**

Presentations and Moderated Discussion

09.15-11:15 **Community Perspectives Panel** (120 minutes)
Initiatives: Arizona Open Compute; OpenNebula; NSF-Cloud (JetStream, CloudLab, Chameleon); EGI; CERN; MassOpenCloud; Nectar
> *Coverage: Objectives of Shared Scientific Research Clouds and obstacles to effective sharing and interoperability (including identity federation, data sharing, cost recovery, security, networking, access and workflow prioritization)*

11.15-11:50 **Funding Agency Perspectives Panel** (40 minutes)
Agencies: NIST, NSF/NIH/DoE, EU-Horizon2020, APAC
> *Coverage: Funding agency objectives and practical obstacles to effective sharing and interoperability*

11.50-12.30 **Industry Perspectives Panel** (40 minutes)
Companies: Cisco, Microsoft, AWS, Google, IBM
> *Coverage: Industry facilitation, perspectives on current efforts and practical obstacles to bursting and to hybrid open compute enablement*

12.30 to 13.00:	**Lunch break**
13.00 to 17.15:	**Policy and Technical Requirements**

Presentations and Moderated Discussion

13.00-14.20 **Data Sharing and Mobility** (80 minutes)
Dataverse, ICN/NDN, National Data Service (US), Australian Research Data Services, SDN Overlay (US, GEANT and Australia)
> *Coverage: the evolving sources and characteristics of data; Data Access and Portability, including data federation, mobility, data networking*

14.20-15.00 **Identity Federation** (40 minutes)
Internet2 (TEIR/InCommon), eduGAIN, AARC
> *Coverage: Identity, Authorized Access, including identity federation, authorized use, monitoring and reporting.*

15.00 to 15.15:	**Break**

15.15-17.15 **Shared Use, Workflows, Obstacles and Incentives** (120 minutes)
> *Coverage:*
> ***Shared Use**, including resource federation, cost sharing, business facilitation, interoperability and shared use policy;*
> ***Workload Mobility**, including containerization, secure multi-tenancy,*

metadata standards and management. *Images (tools, access, interoperability/ portability of images).*
Reproducibility and repeatability of research, supporting this area in a cloud agnostic manner.
Scheduling, Provisioning and the Management of Workloads – how can we use SDN in developing resource reservations between and among clouds. Financial issues, incentives for resource sharing.

17.15 to 17.45: Summarizing what we have learned and first draft of consensus position. Next Steps - Initial draft of declaration

BREAK for general participants until dinner at 19.30

19.30: **Dinner** (location TBD)

Day 2 (May 12th - at MIT Stata Center):
08.00-08.30: **Arrival and Coffee**
08.30-09.00: **Moderator summaries** from Day 1
09:00-09:30 **Security, Support and Governance** (30 minutes)
Coverage: Security Considerations (digital rights management, IP protection, privacy, etc.); Support and collaboration among research facilitators; Governance and Evolution of Commitments
09.30-Noon: **Driving to Consensus** (Open Discussion of declaration areas/content)
Proposed. Topics will be modified based on Day 1 discussions
        Data Federation; Identity Federation; Shared Use, Business Facilitation and Workflows; Security, Support and Governance
Noon-12:30: **Lunch**
12:30-13.30: **Initial Drafting of the Declarations**
13.00-13.30: **Agreement on Next Steps** (leadership/participation roles/commitments).
13.30-17:00: **Spillover slot:** Follow-up for those interested in continuing the discussion