



## MAGIC Meeting Minutes

May 4, 2016

### Attendees

Shantenu JaDan Katz	U Illinois
Padma Krishnaswami	FCC
Krishnan	LBL
Miron Livny	Un of Wisconsin
Paul Love	NCO
Peter Lyster	NCO
Grant Miller	NCO
Don Riley	U. Maryland
Derek Simmel	PSC
Frank Wuerthwein	SDSC

### Action Items

#### Proceedings

This MAGIC meeting was coordinated by Grant Miller of the NCO. Frank Wuerthwein, Executive Director of the Open Science Grid (OSG) gave a presentation on the status and capabilities of the OSG.

#### Open Science Grid (OSG): Frank Wuerthwein

OSG provides an infrastructure, resources, and collaboration space for science collaborations worldwide. It was developed over the last 10 years and provides a critical resource for many large science cooperations including the LHC, LIGO, and bioinformatics applications. Last year it provided 1 billion hours of computation for 200 million science jobs and it provided 100million hours over the last 30 days. OSG, over the last year also supported 1.5 billion data transfers to move 223 Petabytes of data. OSG federated 114 compute clusters to provide this capability.

OSG creates a uniform environment across a heterogeneous set of resources that are distributed globally. Applications are submitted locally and run globally. OSG seamlessly supports computing across different resources including national supercomputers, collaboration clusters, nationally shared clusters, and commercial cloud resources. OSG manages the allocation, sharing, and purchasing for these resources.

OSG is open to providers at all scales, user communities at all scales, and any business model. OSG-Connect hosts service on OSG hardware. OSG cluster in a box manages services on hardware placed inside campus DMZs. OSG-CE provides software for campuses to instantiate and operate services.

OSG use has increased steadily over the last 10 years with a significant increase in 2015 due to the start of the LHC, Run 2. Most OSG resources are used in support of LHC, but increasingly other applications are being supported (~34% of the OSG hours). Non-physics uses constitute ~20% of OSG hours. Non-LHC users include non-LHC particle physics, nuclear physics, LIGO, IceCube at the South Pole, Alpha Magnetic Spectrometer on the Space Station, and SGrid (Science gateway across the NSF). In 2015 OSG supported 91 projects across 81 institutions.

#### Next MAGIC Meeting

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June 1, 2016, 2:00-4:00 Eastern, NSF Room TBD