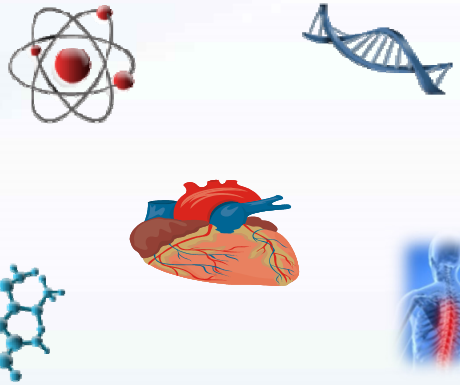
OGF36
Hyatt Regency Chicago
Chicago, IL USA
October 8-10, 2012

OGF36 Schedule is available here



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GIN Update Session

Grid Interoperation Now (GIN) - CG

Morris Riedel, Juelich Supercomputing Centre, GIN Co-Chair
Steve Crouch, University of Southampton, GIN Co-Chair

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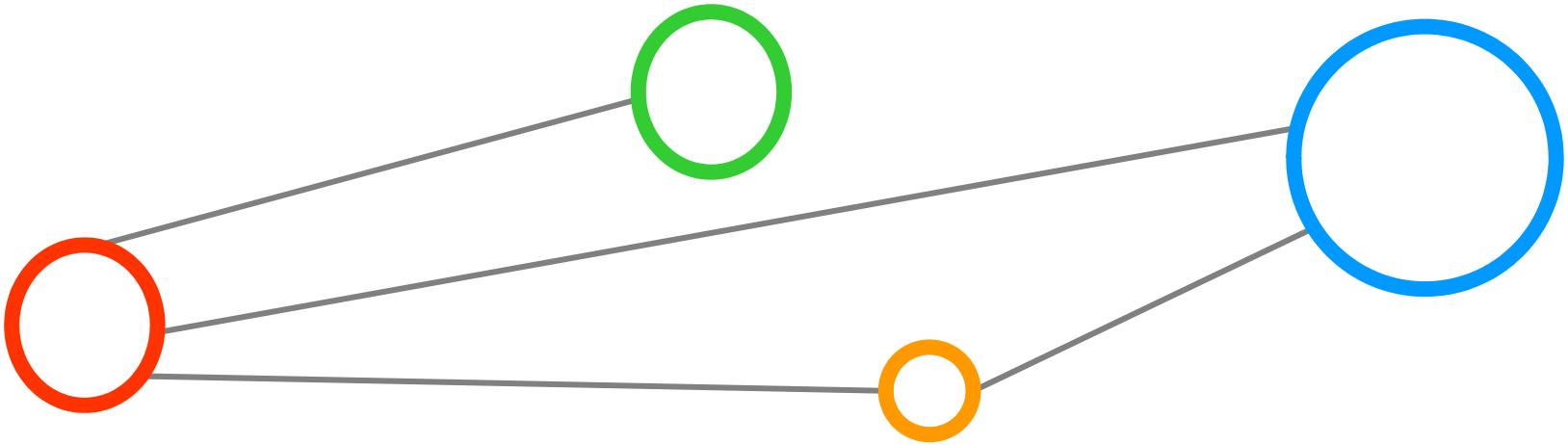
Outline



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Outline

- GIN Status Checks
  - GIN & e-Science, RedMine, News, etc.
- Experiences from e-Science Production
  - JSDL parameter sweeps (S.Memon/S.Holl)
- Interoperability Demonstrations
  - BES interoperability: IGE, EMI, FutureGrid (S. Crouch)
- Science Gateways Interoperability Update
  - CHAIN interoperability work (G. Andronico/R. Barbera)
- Preparations for SC12
- AOB

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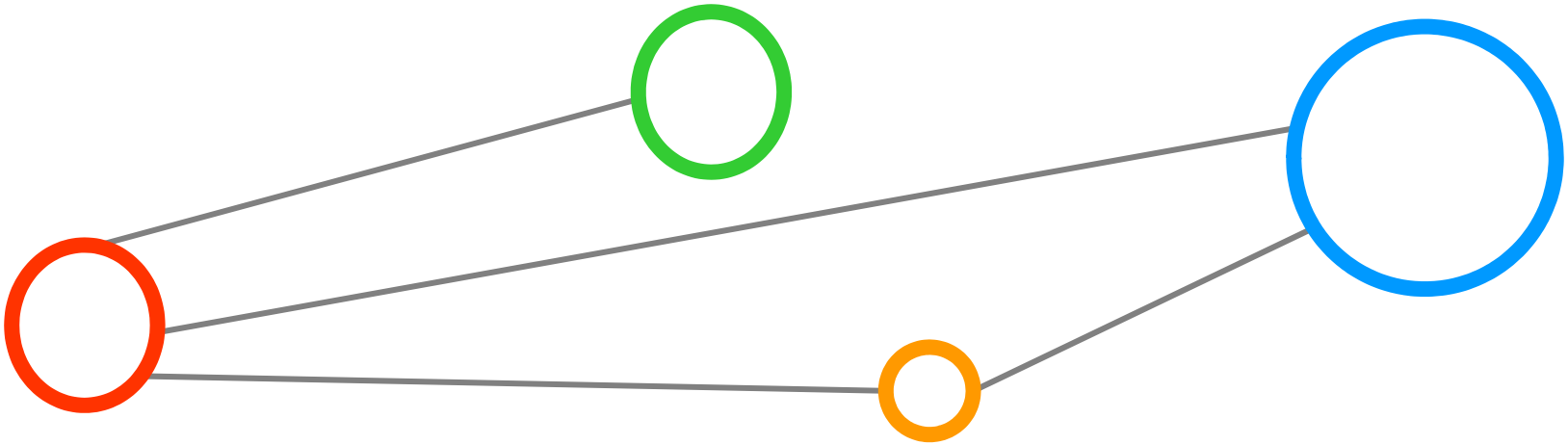
GIN Status Checks



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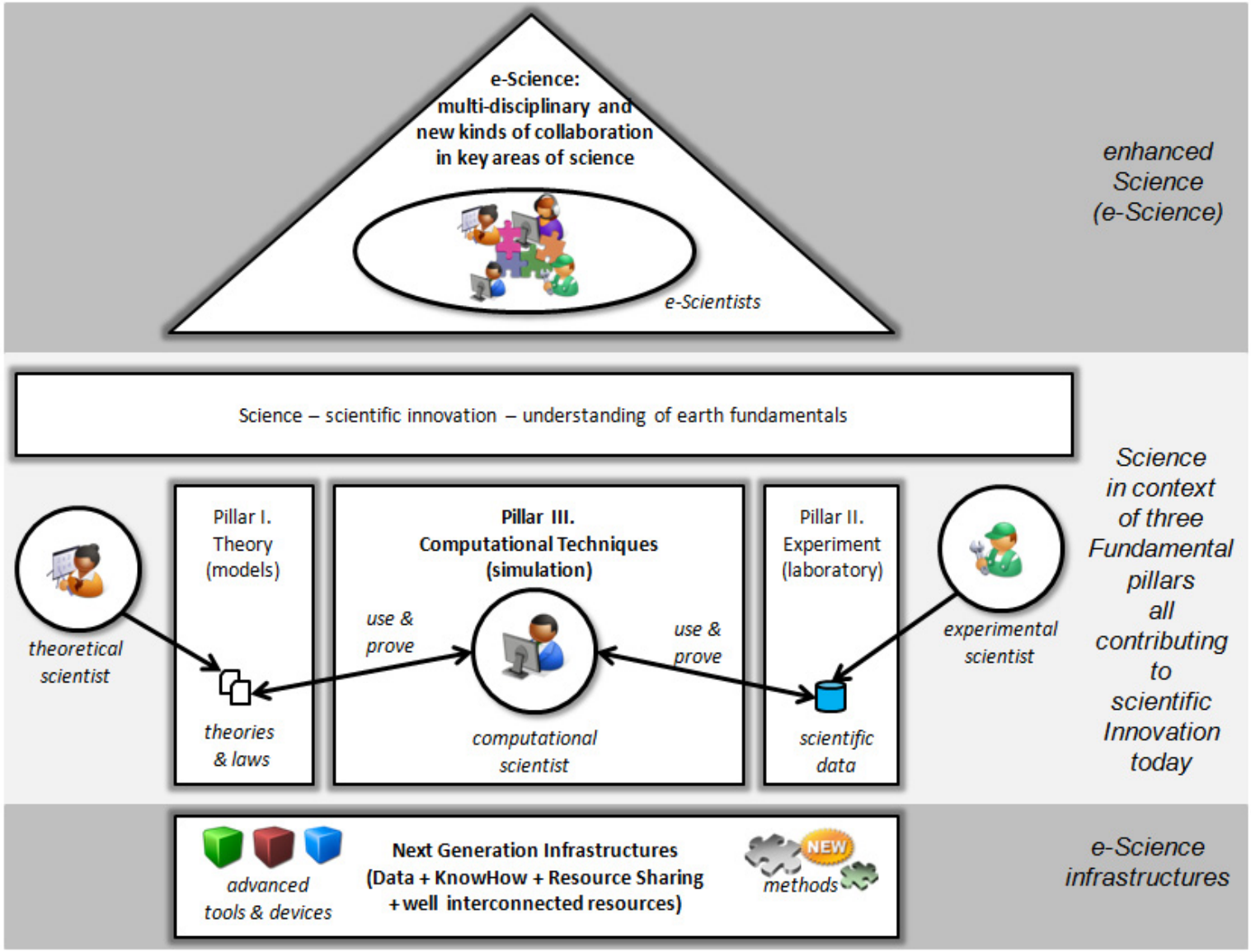
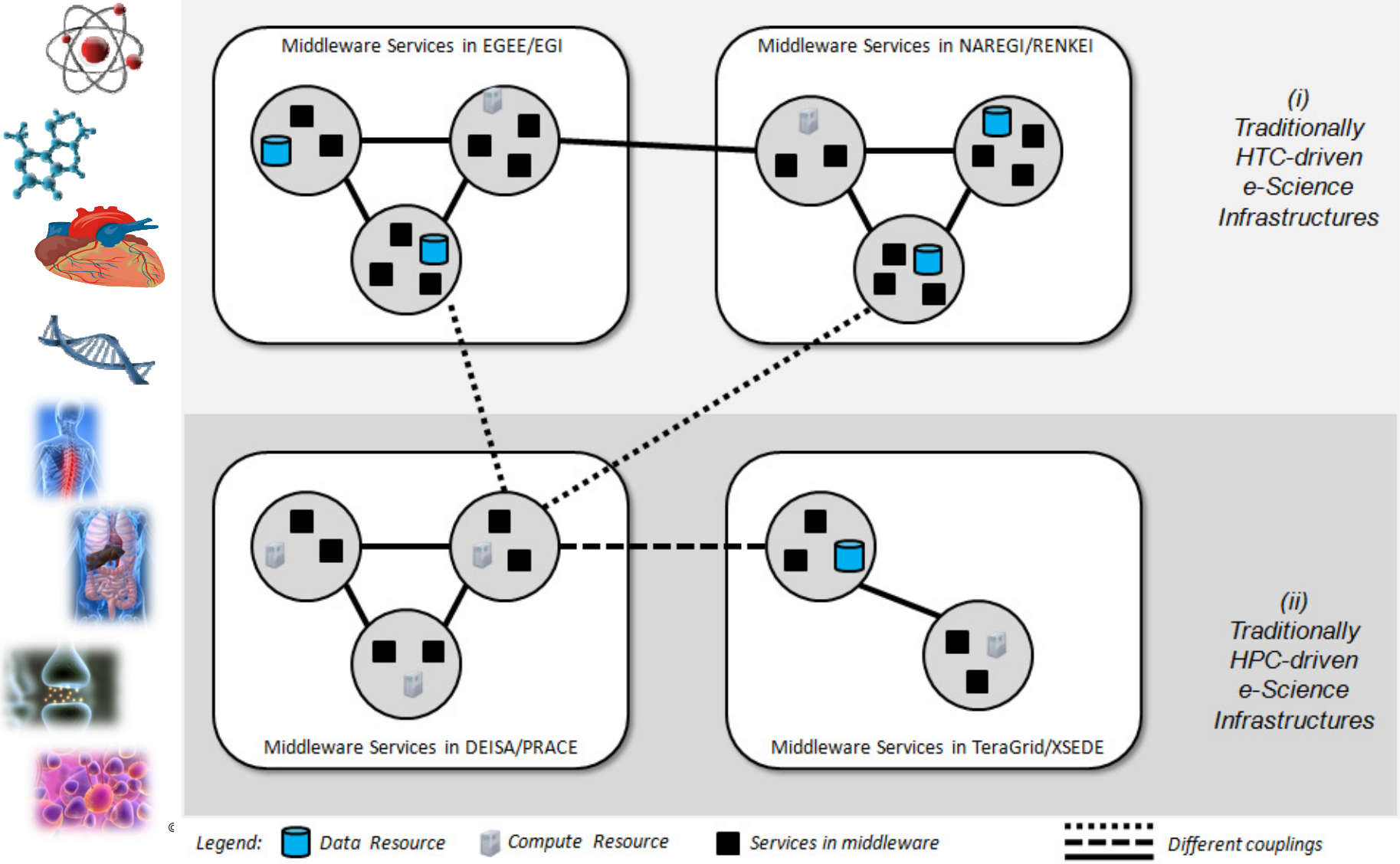
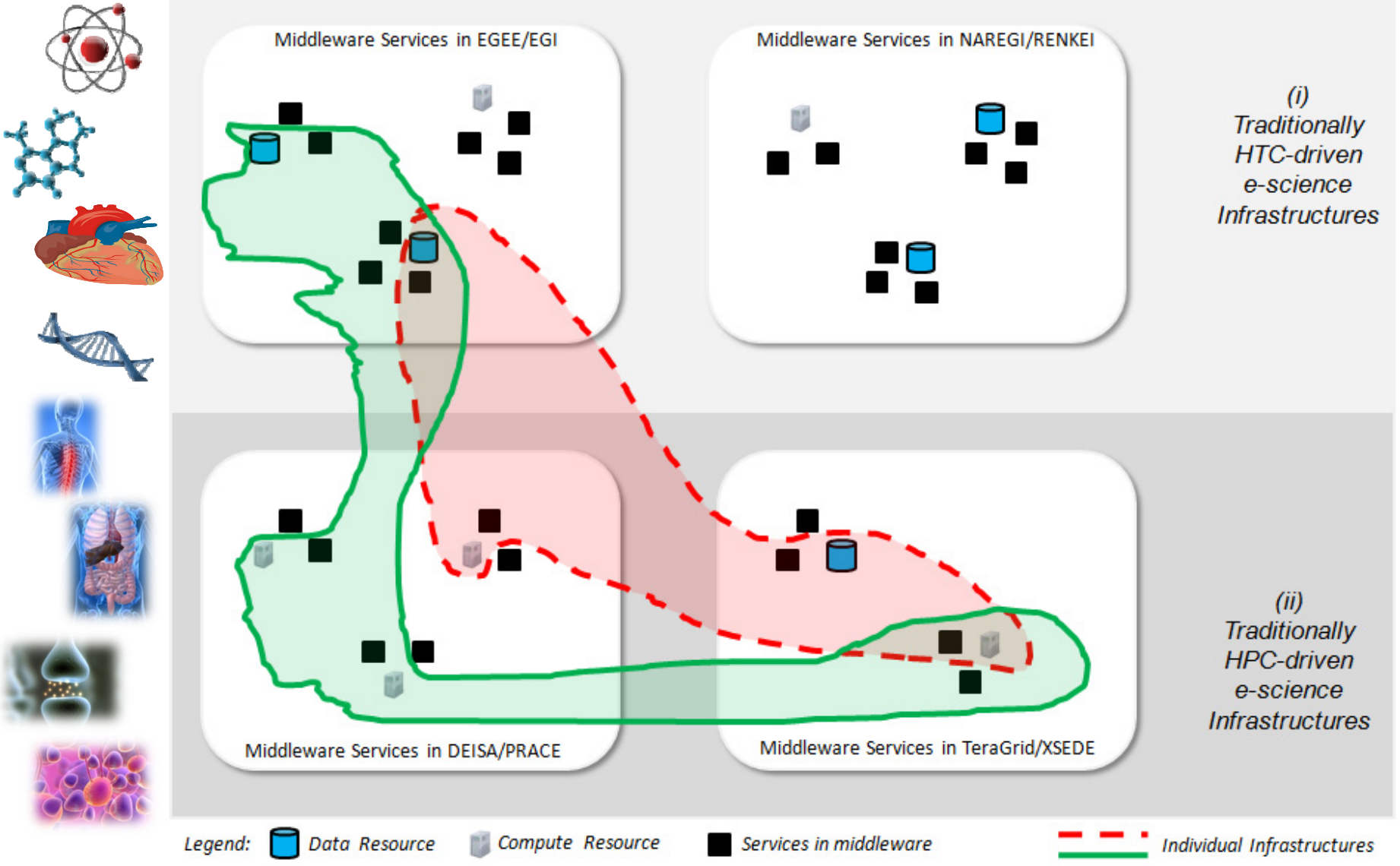
GIN - Scientific Applications!



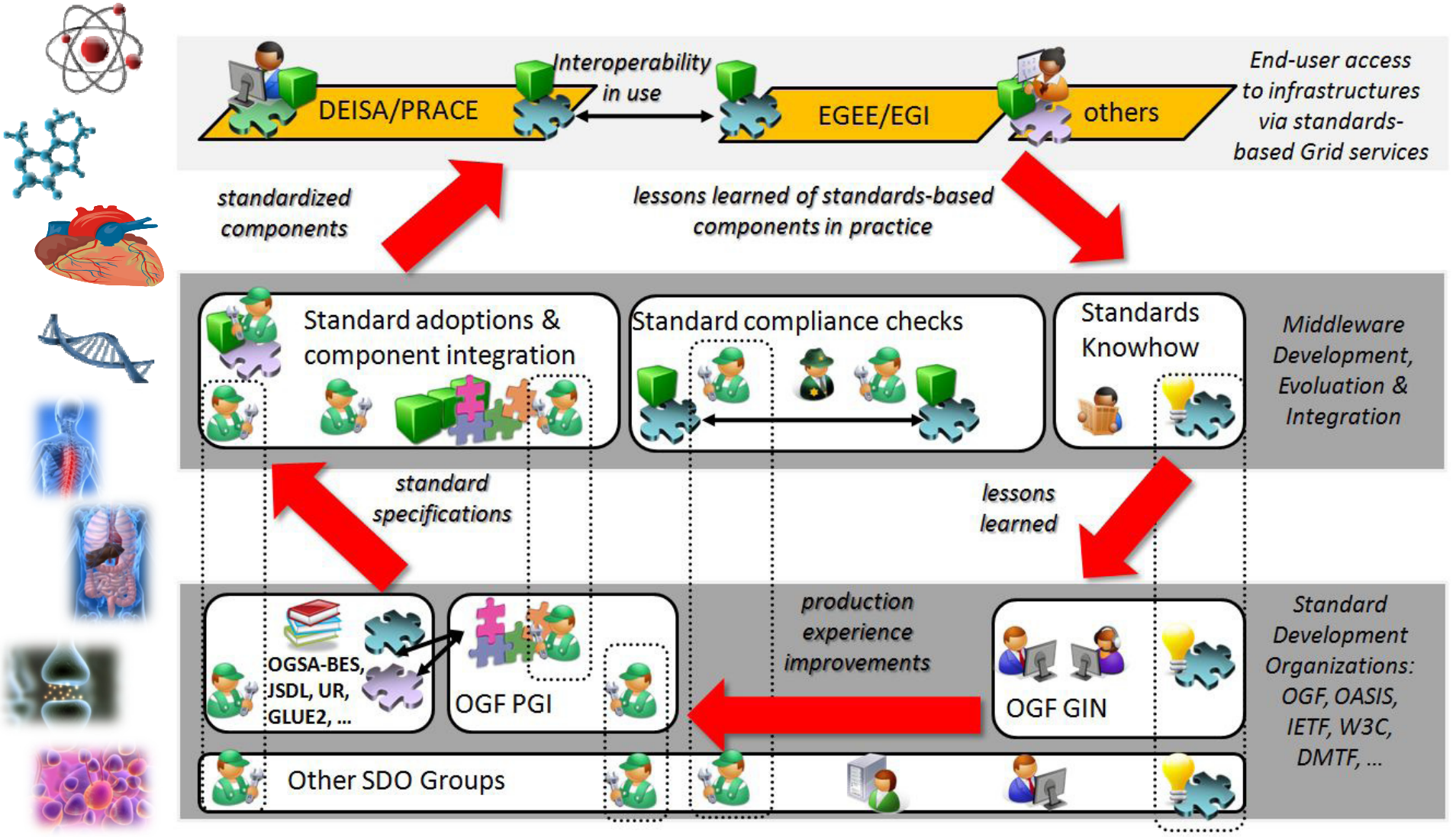
GIN Challenges



GIN Vision

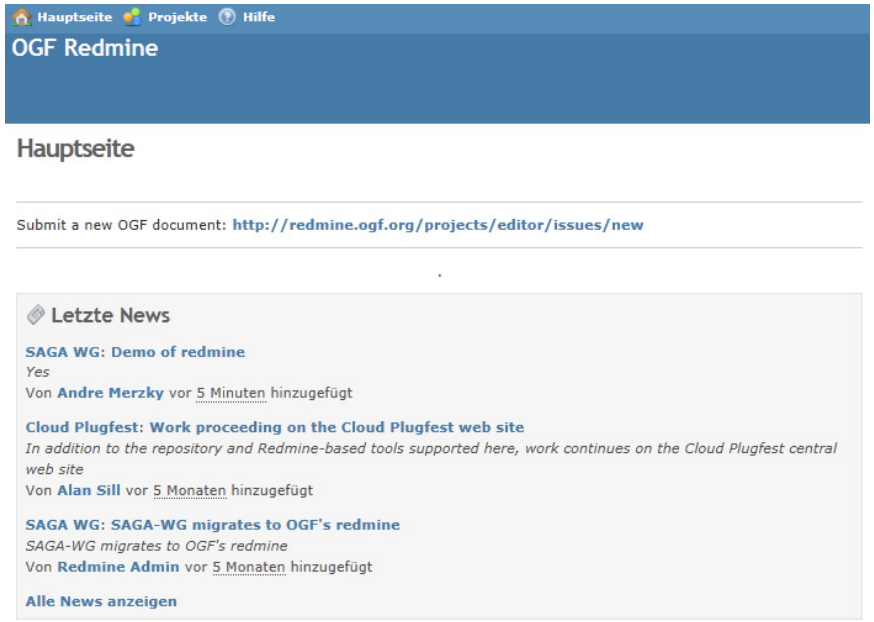

Middleware Services in EGEE/EGI
Middleware Services in NAREGI/RENKEI
(i) Traditionally HTC-driven e-science Infrastructures
Middleware Services in DEISA/PRACE
Middleware Services in TeraGrid/XSEDE
(ii) Traditionally HPC-driven e-science Infrastructures
Legend:
Data Resource
Compute Resource
Services in middleware
Individual Infrastructures

GIN 101: Standards Feedback



RedMine Transfer

- OGF moved away from GridForge
  - RedMine is new
  - http://redmine.ogf.org
  - Initial page exists



- Derived Task Activities:
  - Identify material that can be removed (wiki!)
  - Transfer rest of ‘approved’ material
  - Update plans and charter documents

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Register: GIN Members!

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Update: XSEDE&PRACE Call

- **'PRACE and XSEDE call for Expressions of Interest for Joint Access by International Teams'**
- Several proposals have been submitted: Also from GIN community members
- Interoperation between XSEDE & PRACE used by applications/tools in practice
- Reference:
  - http://www.prace-ri.eu/PRACE-XSEDE-EoI?lang=en

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Update: XSEDE&PRACE Call

PRACE and XSEDE call for Expressions of Interest for Joint Access by International Teams

Wednesday 18 July 2012

The Partnership for Advanced Computing in Europe (PRACE) and the National Science Foundation-funded Extreme Science and Engineering Discovery Environment (XSEDE) team up to foster collaborations among U.S. and European scientists and engineers.

PRACE and XSEDE issued a joint call for Expressions of Interest (EoI): U.S. and European researchers who wish to work together using PRACE and XSEDE resources and services to advance scientific discoveries are invited to reply.

"XSEDE and PRACE have been collaborating for several years, most visibly with the joint summer school series," said John Towns, XSEDE principal investigator and project director. "This call for Expressions of Interest is a precursor to supporting science and engineering collaborations in an unprecedented way."

"We are looking forward to receiving feedback on the needs and expectations from the user communities of the major HPC infrastructures on both sides of the Atlantic," adds Maria Ramalho, Managing Director of PRACE.

Expressions of Interest should be submitted to prace-xsede@prace-ri.eu or prace-xsede@xsede.org before 15 September 2012.

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Update: Townhall OGF36

- ***Feedback: 'OGF needs to communicate better the added-value for OGF&standards for science and infrastructure providers'***

- GIN needs to work with others in OGF urgently on this feedback
  - Many aspects known - but not written down
  - Suggestion: Special GIN track in next OGFs
  - E.g. 'Added-value of Interoperability'

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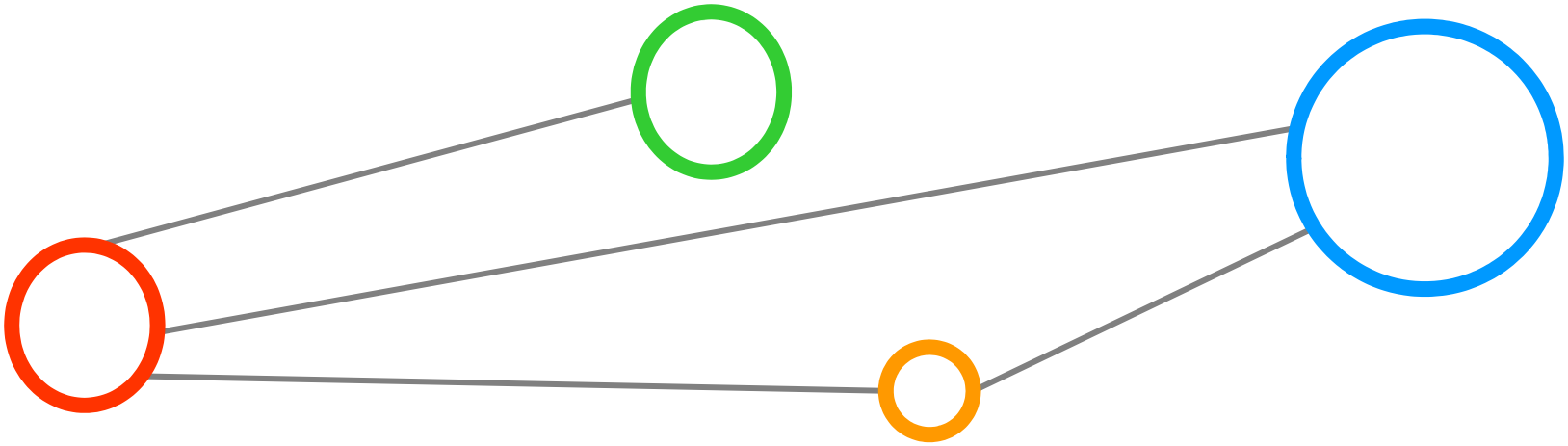
Speakers



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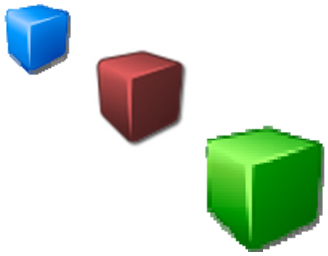
Session Talks & Speakers

1. Experiences from e-Science Production
   - JSDL parameter sweeps (S.Memon/S.Holl)
2. Interoperability Demonstrations
   - BES/JSDL interoperability: IGE & EMI (S. Crouch)
3. Science Gateways Interoperability Update
   - CHAIN interoperability work
     (M. Riedel on behalf of G. Andronico/R. Barbera)



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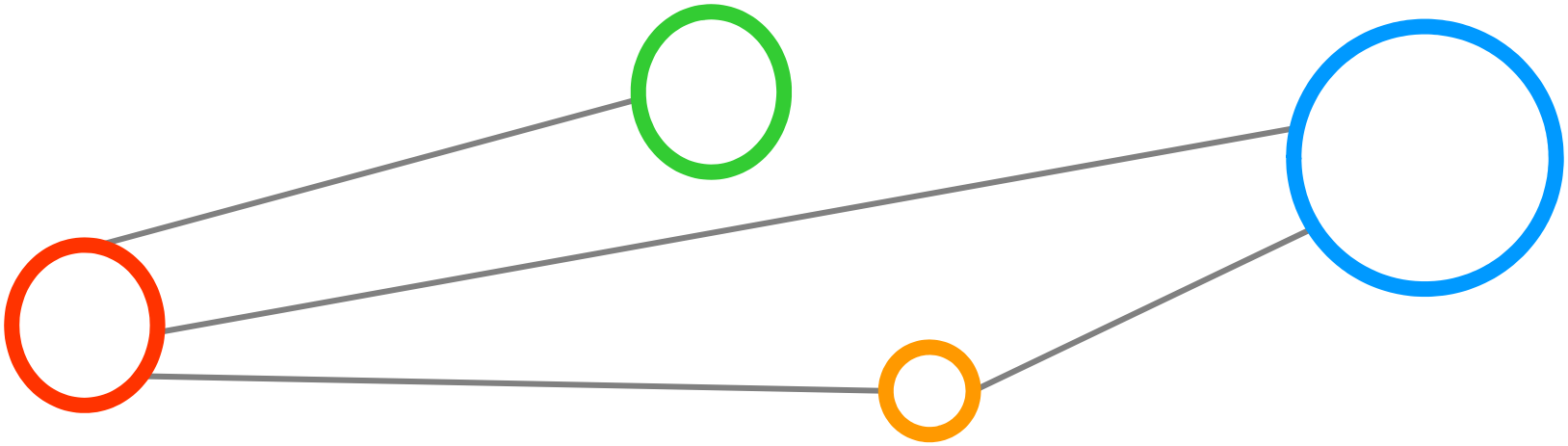
Supercomputing 2012 Demos



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Continue GIN Tradition…

- Supercomputing 2012 Conference

- Participation?
  - M. Riedel (JSC booth), OTHERS?
- Demo Plans?
  - Fusion science with Kepler/BES (Riedel)
  - IGE/EMI BES interoperability (Crouch)

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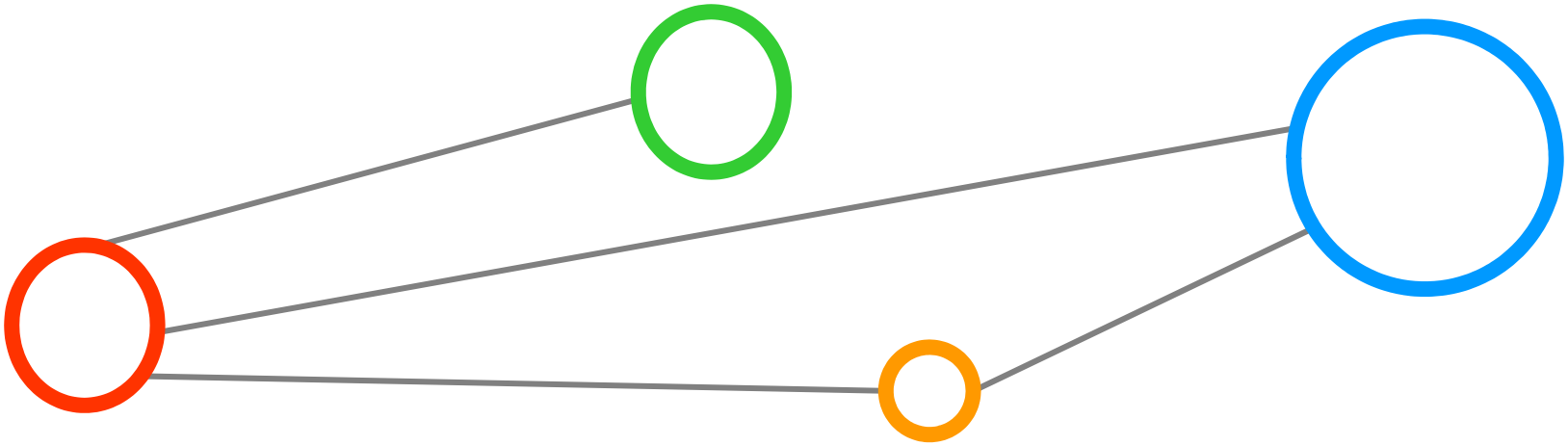
AOB



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AOB: Notes

- File-Staging in computational science
  - Extending existing demos
- Parameter sweep interop demo
  - Genesis and UNICORE?
  - Sonja and Taverna workflow
  - UVA: users use parameter sweeps
  - DORII – parameter sweep reference

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