

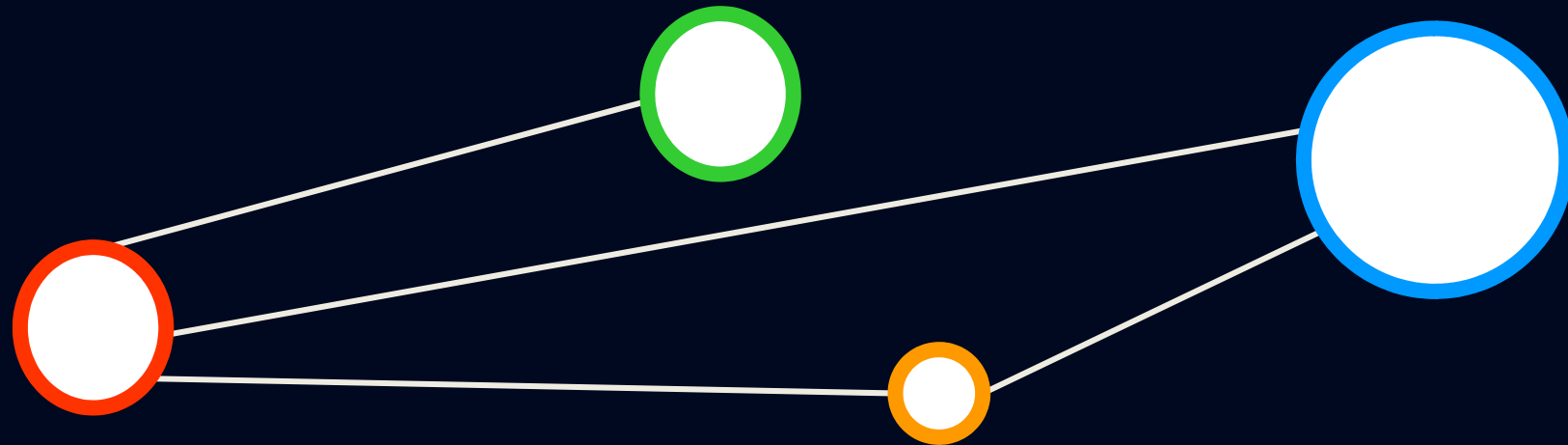


# European Middleware Initiative (EMI) – JRA1 Session

Morris (JUELICH)

JRA1 Leader / Deputy TD

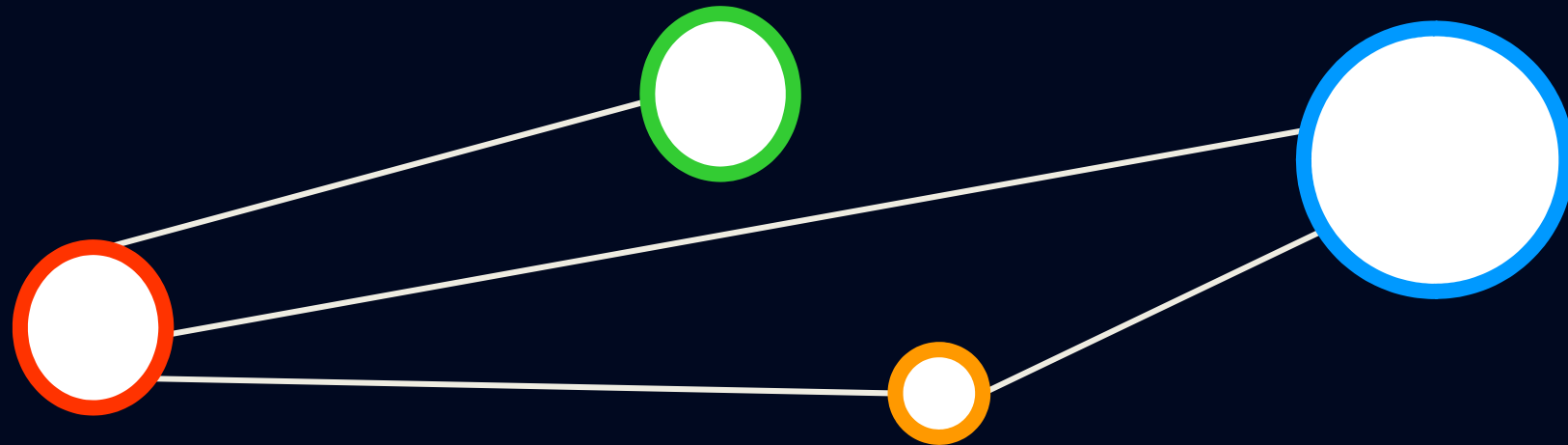
# Agenda



# Agenda

- Presentations by the area leaders
  - Identification of TBD (= To Be Done) items to progress
  - Area and WP leader will review TBD items
- Infrastructure (James)
- Compute (Massimo)
- Data (Patrick)
- Security (John)

# Infrastructure Area



# Infrastructure Area - TBD

- TBD: Sub-area leaders... ?
- TBD: Products that are part of product teams
- TBD: Contacts for product teams
- TBD: Contacts for main services
- TBD: How realistic are the standards landscape for all the services?
- TBD: Questions from James
- TBD: Mailing Lists & Documents
- TBD: Filling timesheets...
- TBD: Storage accounting (Data area) → Who → Patrick?
- TBD: Clouds/Virtualization → later in the project → When
- TBD: Nagios, Common interface (probes?) → Exact means/well defined?

# Infrastructure Area - TBD

- TBD: Messaging as baseline infrastructure → needs to be clearly defined then
- TBD: SA1: overlaps
- TBD: OSG dependency mentioned by Patrick
- TBD: Configuration standardization / unified logging files / configurations → Integration area, maybe even packaging aspects, yaim

# Infrastructure Area - PTS

- Sub-areas rather than pt's
- Information Services
  - Laurence Field (CERN) → Info PT (BDII+GLUE)
  - Shiraz Memon (JUELICH) → CIS+GLUE PT
  - Ivan (Balazs) (NIIF) → Information Service PT
  - Antony (STFC) → SAGA Service Discovery PT
  - Bernd (JUELICH) → UNICORE Service Registry PT
- Messaging
- Service Monitoring and Management
- Logging and Bookkeeping
- Accounting
- Virtualization and Clouds

# Infrastructure Area - PTS

- Sub-areas rather than pt's
- Information Services
- Messaging (low level tools)
  - Lionel (CERN) → (ActiveMQ Messaging PT)
  - Redhat link (Morris/Balazs), other messaging systems
  - TBD: unidirectional information flow? Bi-directional?
  - TBD: plan/roadmap, work with use cases → realistic/acceptance for services  
→ late year 1 maybe late, consumer identification, start from what exist
  - Not MW aligned yet, but Questionnaire per area (Lionel)
- Service Monitoring and Management
- Logging and Bookkeeping
- Accounting
- Virtualization and Clouds
  - Later



# Infrastructure Area - PTS

- Sub-areas rather than pt's
- Information Services
- Messaging (low level tools)
- Service Monitoring and Management
  - Control of services, etc.
  - Redhat Link (Morris/Balazs)
  - Nagios monitoring
  - TBD: Integration work dependency
  - TBD: Who is unclear? → Partners/efforts
  - TBD: Roadmap/plan unclear
- Logging and Bookkeeping
- Accounting
- Virtualization and Clouds
  - Later

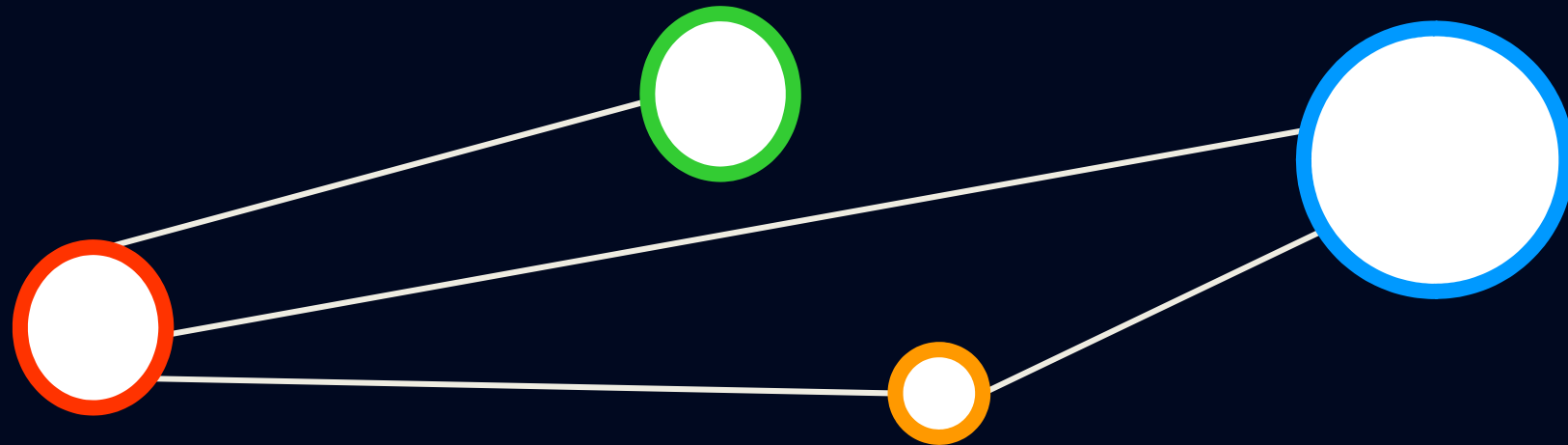
# Infrastructure Area - PTS

- Sub-areas rather than pt's
- Information Services
- Messaging (low level tools)
- Service Monitoring and Management
- Logging and Bookkeeping
  - Zdenek Schuster → gLite LB System PT
  - TBD: plan, MW coverage/integration?
- Accounting
  - Long discussion about client/service accounting → only client side?
  - Andrea (INFN) → gLite DGAS PT
  - Geoils (STFC) → APEL PT
  - TBD: Accounting hooks / roadmap (Oslo, Adrian)
- Virtualization and Clouds → Later

# Infrastructure Area - PTS

- Sub-areas rather than pt's
- Information Services
- Messaging (low level tools)
- Service Monitoring and Management
- Logging and Bookkeeping
- Accounting
- Virtualization and Clouds
  - CPH
  - JUELICH
  - INFN

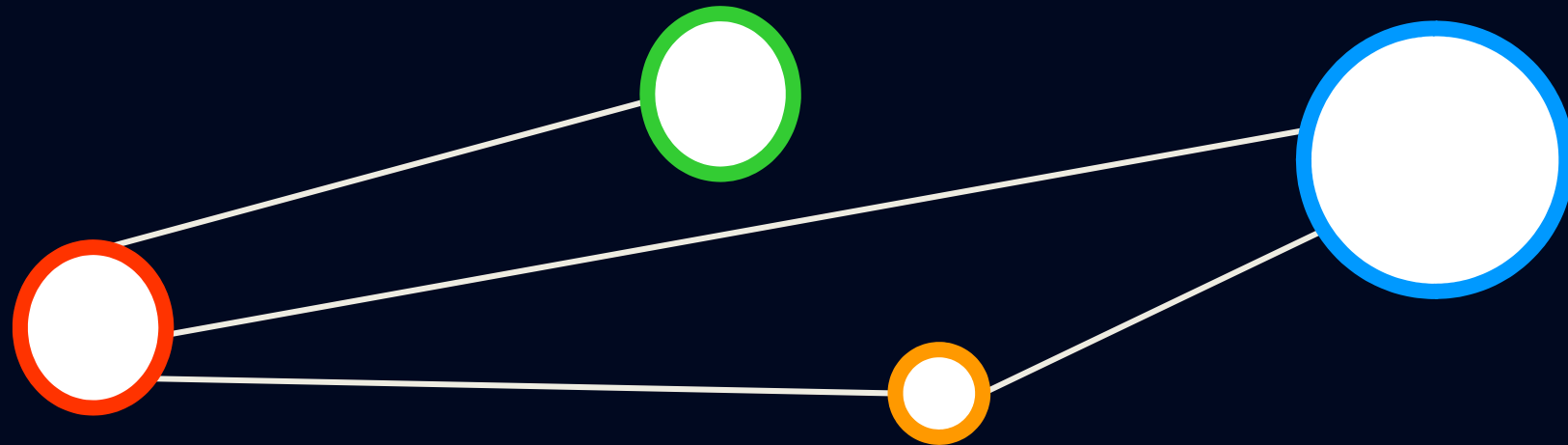
# Compute Area



# Compute Area - TBDs

- TBD: Sub-mailing list for JRA-Compute
- TBD: Sub-areas: CEs/Standards, Common clients, MPI, others?
- TBD: Links between JRA1/SA1
- TBD: Partners contacts (e.g. CSIC/MPI)
- TBD: Product teams of UNICORE/ARC → who?
  - TBD: Balazs → List of ARC
  - TBD: Morris → List of UNICORE
- TBD: Alignment with Francesco / SA1 PTs
- TBD: More transparency for PTs / a general list for the whole project...
- TBD: Clarification statement SA1/JRA1  
(peaks, inform PEB/PTB )
- TBD: Standardization Roadmap overlaps with compute
- TBD: Common clients and APIs
- TBD: Links between accounting/security → integration area
- Portlets: low priority

# Data Area



# Data Area - TBDs

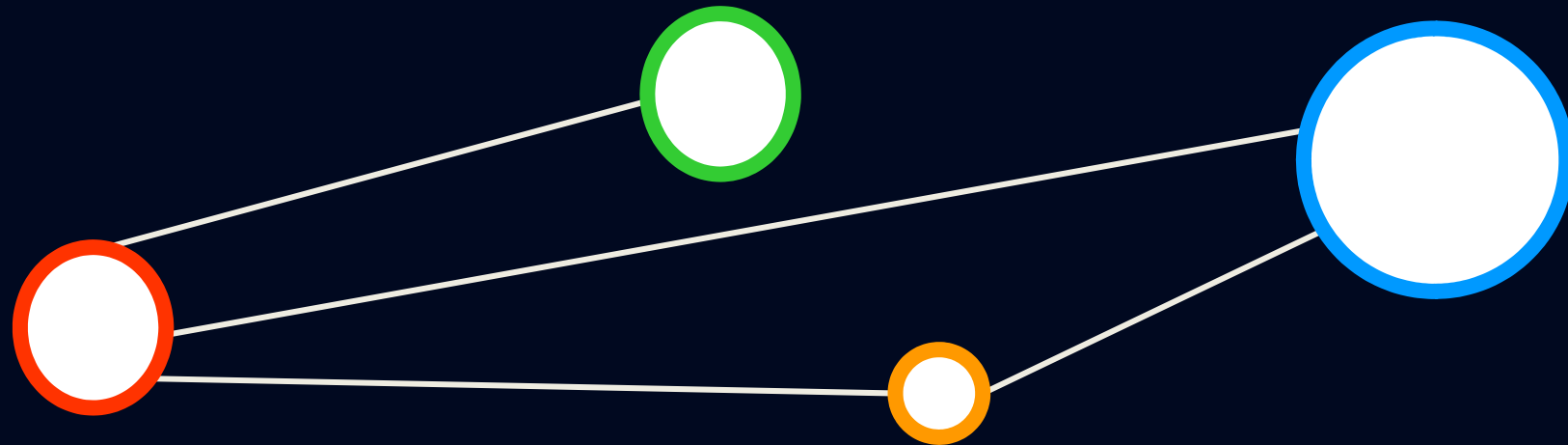
- Progress: Very well so far, with workshop, contacts established
- TBD: Mailing lists
- Q Patrick: Sub areas – what do you think?
- A Patrick: OGF is not everything! SNIA is fully ok!
- TBD: Product Teams not completely defined yet
  - Access layer
- Partners clear and contacts established
  - TBD: Helsinki partner? → HU
- TBD: Common template/slide-set → NA2 currently works on this in parallel
- TBD: integration work between data / security / delegation and GSI → integration area, e.g. SRMCopy needs it

# Data Area - TBDs

- TBD: prioritization of user requirements coming in beyond the MCB in emi, another EMI prioritization
- TBD: Different file catalogues apart from LFC ('dump content')
- TBD: Maybe use messaging for 'constant' information exchange → integration area
  - Integrating LFC (product) into SE not an option
- TBD: Catalogue meeting? How getting the 'right folks' involved
- TBD: Testing infrastructure?
- TBD: Don't know the PM split between the different JRA1 activities yet.
- Clarification: UNICORE involvements not duplicate particular SEs, but focuses on getting access to various SEs
- TBD: Security / Data - ARGUS → Integration areas
- TBD: Storage Management in ARC → not much in EMI, but already some deployments have to be checked
- TBD: Storage Accounting → Follow-up / infrastructure area



# Security Area



# Security Area - TBDs

- Good progress, workshop, etc.
- Product Teams seem to be clear and contacts established, SA1
  - A little bit unclear is SAML/AUTHN since they are not exactly products
- TBD: Document management system
- TBD: IGE project security contact
- TBD: Requirements EGI, granularity → Markus Follow-up
- UNICORE SAML profile as starting point for a 'standards-based solution'
- TBD: ARGUS: add ARC, UNICORE contacts
- TBD: Single sign-on, DCI needs, establishing contact!



**Thank you**

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