



# European Middleware Initiative (EMI) – JRA1 Session Summary

Morris (JUELICH)

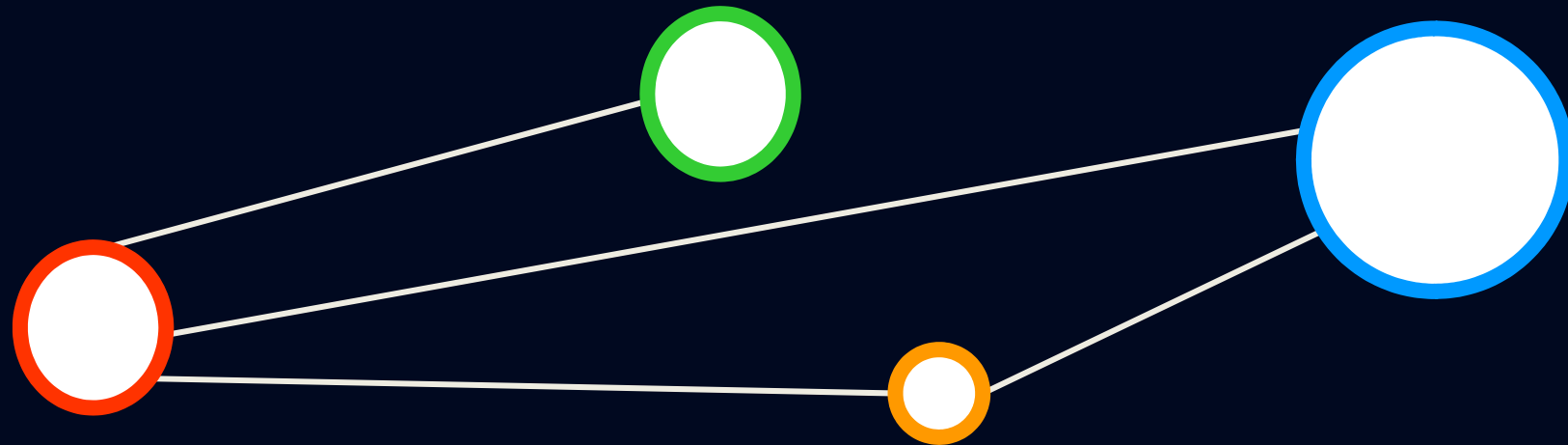
JRA1 Leader / Deputy TD

# Agenda

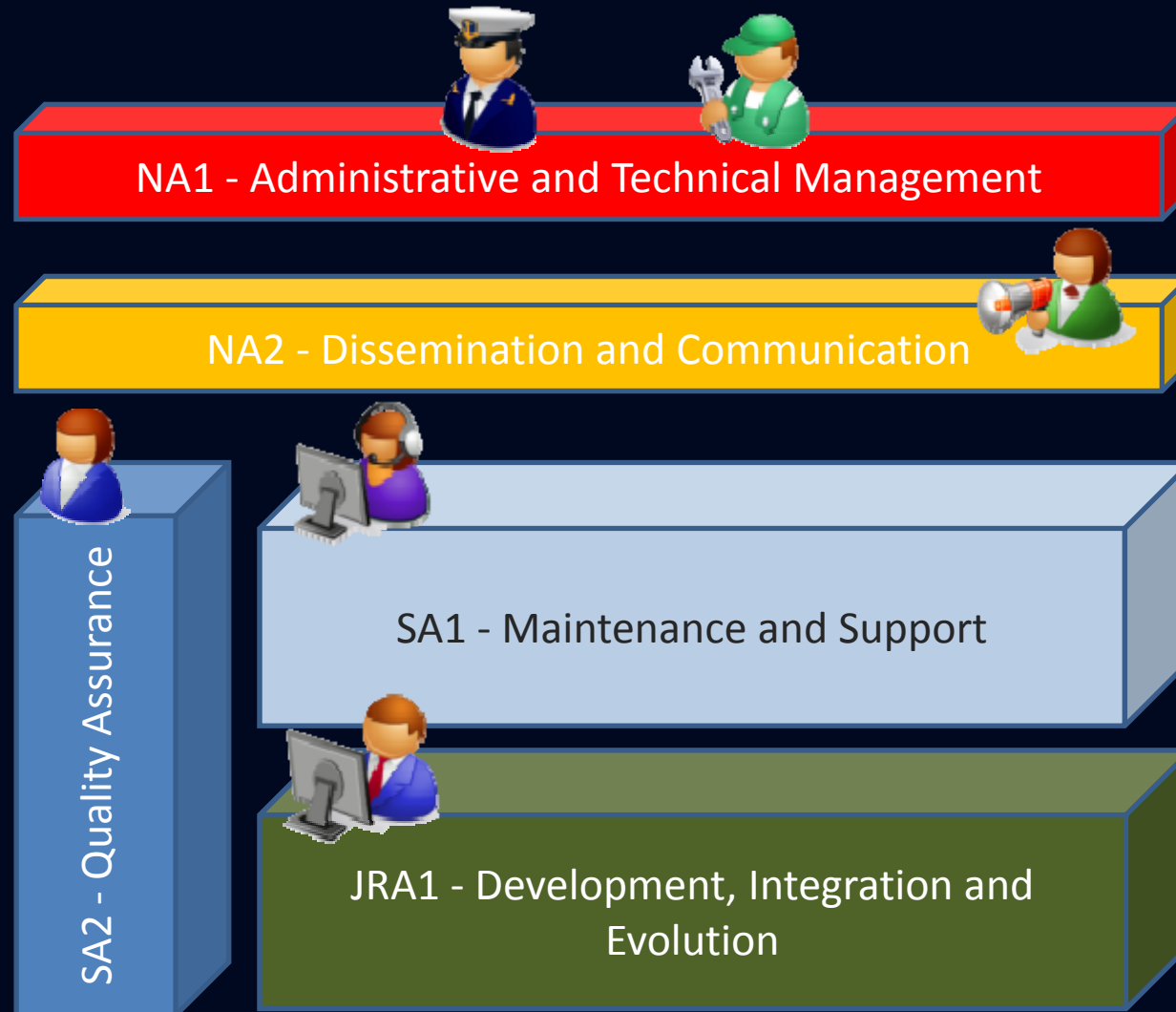
- JRA1 Overview
  - Technical Areas, Product Teams, Tasks
- JRA1 Kick-off Session
  - Presentations & TBDs, Outcome
- Plan for the First Quarter
  - Next Steps, Milestones, Deliverables
- AOB



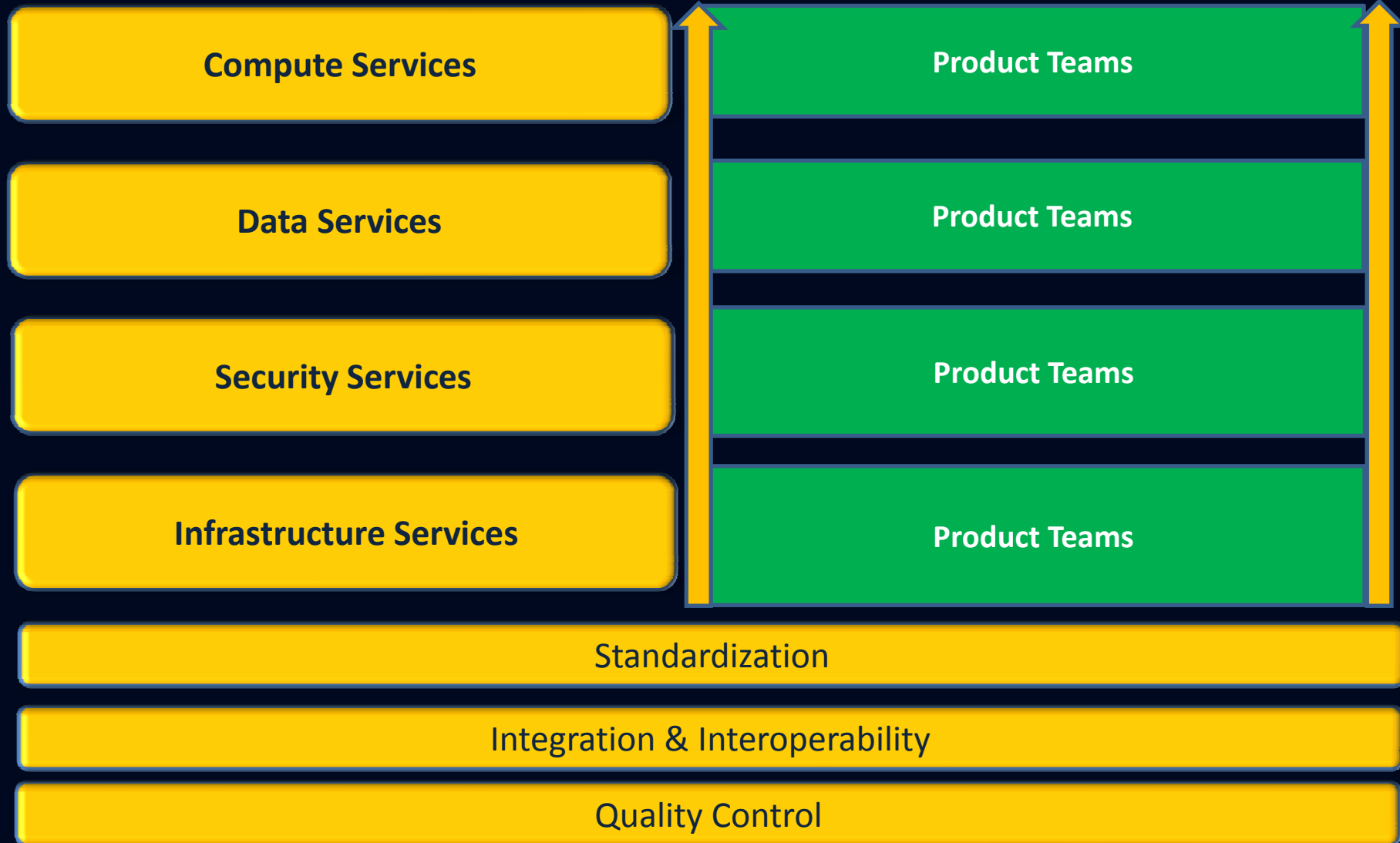
# JRA1 Overview



# JRA1 in Context



# Four major Technical Areas



# Technical Areas mapped to Tasks

## Compute Services

JRA1.2 – Definition and Implementation of the Compute Area Work Plan (Task leader: INFN. Participants: CESGA, CINECA, CSIC, JUELICH, GRNET, NIIFI, UCPH, UIO, UU, UWAR)

## Data Services

JRA1.3 – Definition and Implementation of the Data Area Work Plan (Task leader: DESY. Participants: CERN, CINECA, JUELICH, INFN, NIIFI, TUD, UH, UIO, KISTI)

## Security Services

JRA1.4 – Definition and Implementation of the Security Area Work Plan (Task leader: UH. Participants: CESNET, FOM, JUELICH, GRNET, INFN, SWITCH, UIO, UU, UWAR)

## Infrastructure Services

JRA1.5 – Definition and Implementation of the Infrastructure Area Work Plan (Task leader: CERN. Participants: CESNET, JUELICH, INFN, LU, NIIFI, STFC, UWAR, ASGC)

# Complementary Tasks

JRA1.1 – Work Package Coordination (Task leader: JUELICH, all partners to contribute to meetings and reviews)

## Standardization

JRA1.6 – Standardization (Task leader: UIO. Participants: CERN, DESY, JUELICH, INFN, LU)

## Integration & Interoperability

JRA1.7 – Integration and Interoperability (Task leader: JUELICH. Participants: CERN, CESNET, CINECA, DESY, INFN, GRNET, LU, NIIFI, UIO, UU, UCPH)

This task consists in the continuous verification of the integration of the EMI services and components, their respect of the agreed interfaces and of the agreed common dependencies. It also includes the definition and verification of the interoperability criteria within the EMI services stack and with external systems. The main success criteria of this task are the successful hand over of integrated sets of components to SA1 for further inclusion in the EMI releases and the verified interoperability with the external systems foreseen in the Technical Development Plan.



## Quality Control

JRA1.8 – Quality Control (Task leader: INFN, all partners participates to the continuous QC procedures as part of the development tasks)

This task consists in the application of QA processes and procedures defined by SA2. All EMI components need to satisfy well-defined certification and validation criteria before being handed over to SA1 to be released and become part of a stable EMI distribution. The main success criterion of this task is the availability of an appropriate level of unit, functional and standard compliance tests for all EMI components and services.



# Task Leaders & Contacts (1)



- JRA1.2 – Compute Area Work Plan
  - Massimo Sgaravatto (INFN)
  - Contact: [massimo.sgaravatto@pd.infn.it](mailto:massimo.sgaravatto@pd.infn.it)
- JRA1.3 – Data Area Work Plan
  - Patrick Fuhrmann (DESY)
  - Contact: [patrick.fuhrmann@desy.de](mailto:patrick.fuhrmann@desy.de)
- JRA1.4 – Security Area Work Plan
  - John White (UH)
  - Contact: [John.White@cern.ch](mailto:John.White@cern.ch)
- JRA1.5 – Infrastructure Area Work Plan
  - James Casey (CERN)
  - Contact: [James.Casey@cern.ch](mailto:James.Casey@cern.ch)

**Compute Services**

**Data Services**

**Security Services**

**Infrastructure Services**



# Task Leaders & Contacts (2)



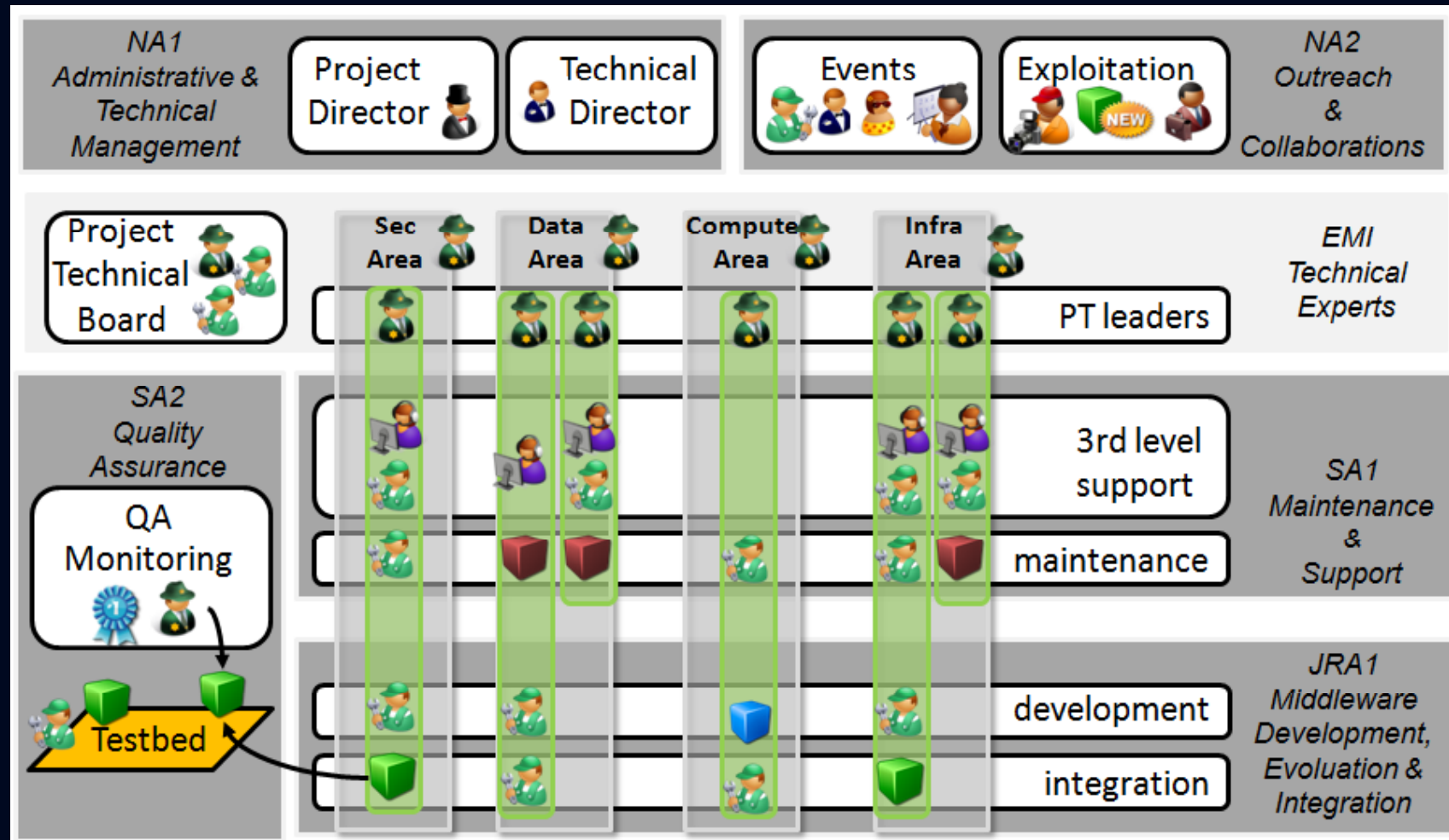
- JRA1.1 – Work package coordination
  - Morris Riedel (JUELICH)
  - Contact: [m.riedel@fz-juelich.de](mailto:m.riedel@fz-juelich.de)
- JRA1.6 – Standardization
  - Aleksandr Konstantinov
  - Contact: [const@takas.it](mailto:const@takas.it)
- JRA1.7 – Integration and Interoperability
  - Morris Riedel (JUELICH)
  - Contact: [m.riedel@fz-juelich.de](mailto:m.riedel@fz-juelich.de)
- JRA1.8 – Quality Control
  - Andrea Ceccanti (INFN)
  - Contact: [andrea.ceccanti@cnaf.infn.it](mailto:andrea.ceccanti@cnaf.infn.it)

Standardization

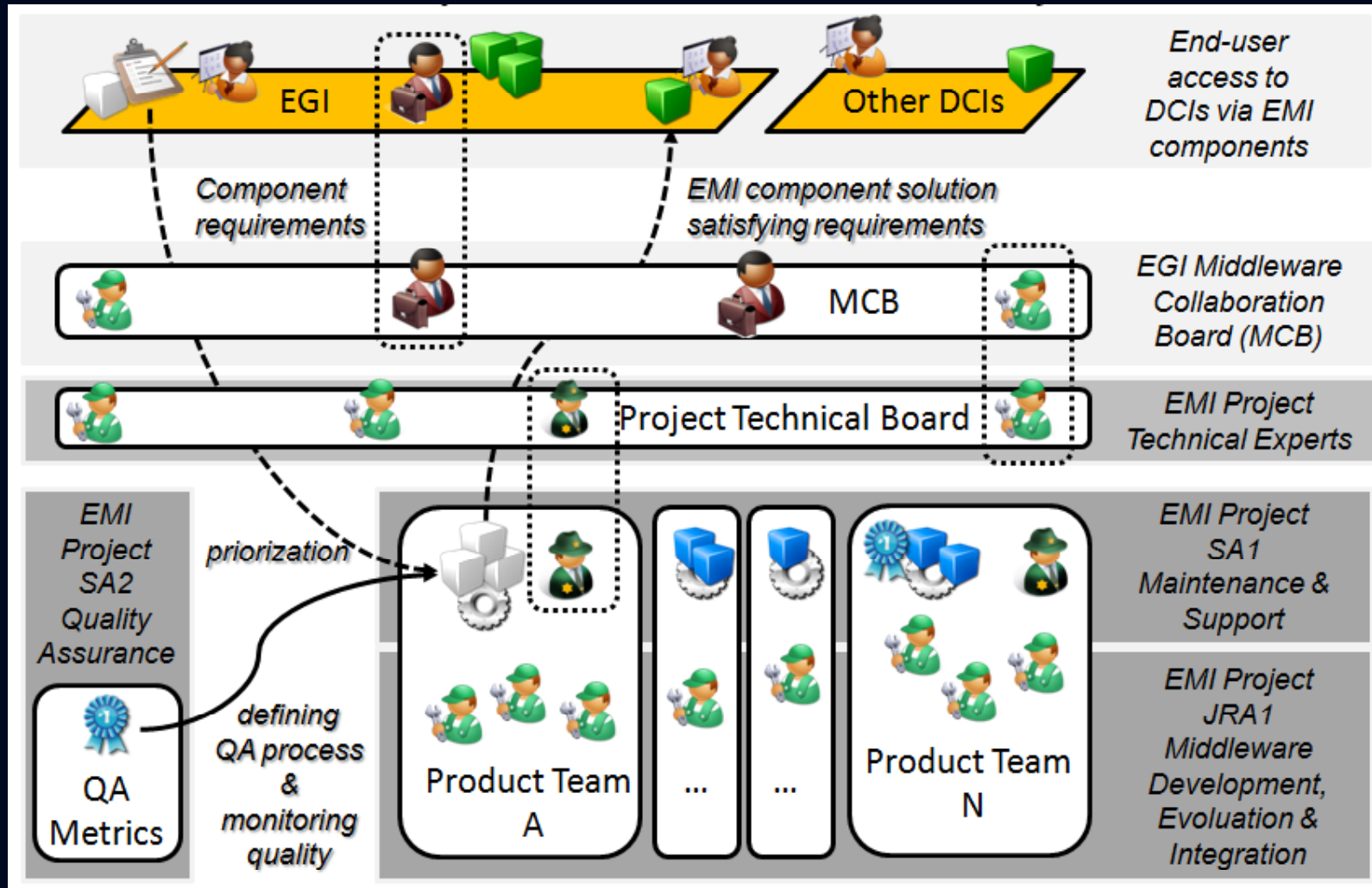
Integration & Interoperability

Quality Control

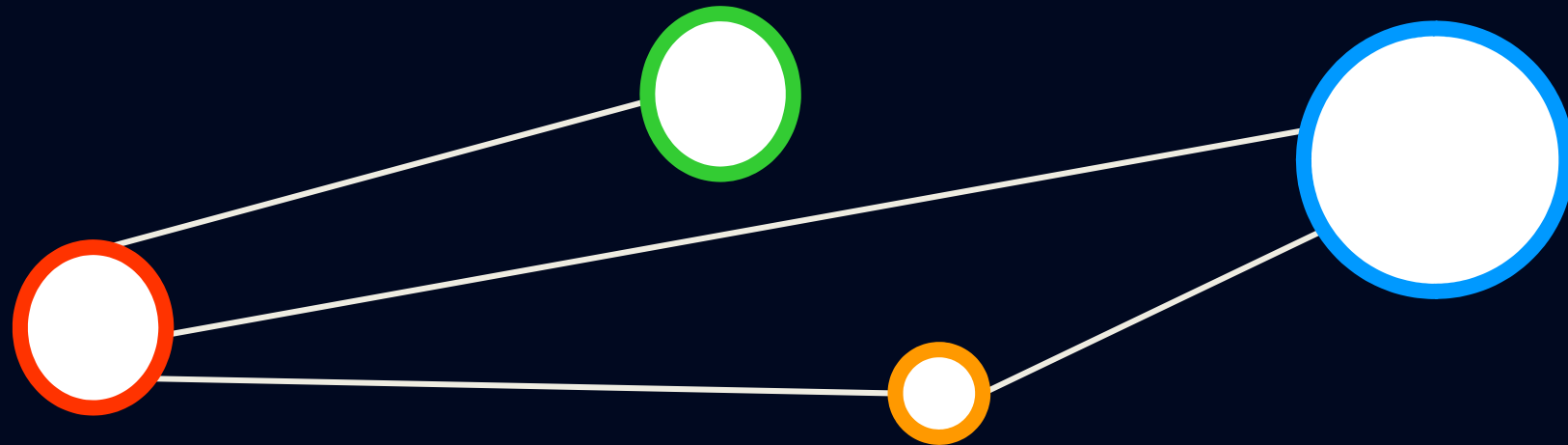
# What the heck are...Product Teams?



# Close collaboration with SA1/SA2



# JRA1 Kick-off Session



# JRA1 Session Debrief

- Presentations from the four major technical area leaders for clarification and to identify list of open issues
  - Infrastructure Area (James Casey - CERN)
  - Compute (Massimo Sgaravatto - INFN )
  - Data (Patrick Fuhrmann - DESY)
  - Security (John White - CERN)
- Less emphasized on other tasks
  - Quality control, standardization, integration & interoperability
- Work & Technical areas & Product Teams clearer...
- **TBD: A lot of open issues have to be still discussed (!)**



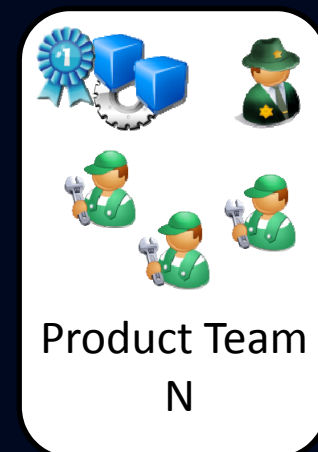
# Plan for Identified TBDs

- TBD = To Be Done
- Review of TBDs in the next weeks
  - Separation of concerns per area, identified ~55 TBDs
- Which TBDs need to be discussed...
  - ... by PEB/PTB
  - ... by area leaders
  - ... by product teams
  - ... by other work packages
- Identify TBDs from Quality Control Task
  - **TBD: Link with SA2 efforts**

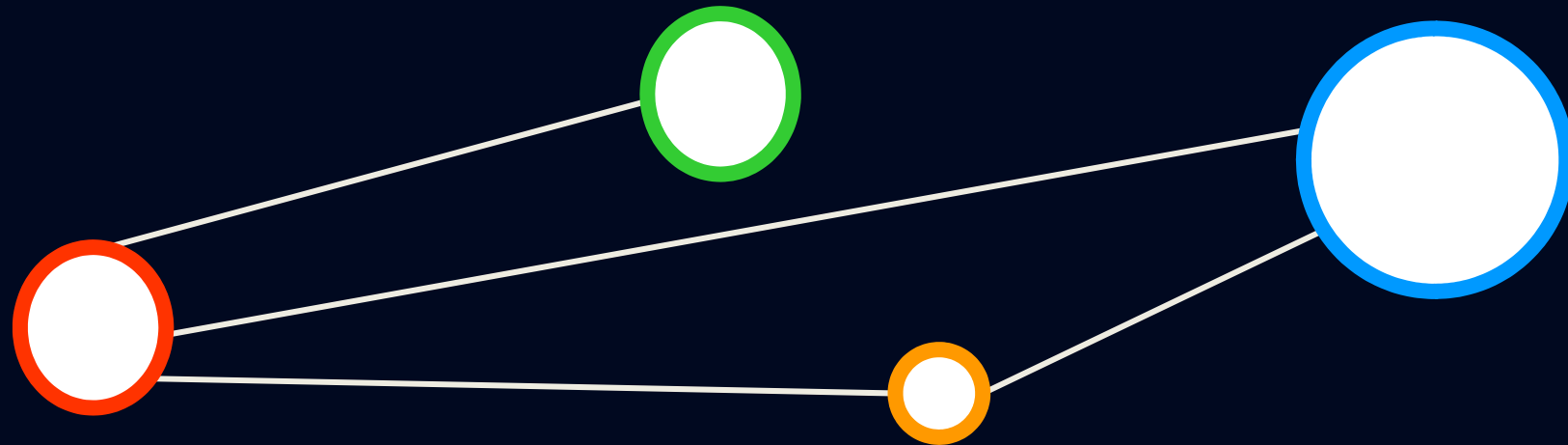


# Product Teams

- We identified numerous product teams from the different technical areas
  - ~ 20 product teams (covering all technologies)
- Not all effort in the JRA1 work package are bound to product teams
  - E.g. SAML research work
- List of teams will be available very soon
  - Including PT leaders



# Plan for the first Quarter





# Setup E-Mail Lists



- Major JRA1 mailing list [emi-jra1@eu-emi.eu](mailto:emi-jra1@eu-emi.eu)
  - Already exists, but JRA1 members must be added
  - PT list will be a first input
  - PO list of kick-off meeting attendees is another input
- Mailing lists per areas within JRA1
  - Four major technical areas: Compute, Security, Data, Infra
  - Standardization, Integration & Interoperability ,  
Quality Control
  - **TBD: Need to be created by PO (Florida?)**

# JRA1 @ EGI Tech Forum



- JRA1 Meeting
  - Technical experts should meet for PT work and inter-area work
  - Potentially organized via ‘technical area workshops’
  - **TBD: Sessions with some JRA1 folks @ EGI Tech Forum**
- Further JRA1 Integration Meetings
  - Product teams of one area need ‘products’ from others
  - We already identified many inter-area relationships
  - Smaller JRA1 integration meetings might be planned to promote the integration of numerous products

# Milestones (1)

- Security Area
- First Security Workshop held this week
- **TBD: Another security workshop in M2?**

Milestone number <sup>59</sup>	Milestone name	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS26	MJRA1.1 - Security Workshop	18	2	Organization of workshop on EMI security strategies and roadmap.

# Milestones (2)

- Infrastructure Area
- **TBD: Kick-off discussions should be started (James)**

Milestone number <sup>59</sup>	Milestone name	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS38	MJRA1.13 - Agreement on common information exchange methods	1	3	A common information exchange between the EMI components is crucial and should reflect the needs of accounting, information provisioning, and messaging.

# Milestones (3)

- Standardization Area
- Open Grid Forum (OGF) Production Grid Infrastructure (PGI)
- **TBD: Standards beyond OGF need to be explored (Morris/Balazs)**

Milestone number <sup>59</sup>	Milestone name	Lead beneficiary number	Delivery date from Annex I <sup>60</sup>	Comments
MS41	MJRA1.16 - Recommendation of a common set of standards relevant to EMI	19	3	This milestone refers to a list of open standards which are recommended to be adopted within the project and which standards should be driven by members of the EMI consortium through active participat

# Deliverables (1)

- TBD: Thoughts on Table of Contents should be started...
- TBD: List of responsible editors is created in PEB currently...

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D5.1.1	DJRA1.1.1 – Compute Area Work Plan and Status Report	10	12.00	R	PU	3
D5.2.1	DJRA1.2.1 – Data Area Work Plan and Status Report	6	18.00	R	PU	3
D5.3.1	DJRA1.3.1 – Security Area Work Plan and Status Report	18	19.00	R	PU	3
D5.4.1	DJRA1.4.1 – Infrastructure Area Work Plan and Status Report	1	16.00	R	PU	3
D5.5.1	DJRA1.5.1 – Standardization Work Plan and Status Report	19	9.00	R	PU	3
D5.6.1	DJRA1.6.1 – Integration Work Plan and Status Report	8	9.00	R	PU	3

# Deliverables (2)

- TBD: Need to understand/coordinate overlaps with SA2

Deliverable Number <sup>61</sup>	Deliverable Title	Lead beneficiary number	Estimated indicative person-months	Nature <sup>62</sup>	Dissemination level <sup>63</sup>	Delivery date <sup>64</sup>
D5.7.1	DJRA1.7.1 – Software Development Quality Control Report	10	7.00	R	PU	3

D5.7.1) DJRA1.7.1 – Software Development Quality Control Report: This document describes the status and performance of the quality control task with details on the availability and execution of unit, functional and compliance tests for the EMI components. This aggregated data is internally generated every month and reported to the EC every twelve months. [month 3]

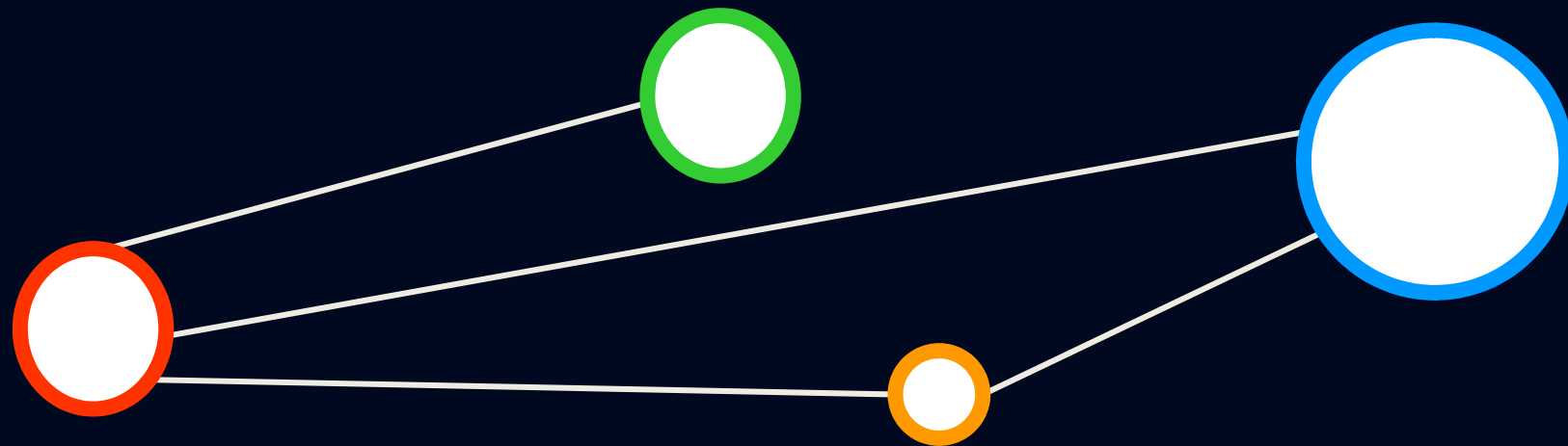
# What to do the next weeks...

- Find your place in the project...
  - Identify your task you will working in
  - Potentially get involved in a product team
  - Understand how your product affects releases (&timelines)
- Get in contact...
  - Make sure you are on the correct mailing lists: all, jra1, jra1-x
  - Ensure that you are in contact with your pt leader/area leader
- Use the emerging communication infrastructure
  - Check regularly emerging wikis, infos on EMI Web site, etc.





# AOB



# AOB

- Questions



**Thank you**

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