



# **EMI-1 Release**

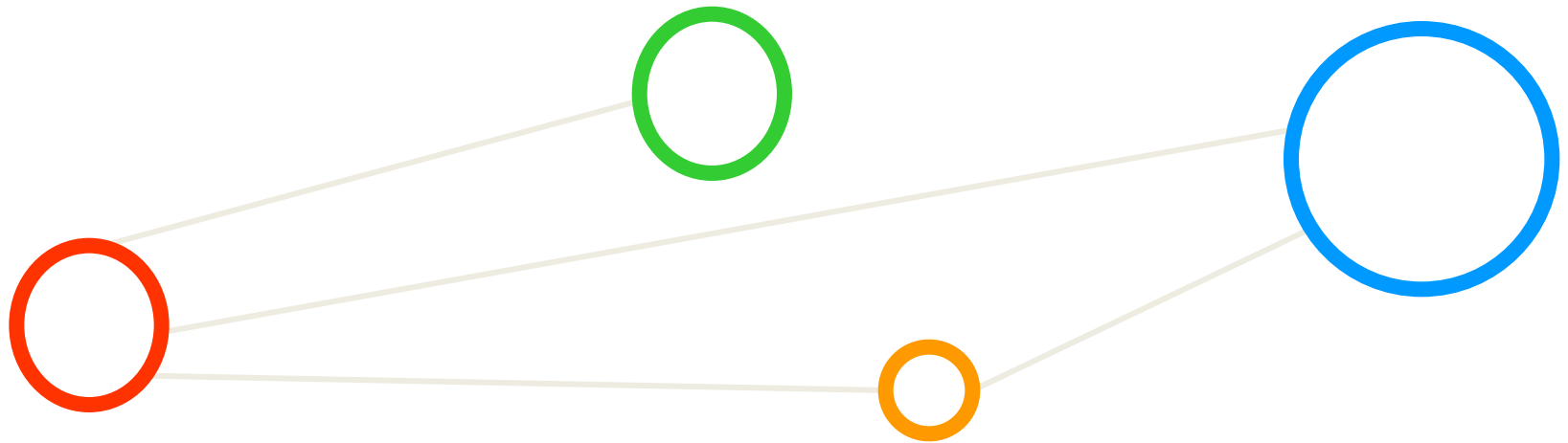
**Development & Test Plans  
Version 2**

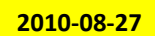
**Morris & JRA1 Leaders**

# Outline

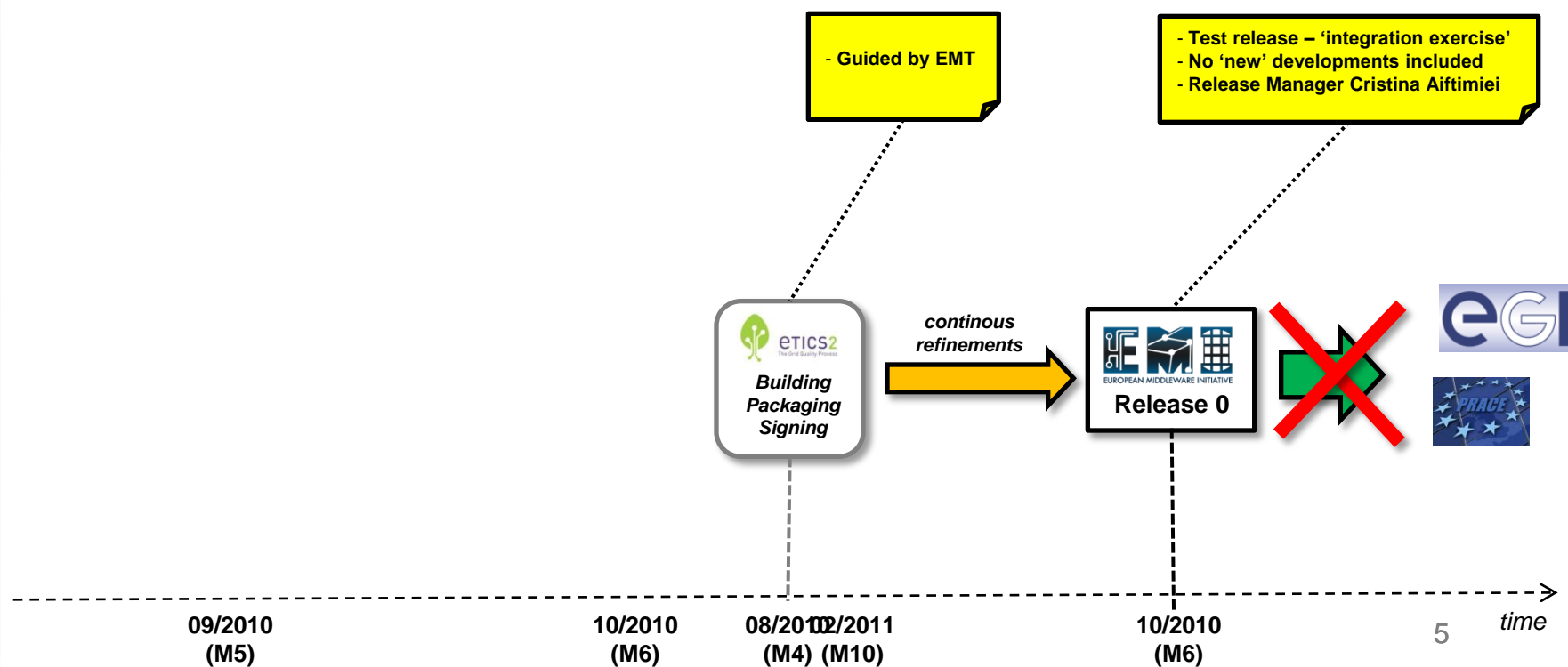
- Milan PEB Inputs
  - PEP F2F Figure
  - EMI-0 Release in Context
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- Terms & Responsibility Clarification
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  - Guidelines from PEB and Alberto

# Milan PEB Inputs





# EMI-0 Release in Context from Milan





# EMI-1 Release in Context from PEB Milan

**DEPRECATED**



defining the development on a high level

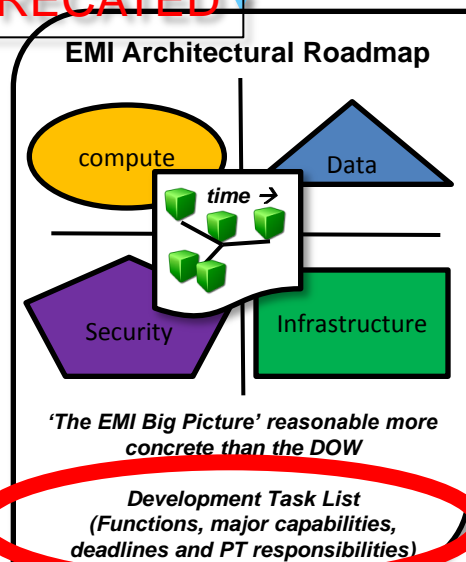
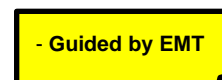


guiding the development of functional requirements

releases

matches many aspects of it

guiding the development of non-functional requirements



09/2010  
(M5)

10/2010  
(M6)

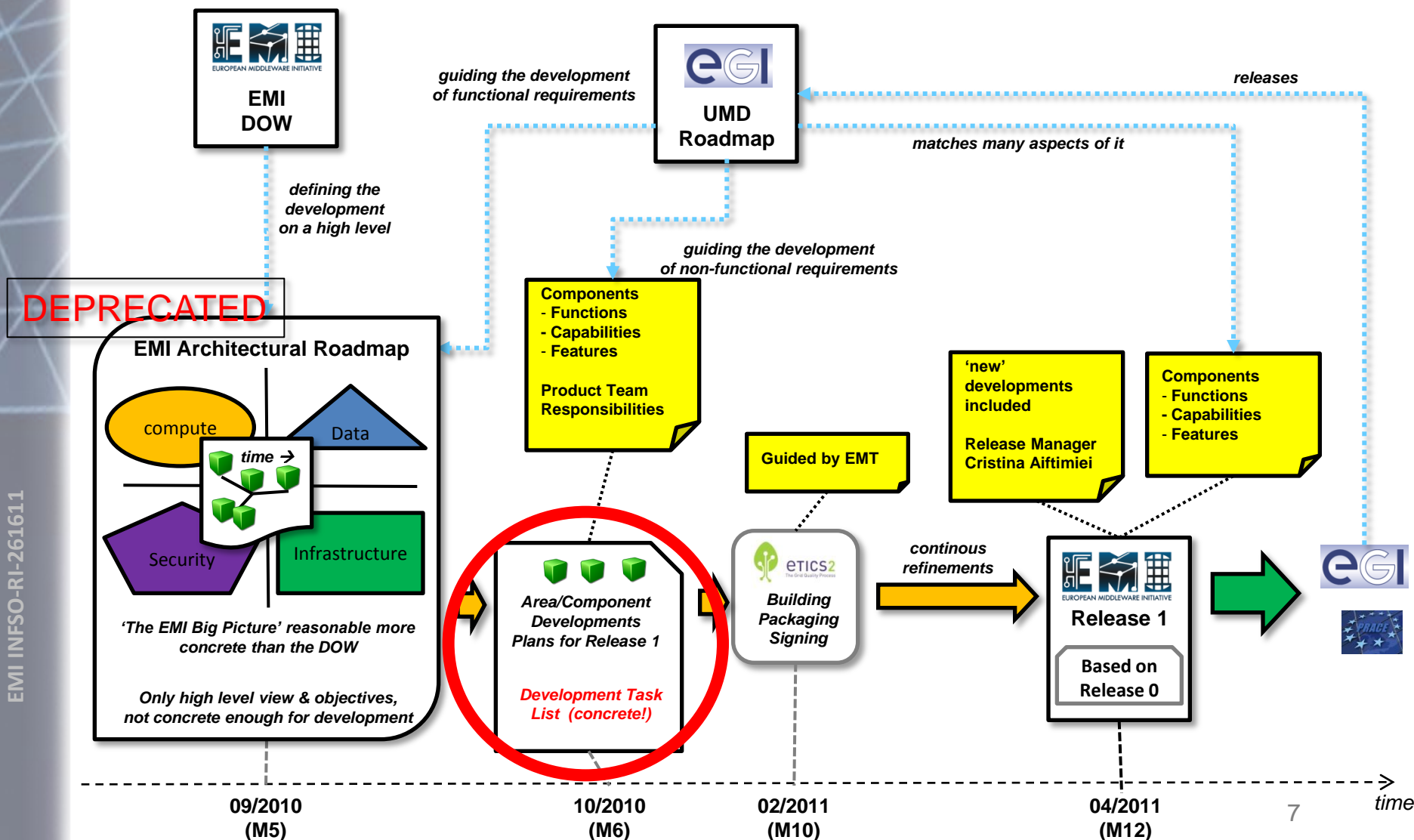
02/2011  
(M10)

04/2011  
(M12)

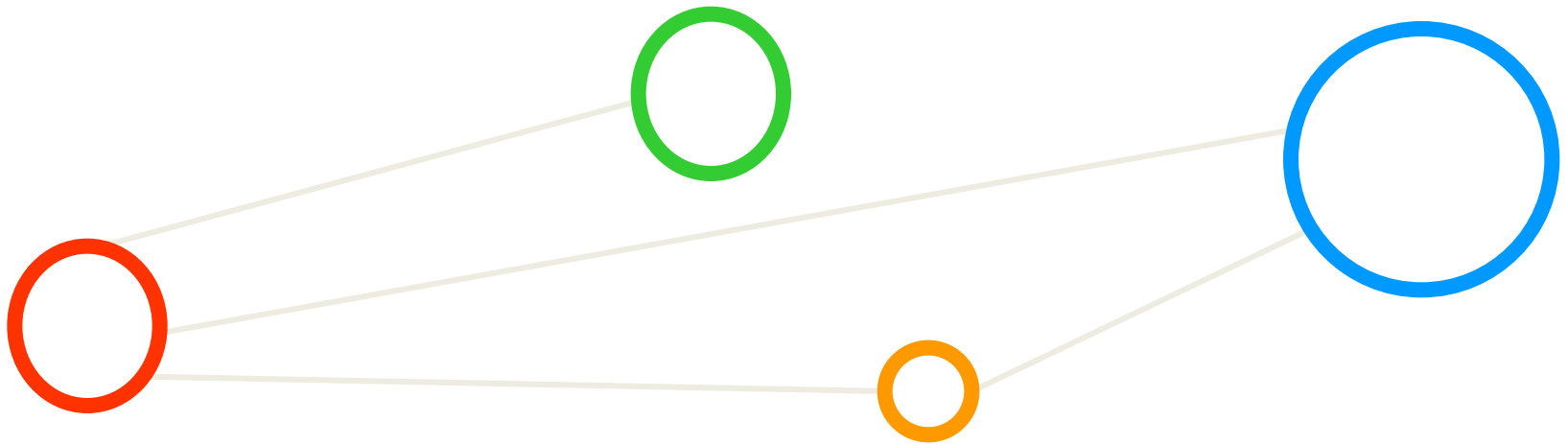
6

time

# EMI-1 Release in Context (revised with Balazs)



# Terms and Responsibility Clarification

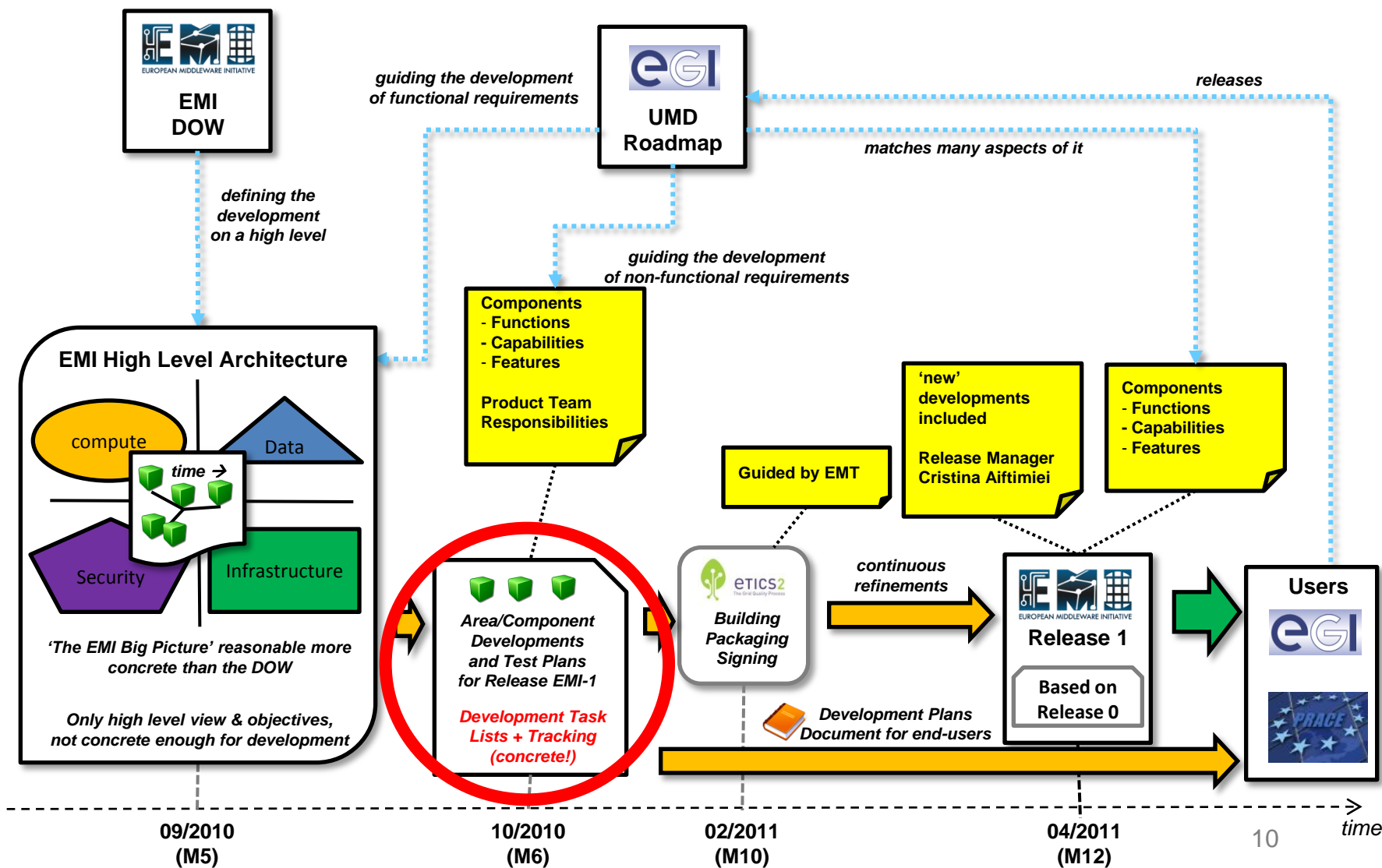




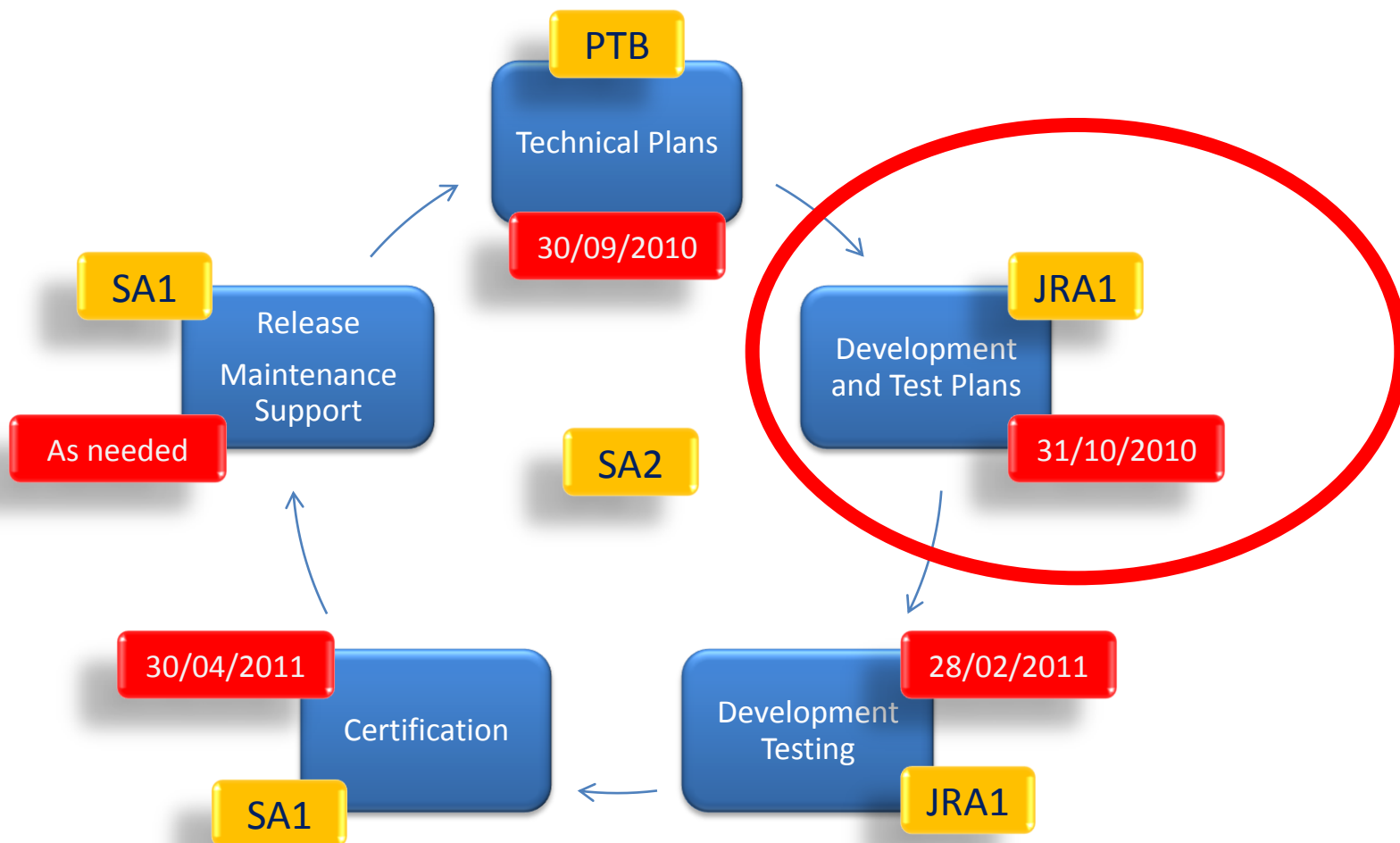
# Terms & Responsibility Clarification

- There has been a lot of trouble in mutual misunderstanding what several terms mean and what they ‘include’
  - Architectural Roadmap consists of what?
  - Development & Test Plans consists of what?
  - What is the responsibility of JRA1 and PTB?
- This has been clarified
  - We stop using the term ‘architectural roadmap’
  - Instead we use rather High Level Architecture
    - Responsibility of PTB driven by Balazs
  - Complementary Development and Test Plans (for each release!)
    - Bring the ‘High level Architecture Plans into specific Action’
    - **Responsibility of JRA1 driven by Morris**
    - Addressing the follow-up EMI high level objective ABC
    - Internal → Concrete Development plans with milestones and test plans (wiki)
    - External → One document for end-users to know what to expect from EMI-1

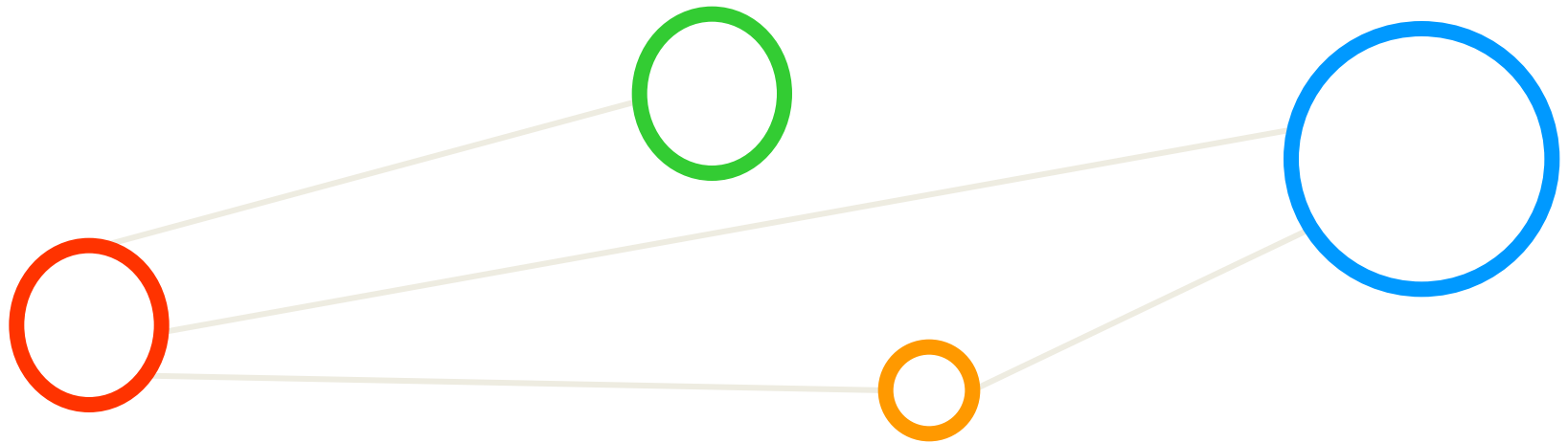
# EMI-1 Release in Context (revised with Alberto)



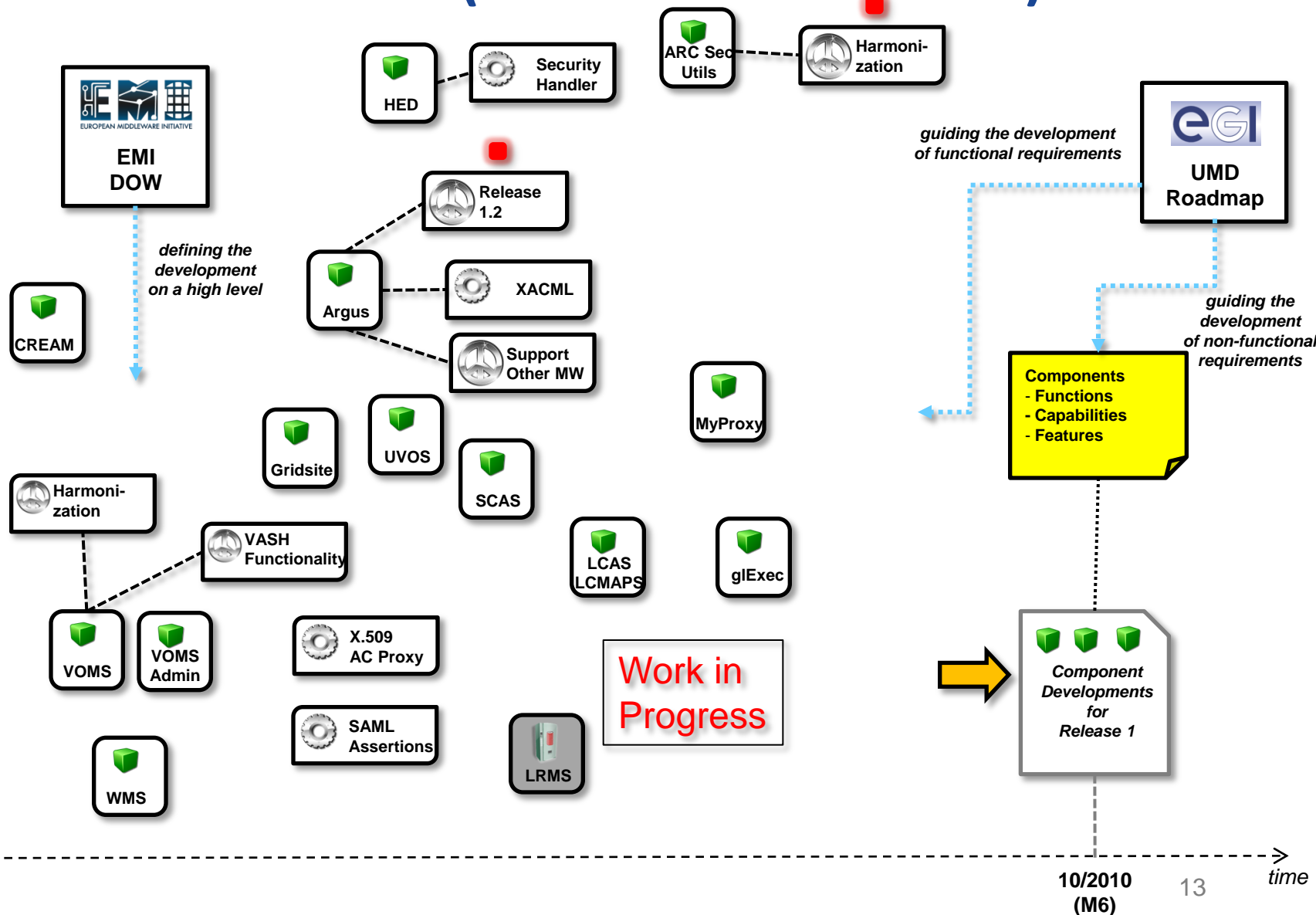
# Release Cycle (Alberto/ECB)



# Development and Test Plan Status



# EMI-1 Dev Plans (started...after Milan)



# Initial Input by Area Leaders for EMI -1 Plans

- Data Area [DONE – 2010-09-06]
  - <https://twiki.cern.ch/twiki/bin/view/EMI/EmiJra1DataPreparationEMI1>
- Compute Area [DONE – 2010-09-07]
  - [https://twiki.cern.ch/twiki/bin/view/EMI/EmiJra1T2Compute\\_EMI1ReleasePlan](https://twiki.cern.ch/twiki/bin/view/EMI/EmiJra1T2Compute_EMI1ReleasePlan)
- Infrastructure Area [DONE -2010-09-14]
  - [https://twiki.cern.ch/twiki/bin/view/EMI/InfrastructureArea#EMI\\_1\\_0\\_RoadMap](https://twiki.cern.ch/twiki/bin/view/EMI/InfrastructureArea#EMI_1_0_RoadMap)
- Security Area [DONE – 2010-10-07]
  - <https://twiki.cern.ch/twiki/bin/view/EMI/EMIJRA1T4EMI1ReleaseInputs>
- Complementary input are the four area work plans deliverables (aka technical plans)
- Should be roughly in-line with the overall EMI Technical Work plan
- Plans will be revised over time during October



# Understanding Development & Test Plans

- Functions, major capabilities, deadlines and PT responsibilities
  - General collection available
- Concrete Development and Test Plans
  - Will be created during the course of October
  - Continuously revised week after week with news (e.g. cross-area input from Architecture F2F @ CERN)
  - Inline with Software Release Plan (→ Release Manager)
- Aligned with Test plans
  - Work with Andrea, test availability surveys, etc.
  - Reality is: very least product teams have this now
  - But we provide a plan how this situation is improved
  - Inline with Software validation plan (→ Andrea)

# Overall approach to EMI-1

- It is scheduled to be released on **April 30th, 2011**.
- Its preparation starts in parallel with EMI 0, but most of the effort on EMI 1 will be put between 1 November 2010 and 30 April 2011.
- SA1 is responsible to prepare a detailed release plan

## Time lines for development plan in context

- By **end of September 2010** the PTB releases the overall and the specific technical plans.
  - The plans contain a description of the EMI technical objectives. They are guidelines to be used for preparing the detailed development plans. They contain information relevant to the full
  - Three year duration of EMI, although the level of detail may differ for each of the three year.
  - An overall architectural roadmap must be part of the technical plan
- By **end of October 2010**, JRA1 prepares the detailed development plans for EMI 1
  - Detailing the specifications that the PTs have to follow in the development of the functionality planned for EMI1.
  - The development plan has to take into account a max development period of four months

# EMI0 & 1 Changes and Development Timeline

- The functional changes to be introduced in the release compared to EMI 0
  - Must be **tracked by JRA1 in a suitable tracker** using a common set of tags as specified by the EMI Change Management process
- EMI 1 will use the same software engineering tools described for EMI 0
  - but on **dedicated ETICS installation** to avoid conflicts between EMI 0 and EMI 1
- Development will be performed nominally from 1 November 2010 to **28 February 2010**,
  - Then the code for EMI 1 will be frozen by JRA1 and passed to SA1 for the final certification and release steps

## SA1 in Context

- SA1 will perform any required certification and acceptance test according to the QA plan,
  - put together the release,
  - upload it to the repository add the top level documentation and release notes and
  - publish the release to EGI and other infrastructures by **30 April 2010-08-30**



# Thank you!

EMI is partially funded by the European Commission under Grant Agreement RI-261611