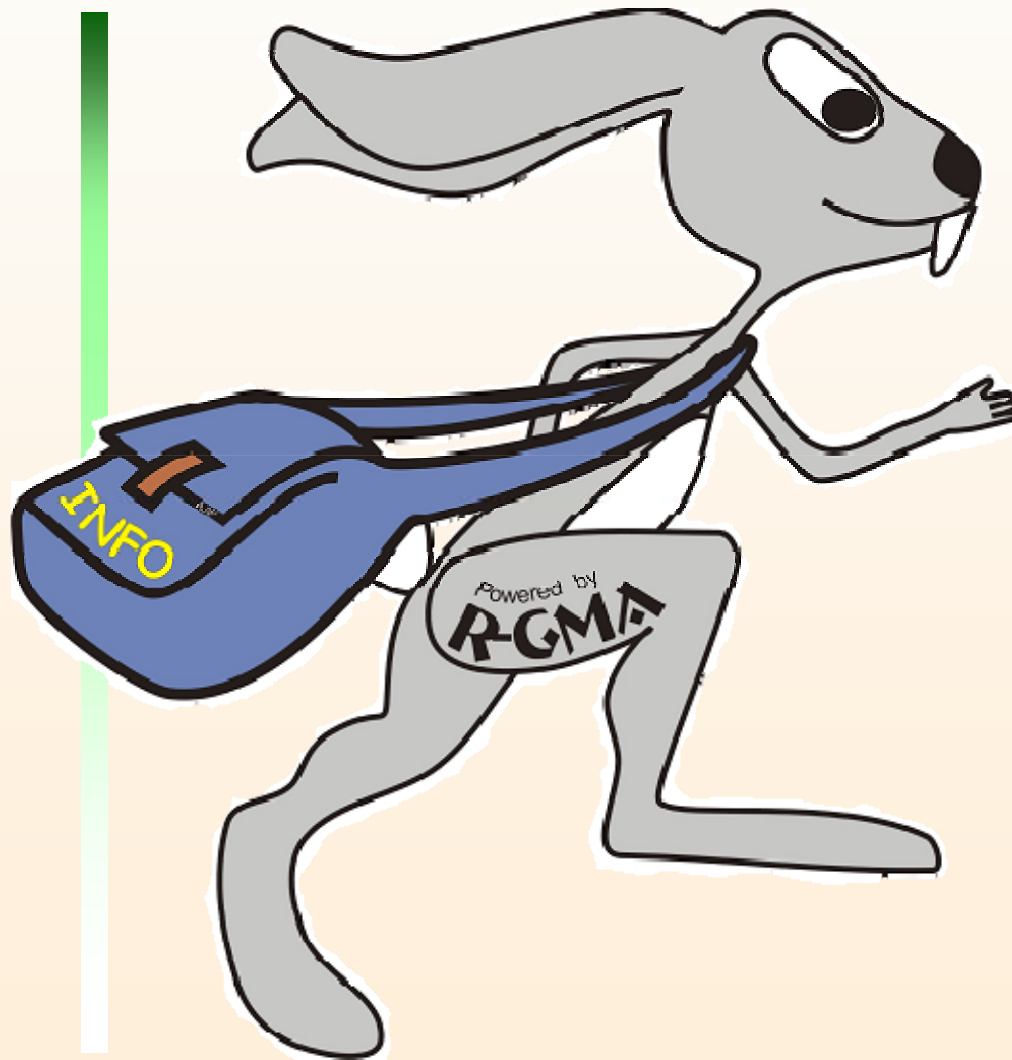




eGEE
Enabling Grids for
E-science in Europe



EGEE

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14/1/2004

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Credits



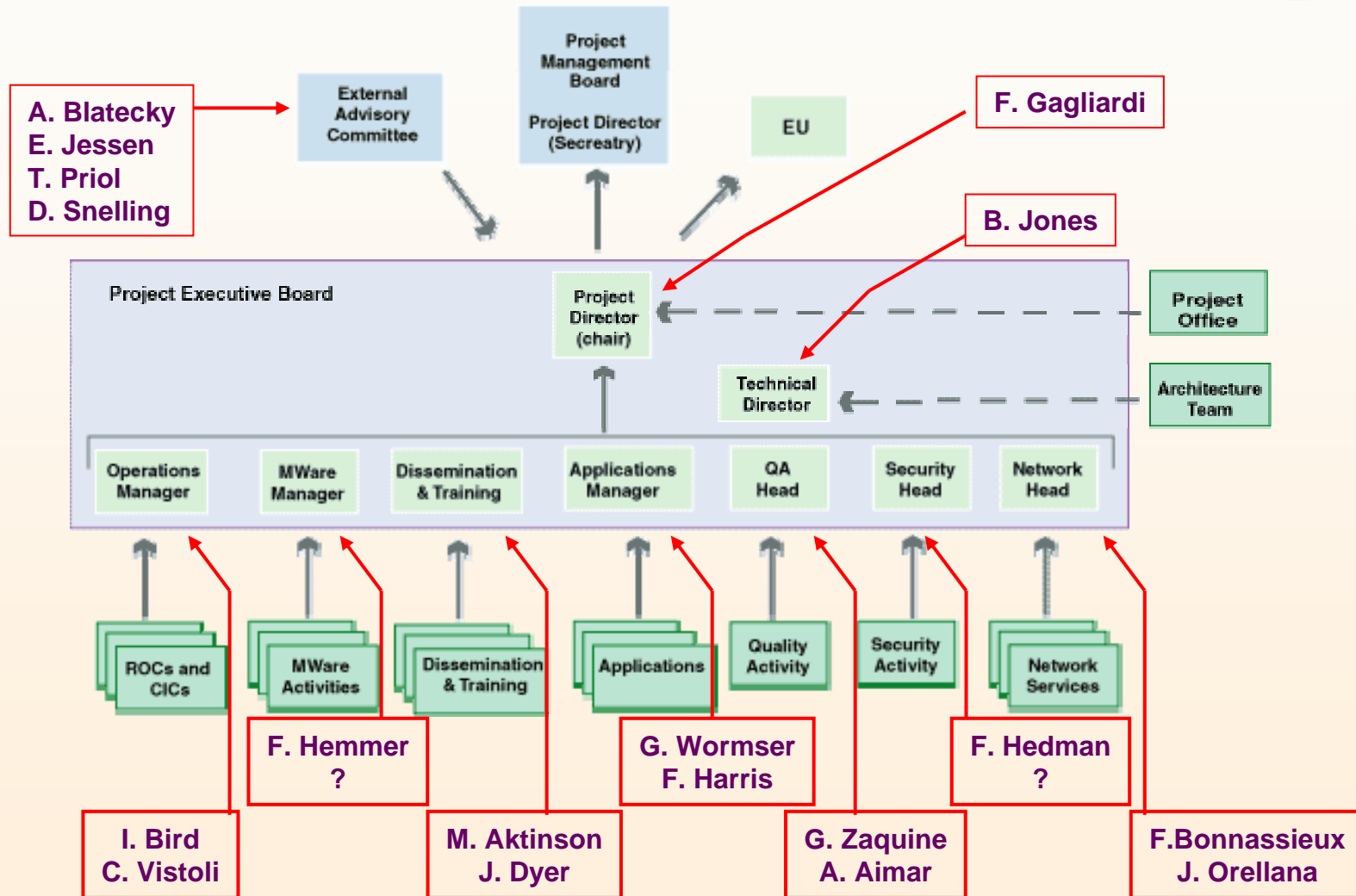
- My slides have been stolen from many sources including:
 - Fabrizio Gagliardi
 - Frederick Hemmer

EGEE Status



- Enabling Grids for E-Science in Europe
- EGEE consortium agreement to be signed in January by all participants
- Possibility to change the TA before January 23th
 - Only very minor changes planned

Who's who



Project Conferences



- Twice a year for the duration of the project
- Try to follow the EU presidential countries
 - **April '04 UCC Ireland** (preceded by an Irish ministerial event on the EU research infrastructures in Dublin which EGEE will support within the NA5 activity)
 - **Nov '04 NIKHEF (3rd week proposed)**
 - **Mar/Apr Greece** (skip the Luxemburg presidency because we have no EGEE partners there)
 - **Nov '05 UK**, no firm details yet

Future



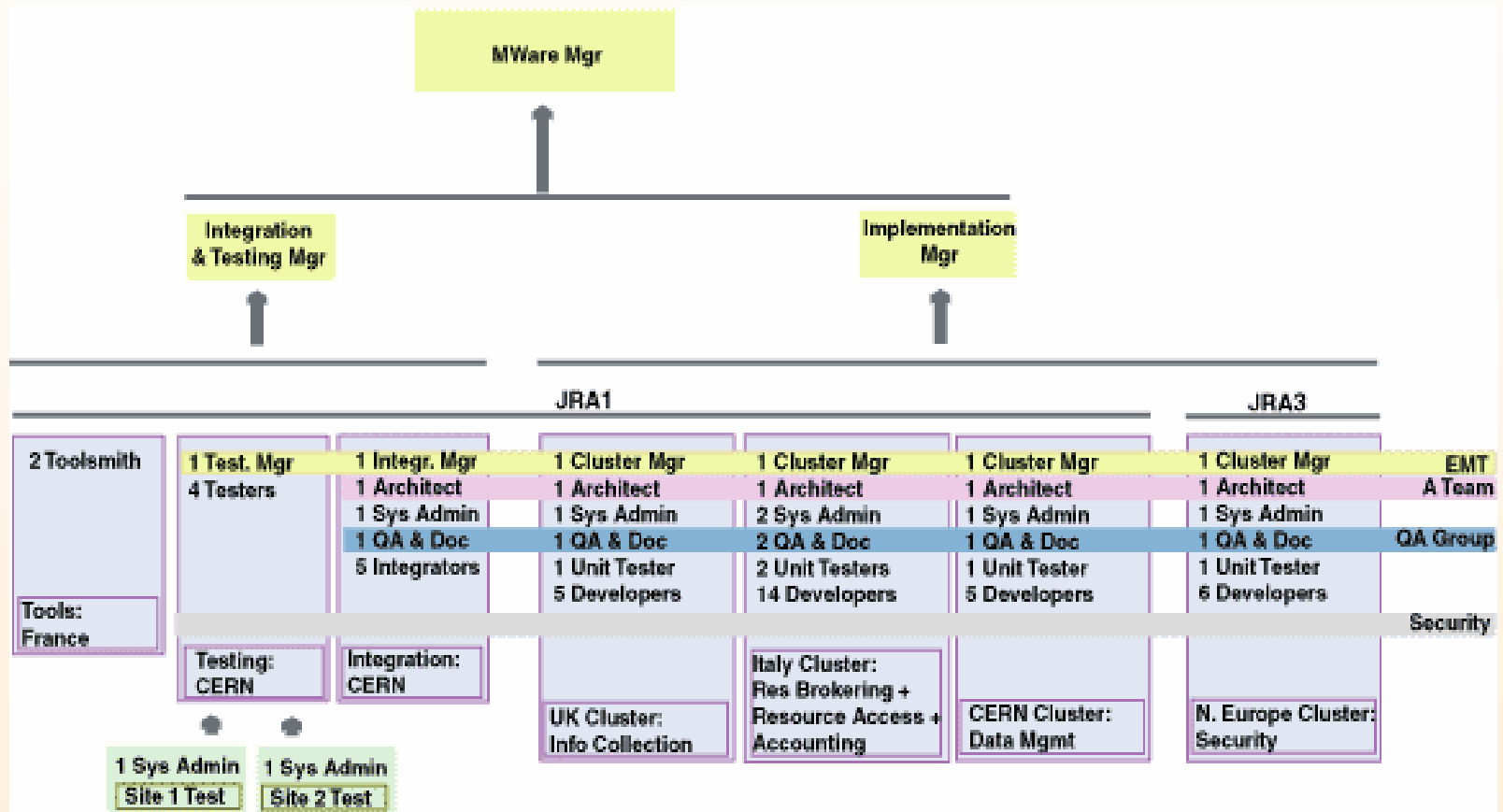
- EGEE seen by the EU and by the International Research community as the largest and most important Grid infrastructure activity.
- Tremendous challenge and very important opportunity!
- Essential to be ready and "hit the ground running" on April 1st 2004
- Be ready for a second phase of the project to be proposed to the EU in 2005

JRA1: Objectives



- Provide robust, supportable middleware components
 - Select, re-engineer, integrate identified Grid Services
 - Evolve towards Services Oriented Architecture
 - Adopt emerging OGSI standards
 - Multiple platforms
- Selection of Middleware based on requirements of
 - The applications (Bio & HEP)
 - In particular requirements are expected from LCG's ARDA & HepCALII
 - The Operations
 - E.g. deployment, updates, packaging, etc..
- Support and evolve the middleware components
 - Evolve towards OGSI
 - Define a re-engineering process
 - Address multiplatform, multiple implementations and interoperability issues
 - Define defect handling processes and responsibilities

JRA1: Organization



EGEE



- All middleware is one WP (JRA1, under Frederic Hemmer)
 - Made up of 3 “coding” clusters
 - Data Management
 - Info and Monitoring
 - Workload management
 - Security decoupled again
- Will start with LCG-2
 - This does not contain R-GMA yet
 - LCG will run with LCG-2 for all of 2004

JRA1: Milestones and Deliverables for the first year



Month	Deliverables & Milestones	Item	Lead Partner
M03	MJRA1.1	Tools for middleware engineering and integration deployed	CERN
M03	DJRA1.1	(Document) Architecture and Planning (Release 1)	CERN
M03	MJRA1.2	Software cluster development and testing infrastructure available	CERN
M05	MJRA1.3	Integration and testing infrastructure in place including test plans (Release 1)	CERN
M05	DJRA1.2	(Document) Design of grid services (Release 1)	CERN
M09	MJRA1.4	Software for the Release Candidate 1	CERN
M10	MJRA1.5	Integrated Release Candidate 1 enters testing and validation period (Release 1)	CERN
M12	DJRA1.3	(Software) Software and associated documentation (Release 1)	CERN

JRA1: Responsibilities



Partner(s)	Activity	Effort
CERN	Data Management, testing and integration, overall coordination	32
INFN + Datamat CESNET	Resource access, brokering and accounting Logging and bookkeeping	22
CCLRC	Information collection and retrieval	9.5
CNRS	Test tools support group	2

New ARDA document



- This is the revised set of services which says little about how they interact.
- My contribution just explains how I&M services are the foundation for many other services.
- This is very much the same as we are trying to tell the OGSA people.
- Note that ARDA and OGSA document have the same aims – but different timescales.

What we have to do



- We are supposed to have:
 - Cluster manager
 - Architect
 - Sysadmin
 - QA and Doc
 - 1 Unit tester
 - 3 Developers
- We are also supposed to contribute to security (JRA3)
- Having compared the people we have and what we need have placed ads for 3 people:
 - 2 Developers
 - 1 Integrator/sysadmin

Roles



- Will not have 1:1 correspondence between roles in proposal and people
- All roles will need at least 2 people
 - To provide coverage during illness and holiday
 - 2 heads are better than 1
 - Ideally would employ the 3 new people first
 - Probably need to move people around a bit
- Would like to send 2 people to at least the first meeting of the various groups
 - There may be opposition to this!

Cross JRA1 groups



- Groups
 - ATF
 - EMT (RPM and SMF – names required by EU)
 - QA
 - Security
- No ITeam (yet)
- Will need to label people before the first meeting of each group which could be quite soon