



ARTEMIS

Building ARTEMIS, ARTEMISIA and ARTEMIS-JU

Information Event

Budapest January 23, 2009

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Key to Europe's competitiveness

- Embedded Systems are a **key enabler for innovation in major industries**

- Innovative, ES-based products
 - Knowledge based, high value-added products
- Innovative, ES-based manufacturing, distribution & maintenance systems



- Create and keeps jobs in Europe

- Through products and related services
- Through design and manufacturing excellence
 - Car industry estimates +600 000 new jobs in Europe
 - Up to 50% of development cost of airplane is in Embedded Systems
 - **40% of world's manufacturing industry is in Europe**

Embedded Systems Applications

- ES's bring intelligence and ease of use
 - To products
 - For manufacturing etc...
 - Additionally: energy savings, reduced costs, ...



- Compared to General Purpose computers, they are **demanding applications**:
 - exponentially increasing complexity (design and maintenance)
 - reliability,
 - availability (24/7),
 - safety, security,
 - time critical, ...





Synergetic instruments for executing SRA for Embedded Systems

ETP
ARTEMIS
Industry-driven vision
Common pan-European SRA
Coordination and policy alignment in ERA

FP7

- Upstream
- ICT collab. R&D
- ERC
- Marie Curie
- Research infrastr.

ARTEMIS-JU

- Downstream
- Unified processes
- National contracts
- EC co-funding
- Calls by JU office
- ARTEMISIA

RA

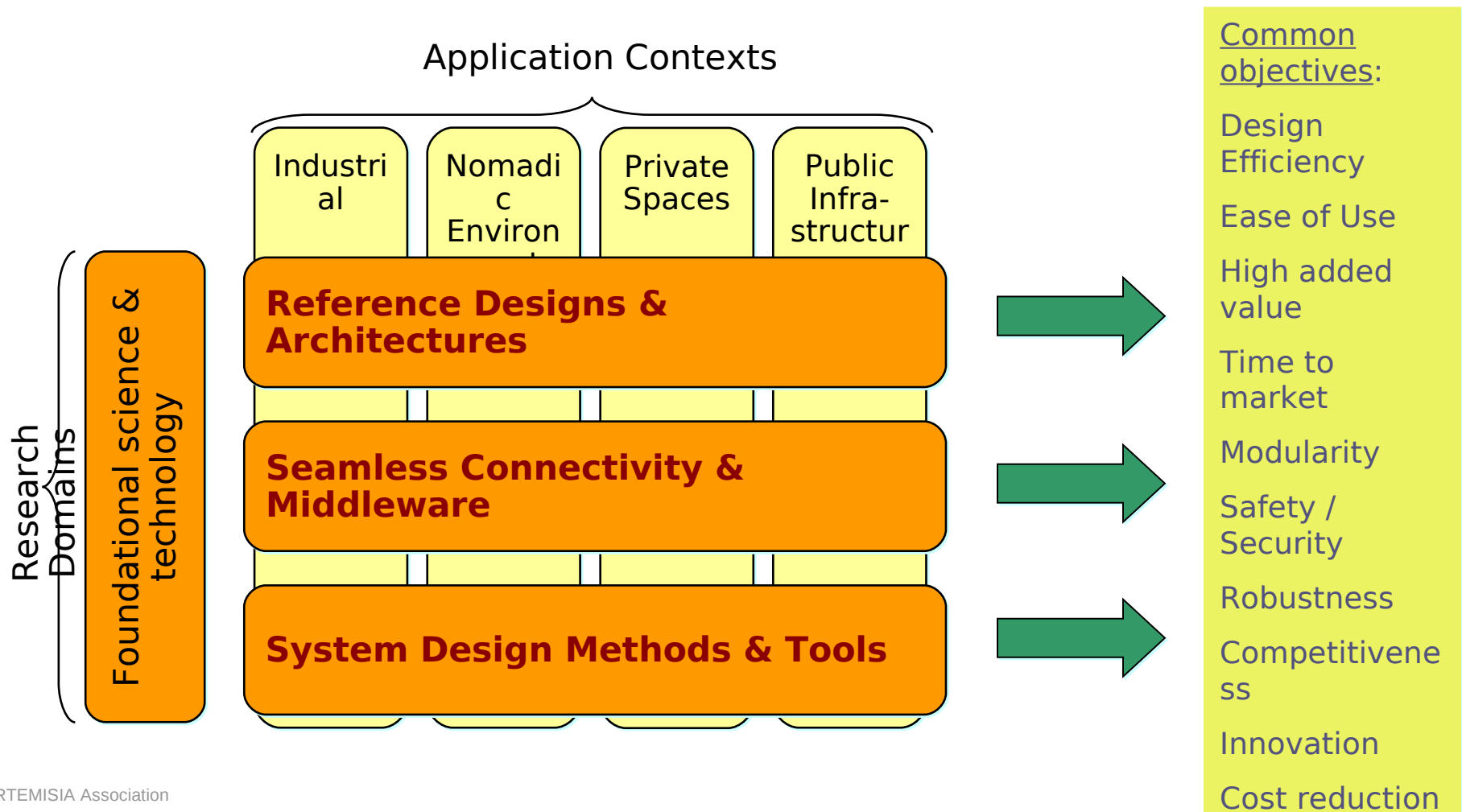
EUREKA

- Downstream
- ITEA 2, MEDEA+
- National contracts

National / Regional Programmes

“Self-Sustaining Innovation Eco-Systems for ES”

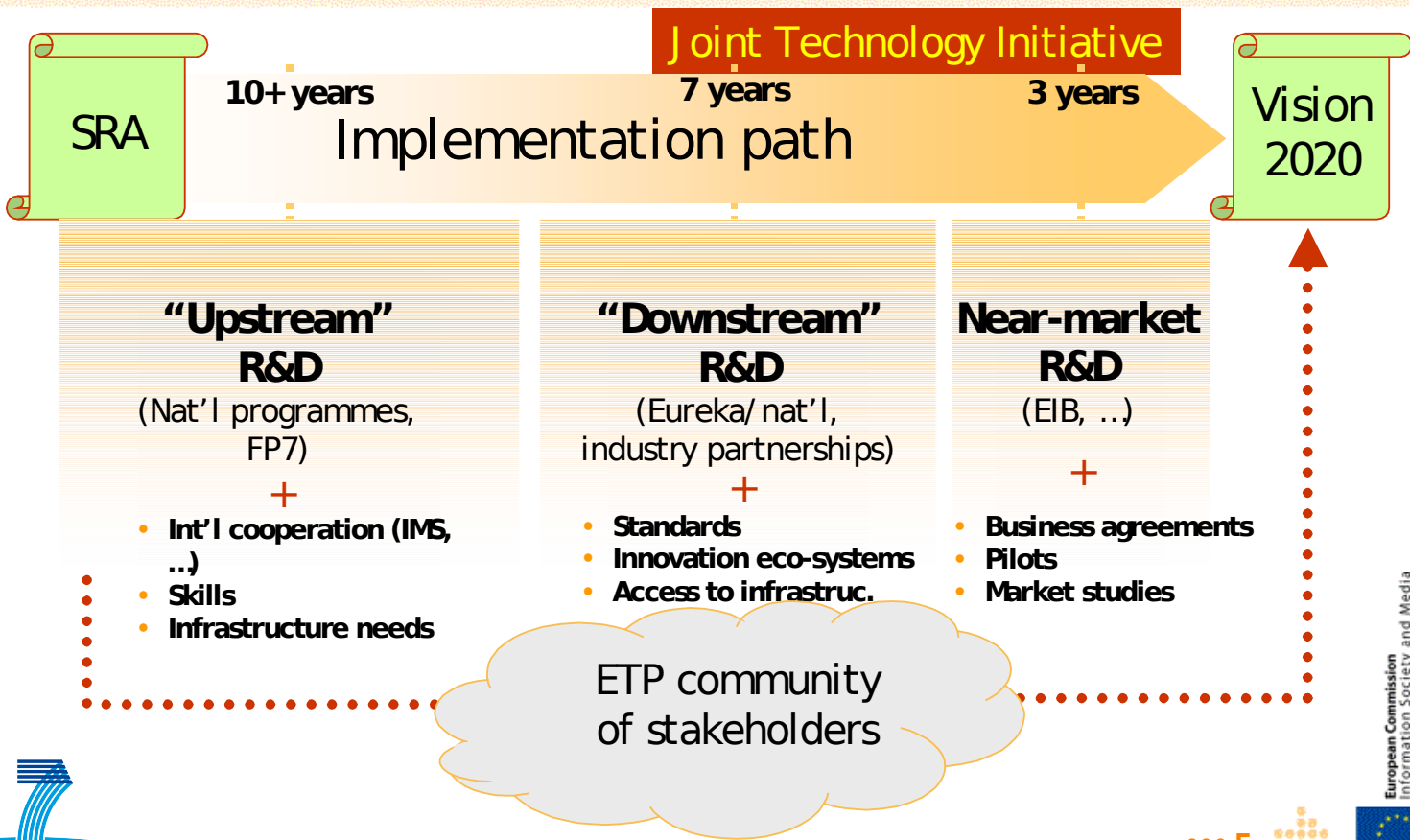
ARTEMIS envisages cross-application solutions





European Commission on ETP and JTI

Implementing the Strategic Research Agenda





ARTEMIS-ETP - ARTEMISIA – ARTEMIS JTI ->JU

- ARTEMIS-ETP started in 2004
 - developed the ARTEMIS-SRA (published in 2006)
- ARTEMISIA founded in 2007
 - ASSOCIATION for R&D actors in the field of ARTEMIS
 - 160 members by January 2009
 - ARTEMISIA will update and maintain the ARTEMIS-SRA
 - first update planned in 2010
- ARTEMIS-JU established on Feb. 7, 2008 as legal embodiment of the ARTEMIS-JTI (Joint Technology Initiative), being a Community Body
 - Public-Private Partnership: Joint Undertaking (JU)
 - Founding members: Public Authorities (EC and 18 EU Member States) and ARTEMISIA
 - Four members states joined later so total is now 22

■ Public Authorities

➤ European Community

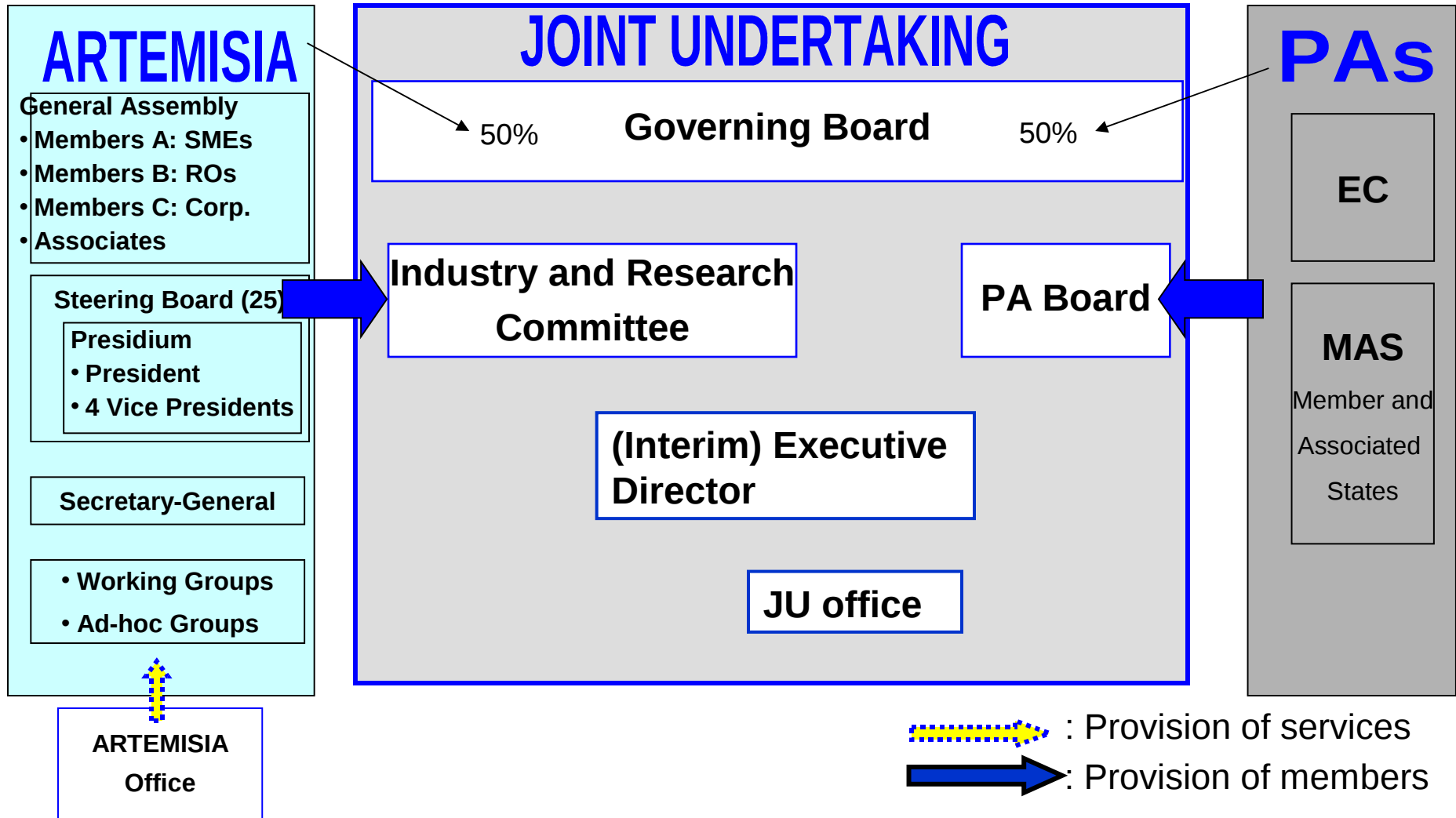
- represented by European Commission

➤ 22 ARTEMIS Member States (founding in red)

- Austria, Belgium, Czech Republic, Cyprus, Germany, Denmark, Estonia, Spain, Finland, France, Greece, Hungary, Ireland, Italy, Latvia, Netherlands, Norway, Portugal, Romania, Sweden, Slovenia, United Kingdom

■ ARTEMISIA Association

Governance structure JU





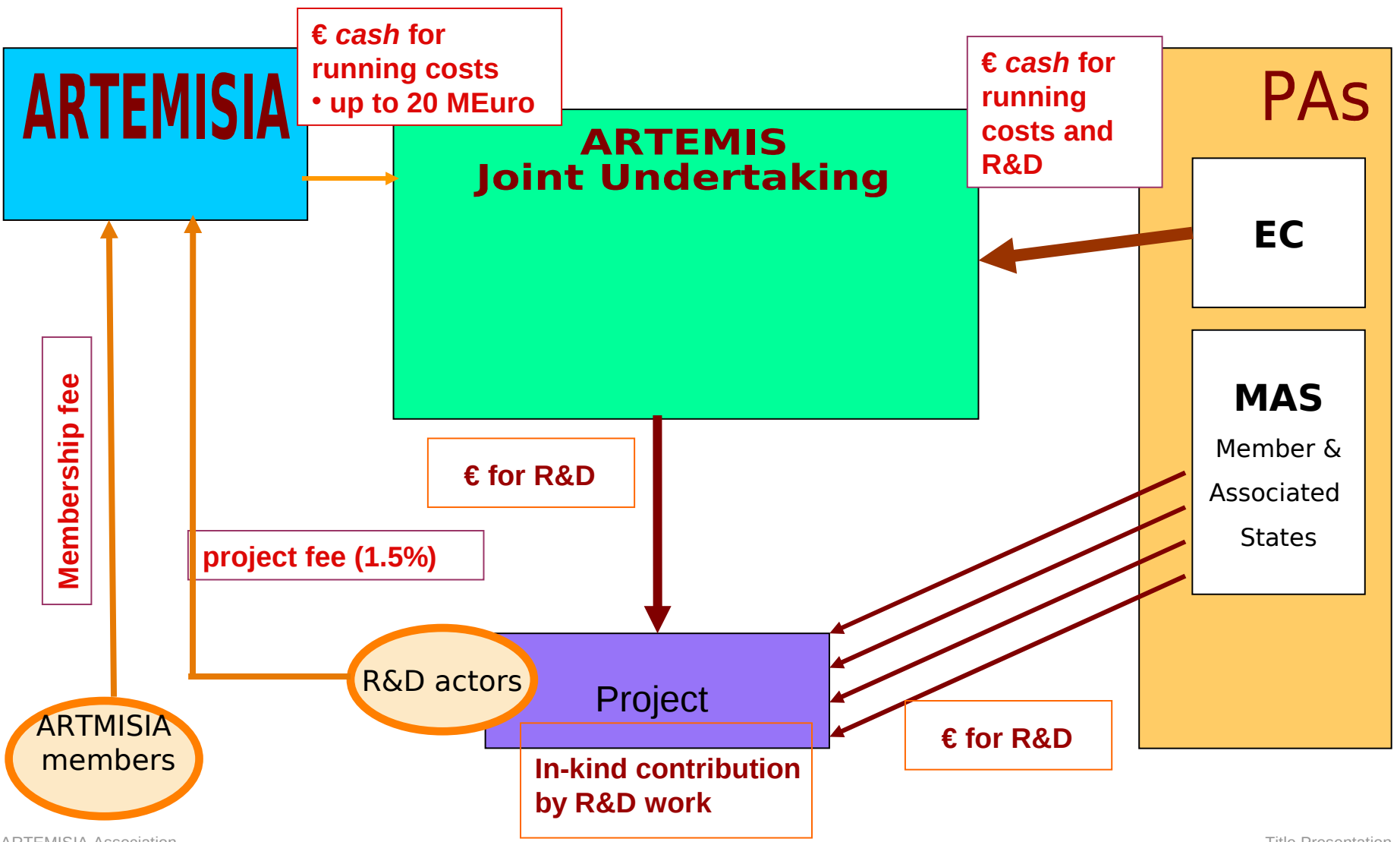
Which countries or legal entities could also become JU member?

- **Other EU Member States**
- **One or more of the EU Associated Countries**
 - Albania, Croatia, FYR Macedonia, Iceland, Israel, Liechtenstein, Montenegro, Serbia, Switzerland and Turkey
- **Third Countries**
- **Any other legal entity making a substantial financial contribution**

Countries that are member of the ARTEMIS-JU will be called:
ARTEMIS Member States

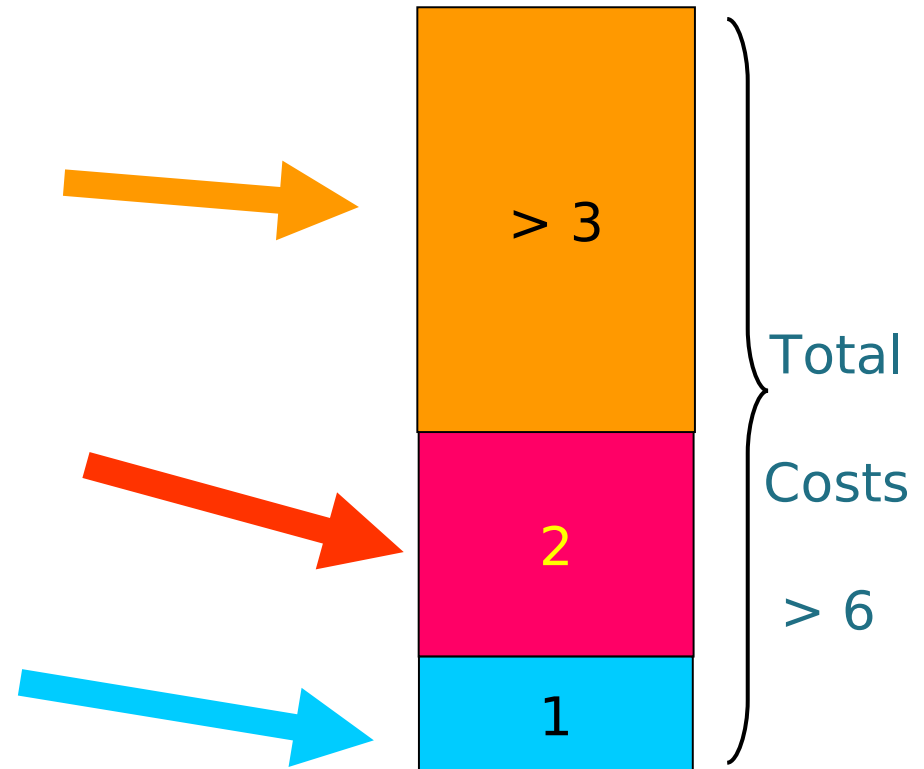


JU funding and running costs flow



Example of project financing

- R&D actors
 - At least 50% in-kind
- Participating States
 - National contracts
 - Possibility of cross-border funding & subcontracting to other JU member participants
- Joint Undertaking
 - In addition to national payments





First call in 2008 and second call in 2009

- **1st Call officially launched (bases on Full Project Proposals)**
 - Open May 8, 2008
 - Closing September 3, 2008
 - 27 projects submitted
 - 17 projects above threshold
 - 12 projects selected (202 MEuro Eeligible costs)
 - About 90 MEuro funding from public authorities for selected projects (98 MEuro was allocated)

- **2nd Call will be based on Project Outline (PO) phase and Full Project Proposal (FPP) phase**



Status per Jan. 13 of Supporting Documents for 2nd call

- Multi Annual Strategic Plan 2009 (including Research Agenda) is agreed by JU Governing Board (in Dec. 2008)
- Annual Working Programme 2009 to be agreed by JU Public Authorities board on Jan. 29, 2009
 - Technical content is basically OK
 - Amounts of funding of the ARTEMIS Member States to be determined (target around 140-150 MEuro)



Advantages being an ARTEMISIA member

Via membership, participation in working groups, and if selected via Steering Board, influence on:

- Strategic Research Agenda (ETP)
- Multi-Annual Strategic Plan and Research Agenda (JU)
- Annual Working Plan (JU)

Also:

- Participation in networking
- Generate ideas to develop/nominate Centres of Innovation Excellence in sub-areas of embedded systems and eco-systems
- SME promotion
- Open Innovation policies
- Standardization activities, etc.



Funding for consortium partners

Funding for selected projects:

- From Country and JU (flat rate) if Country is an ARTEMIS-JU member
- From JU (flat rate), if the Country is not a JU member, but is a EU Member State or EU Associated Country

Consortium participants should come from:

- At least three ARTEMIS Member States (non-affiliated entities)

If consortium partner comes from a Third Country:

- No funding from JU
- Participation in consortia can be possible if beneficial to the consortium and permitted by the Public Authorities