

ARTEMIS JTI

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JTIs in FP7: what they are

- **Long term public-private partnerships**
 - In a very limited number of cases
 - Resulting from the work of European Technology Platforms
 - Covering one or a small number of selected aspects of R&D
 - Combine private with European and national funding
 - Legal basis: Article 171 of the Treaty
- **Criteria**
 - Inability of existing instruments to achieve objectives
 - Impact on industrial competitiveness
 - Strength of commitment from industry
 - Capacity to attract additional national support and leverage industry funding
 - ...

ARTEMIS

- maintain and consolidate European world leadership in embedded computing technologies which are crucial for the competitiveness of many important sectors of key EU industry and for key applications (e.g. energy, security, safety, health environment and well-being)



(picture from ARTEMIS European Technology Platform)

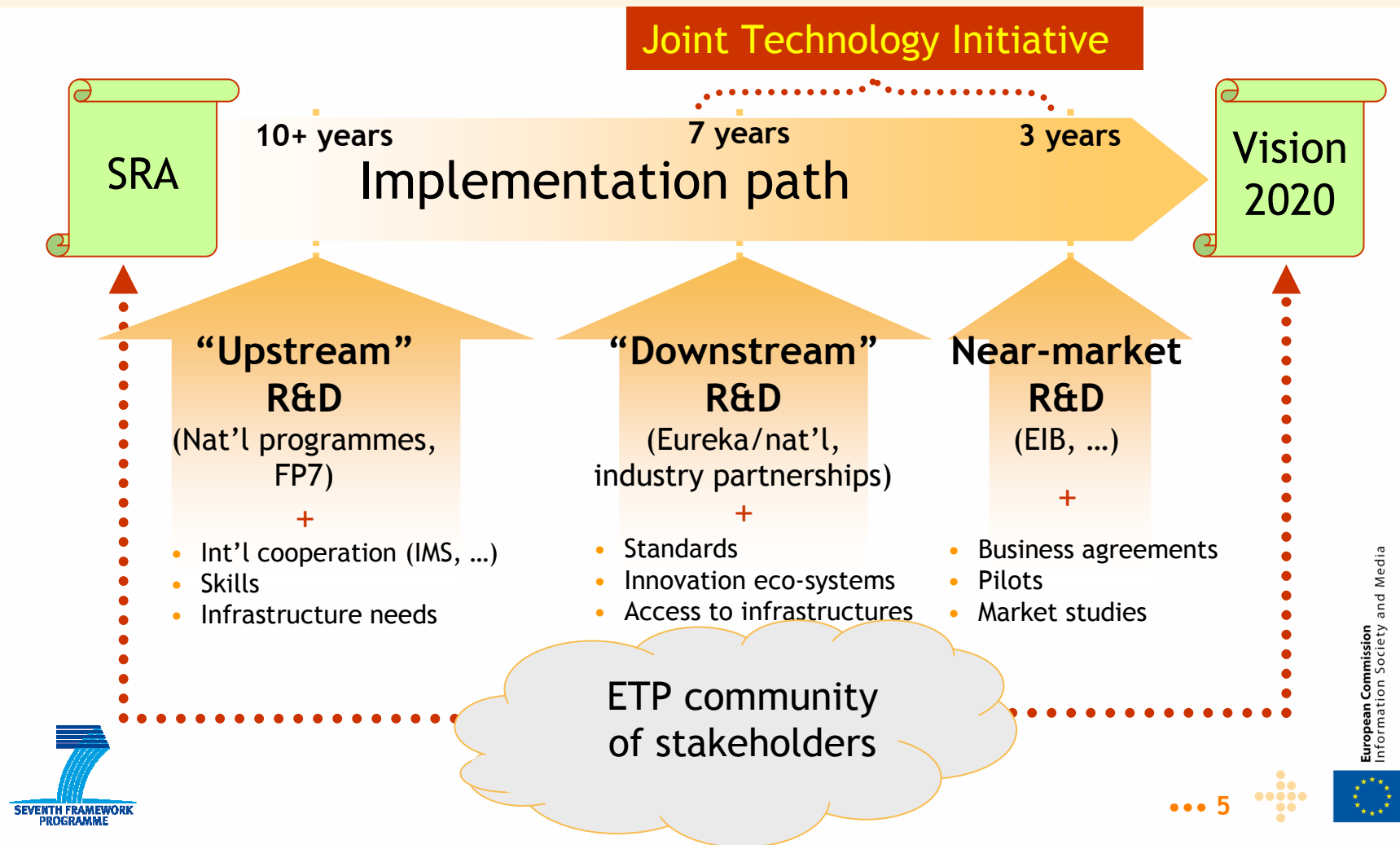
Example: By 2010, electronics & software in cars will account for up to 40% of their value

Why JTIs for ARTEMIS?

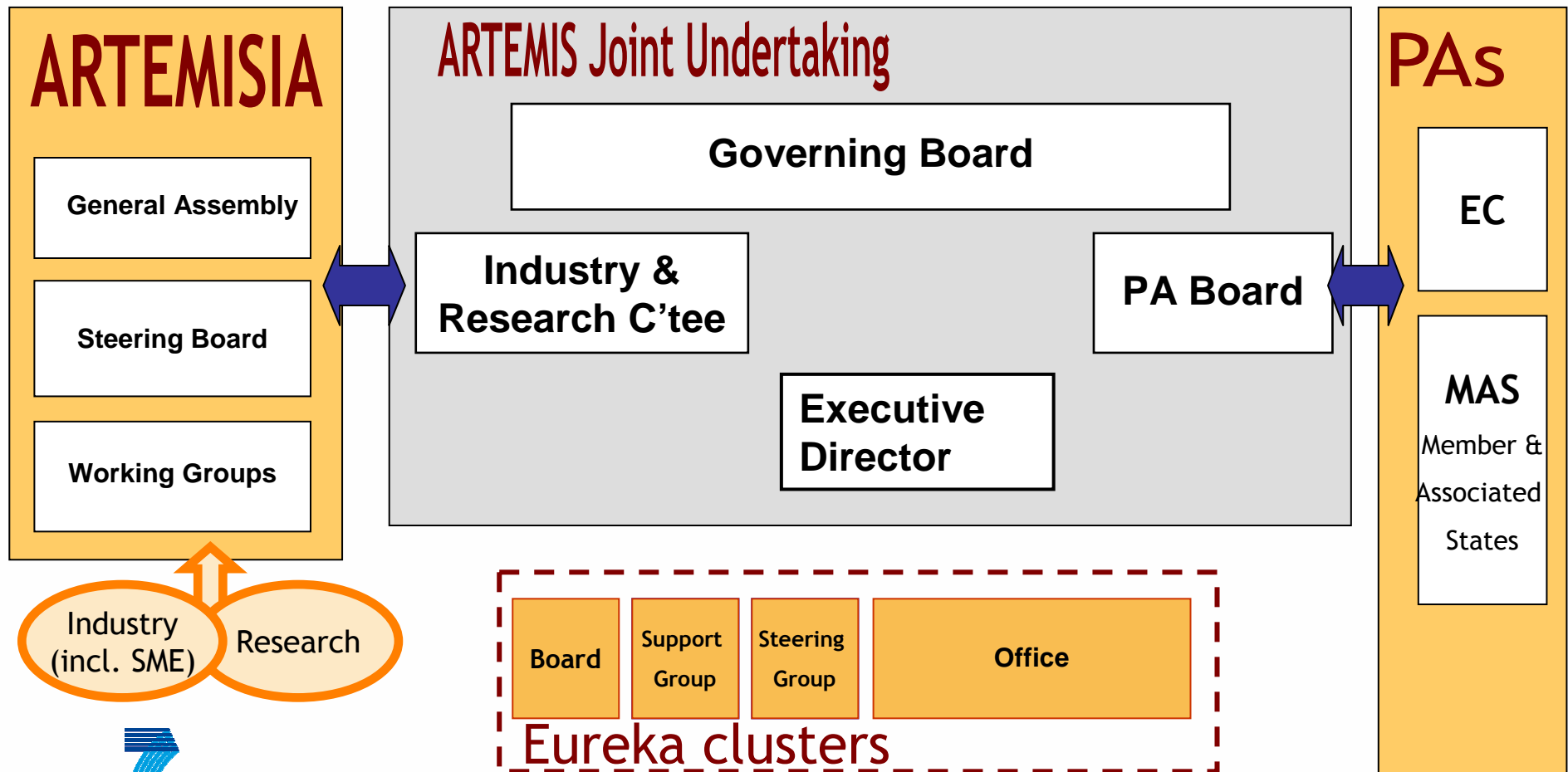
- **Single R&D programme, focusing on specific SRA objectives for downstream research:**
 - To bring together fragmented efforts & build critical mass
 - A combination of national, European & private funding
 - To stimulate additional R&D investment in Europe
 - Providing incentives to industry & Member States to increase their R&D investment
 - To combine the strengths of trans-national (EUREKA) & European programmes
 - No budget uncertainty (e.g. compared to Eureka)
 - No duplication of evaluation/monitoring procedures (as in Eureka)
 - Shorter time-to-contract, decentralised approach
 - Less red tape for participants

Making ERA in
electronics a reality!

Implementing the Strategic Research Agenda



Who would be involved ?

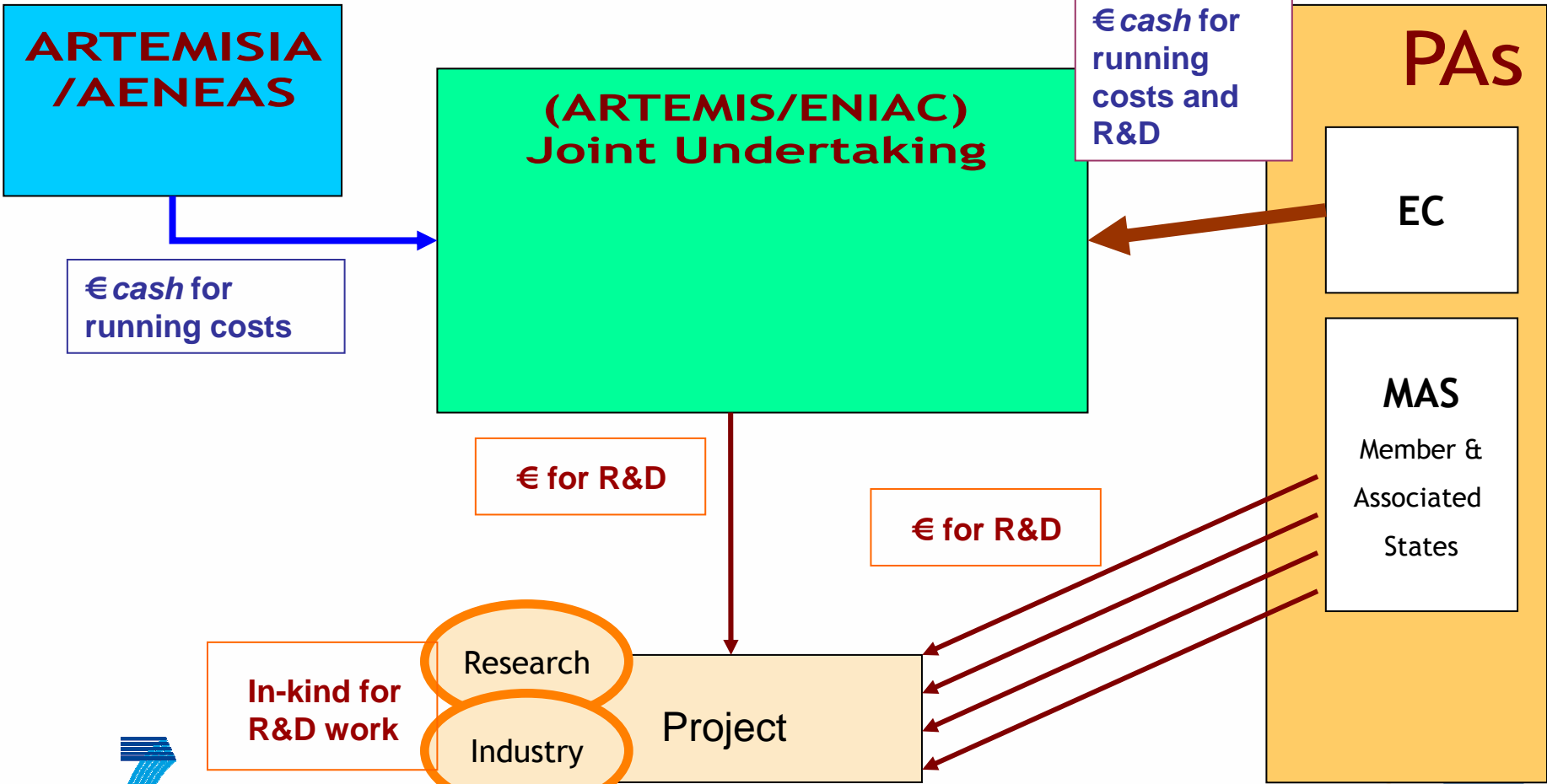


Budget of Joint Undertaking ARTEMIS

- Operating costs
 - ARTEMISIA: not exceeding 30m or 1% of R&D costs
 - Commission: not exceeding 10m
 - Member States and associated countries: in-kind
- Total R&D budget of the initiatives (total R&D costs in projects):
 - Community (FP7): ARTEMIS up to 410 million €
 - States: > 1.8x Community contribution
 - R&D actors: in-kind >50% of costs (50% in FP - ~65% in EUREKA)

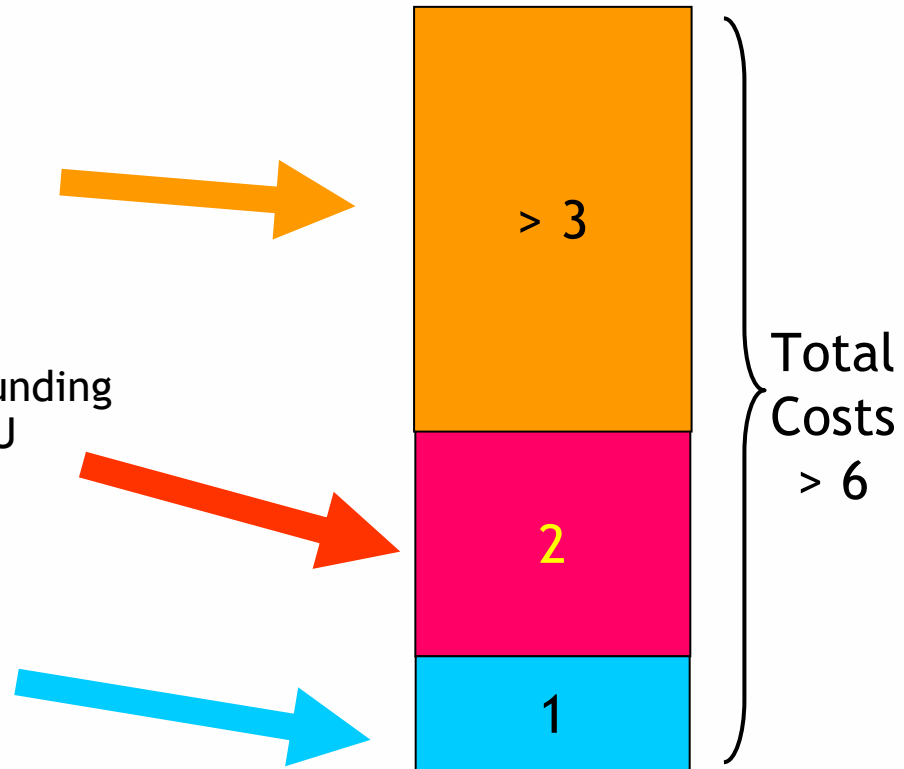
ARTEMIS ~2.6 billion €

Joint Undertaking funding flow



Joint Undertaking: Example of project financing

- Industrial:
 - 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



Participation in JTI: What's in it for me?

(1/4)

- **Participation for Industry**

- *Clear objectives and deliverables* driven by industry's research priorities (SRA)
- *A partnership* approach, avoiding conflicts of interest.
- *An attractive funding regime with larger public budgets.*
- *Lower overheads for project delivery*, through single gateway access to funding with streamlined processes for evaluation, selection and monitoring.
- *Reduced time to market* for new products and services due to the faster proposal evaluation and project selection process.
- *European-scale networks* between SMEs, large companies and academia that will speed the take-up and deployment of technologies
- A long term commitment from public authorities (7 year) towards industry

Participation in JTIs: What's in it for me?

(2/4)

- ... in particular SMEs
 - SME participation is ~40% in ITEA (Eureka cluster) and ~26% in FP6 (Call 5, embedded systems)
 - JTI is more advantageous for SMEs:
 - simplified procedures of Joint Undertaking
 - shorter time to contract
 - contracting/administrative handling of costs at local/national level
 - Member State policies for SMEs are complementary to JU!

Participation in the Joint Undertaking: What's in it for me? (3/4)

Industry in ARTEMISIA

- ARTEMISIA will represent European R&D actors in the JTIs
- Unique opportunity to shape the future evolution of the industrial R&D!
 - Definition of Strategic Research Agenda and Calls for proposals
 - Definition of industrial policy and activities of the JTI
- Voting rights for elections and key decisions
- ARTEMISIA will continue the current activities of the Technology Platform
- Extensive and respected network of potential R&D partners
- Fee structure: cost similar to Eureka

Participation in the Joint Undertaking: What's in it for me? (4/4)

Member States

- Mobilisation of resources, leveraging own resources against European and industry funding.
- Critical mass, through the opportunity to have national budgets work in synergy and avoid duplication of effort.
- Strategic management, by having a key role in the JTI's decision-making procedures.
- Cost-effective implementation not excessively disruptive for national administrations, taking advantage of existing arrangements for contracting and processing of cost claims under Eureka.

Expected Benefits

- **Political**
 - Pioneering approach in pooling public and private efforts
 - Common framework to pursue joint European-level strategy (ERA)
 - Increase in R&D expenditure (Barcelona objectives)
- **Economic**
 - Unprecedented **leverage effect** of EC investment
 - 1 EC Euro will trigger 5-6 Euros of further investment
 - Direct **economic impacts** (e.g. exceeding 100 billion euros) by the achievement of JTIs' goals
 - Fast cycle time. Reduction of time-to-project and shortened time-to-market for research results
 - Boosting the **competitiveness** of EU industry
 - Impact on key **applications**
- **Programme efficiency**
 - Approach adapted towards **industrially driven** applied research with features that attract further **SME** participation
 - Avoid budget uncertainty and duplication of procedures
 - Administrative handling by national administrations

ARTEMIS JTI - Legislative process

Expected timetable

- ✓ **Presentation in Council on 22 May**
- ✓ **Meetings of Council Research Working Party (ongoing)**
- ✓ **European Parliament**
 - ✓ Discussion in ITRE Committee (Sept - Nov)
 - ✓ Vote at EP Plenary (Nov/Dec)
- ✓ **European Economic Social Committee**

Every effort made to have a decision by the end of 2007

Gracias por su atención

