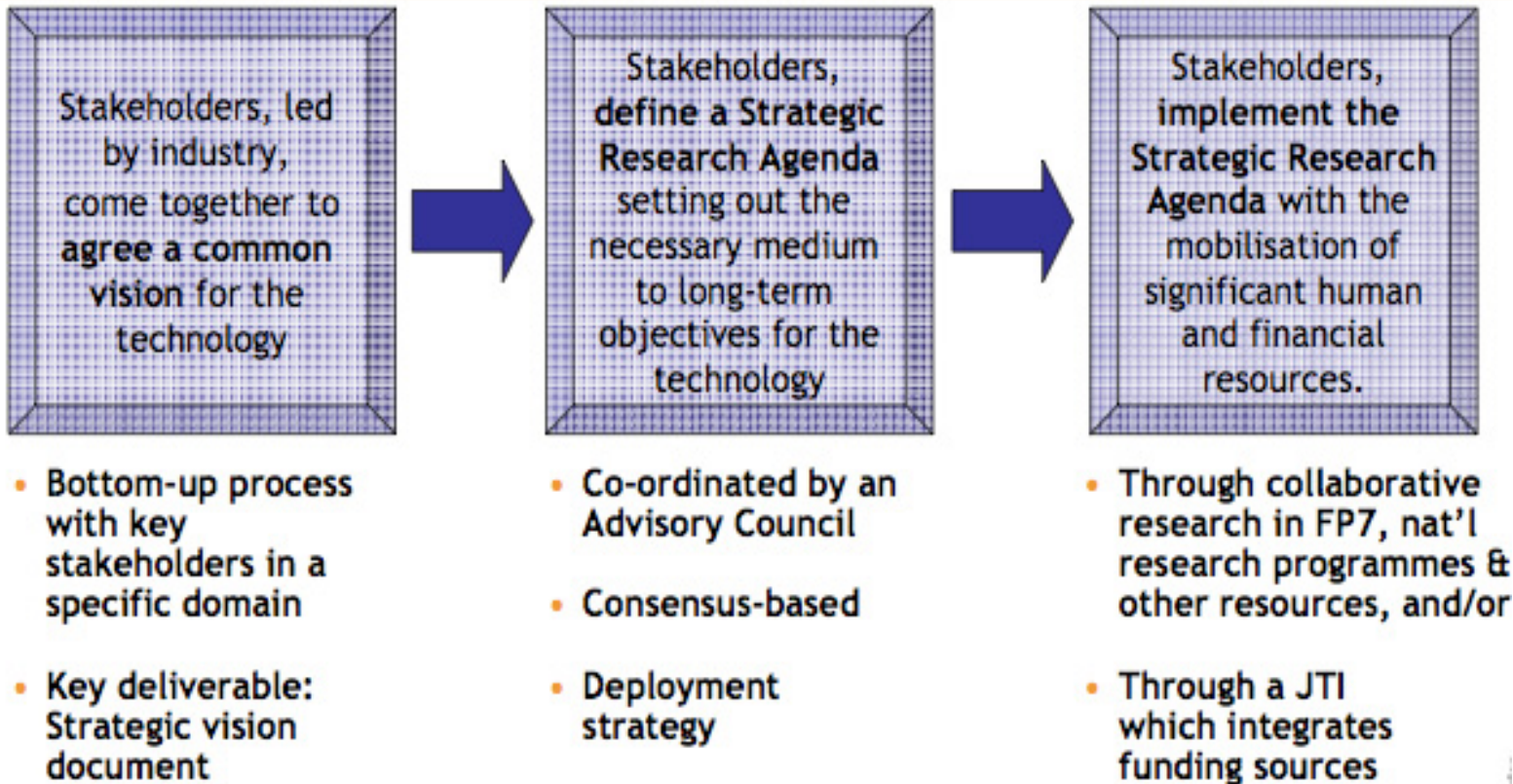


# Ευρωπαϊκή Πλατφόρμα ENIAC

**Δρ. Κων/νος Ζεκεντές**  
**Ομ. Μικροηλεκτρονικής - ΙΤΕ**

# European Technology Platforms (ETPs)



# Two ETPs in ICT

## Nanoelectronics:

addressing the needs of silicon-based technologies & beyond

- shrinking of CMOS logic & memory devices
- development of value-added functions for system-on-chip or system-in-package solutions
- equipment & materials
- design automation



[eniac.eu](http://eniac.eu)

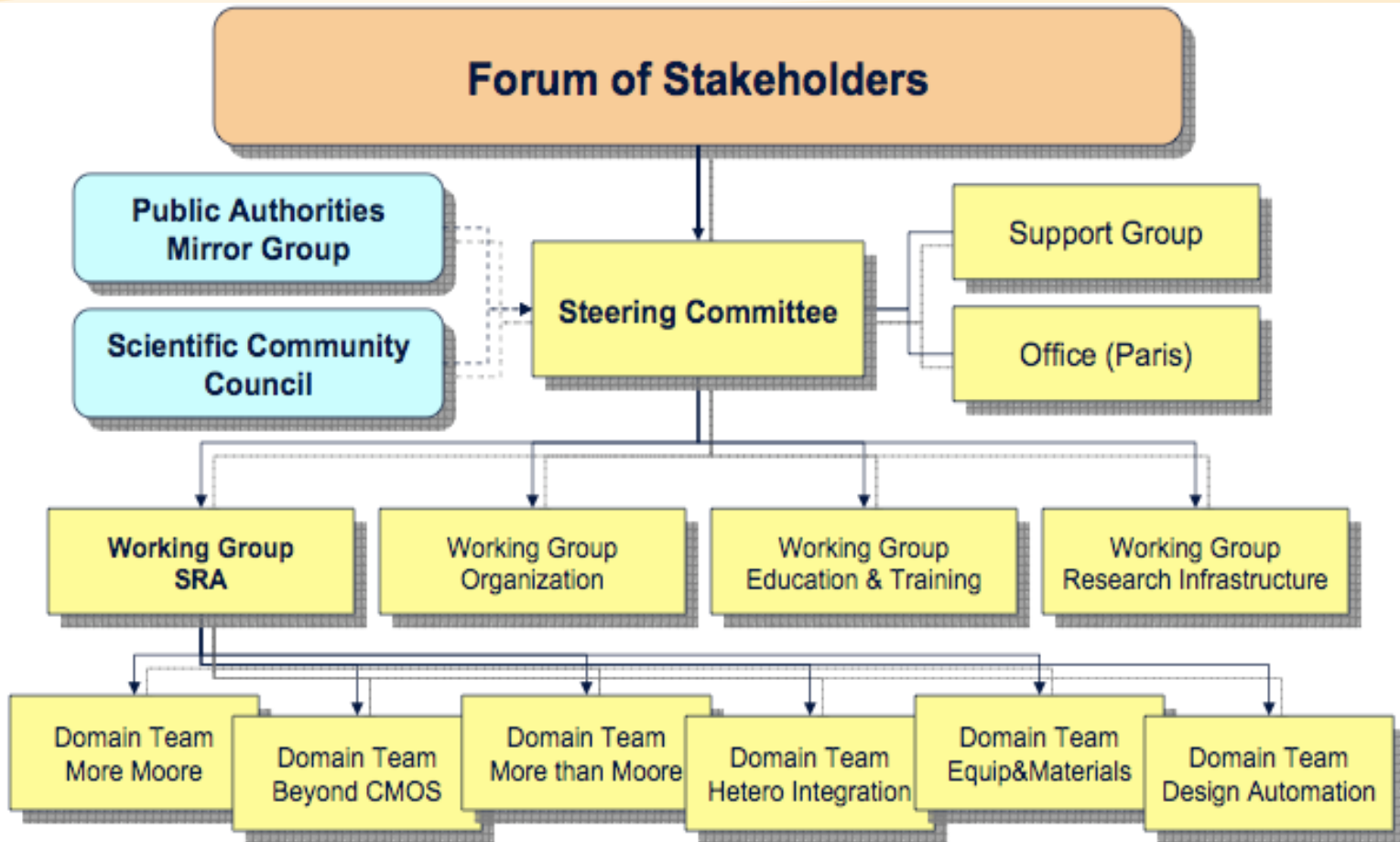
## Embedded Computing Systems: ubiquitous, interoperable & cost-effective embedded systems

- reference designs and architectures
- middleware for interoperability and seamless connectivity
- integrated design software tools for rapid development & prototyping



[artemis-office.org](http://artemis-office.org)

# ENIAC Organization



# Strategic Research Agenda (SRA).

- 1<sup>st</sup> update Nov 30, 2006

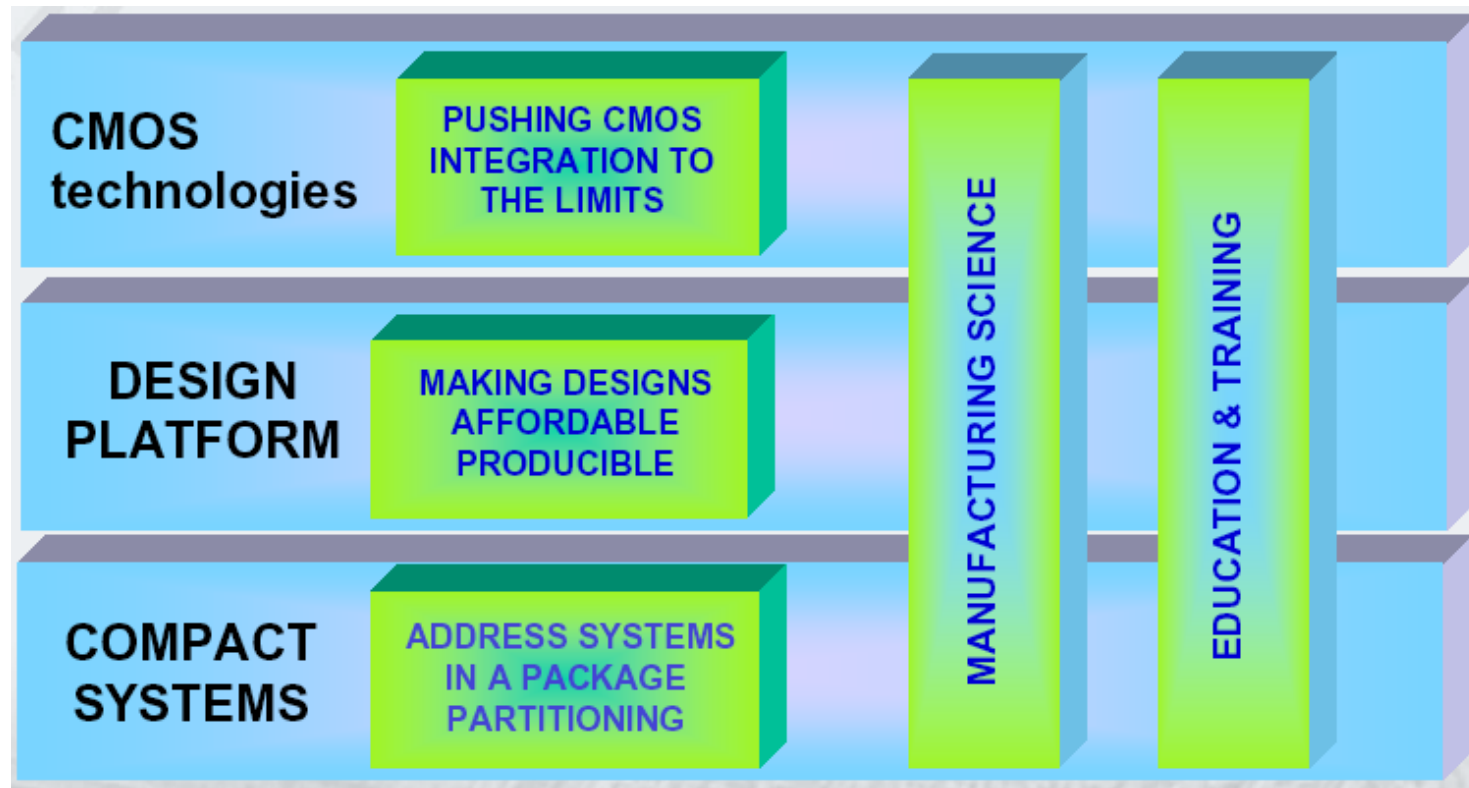


- 1<sup>st</sup> edition Nov 23, 2005



- [http://www.eniac.eu/web/local\\_index.php](http://www.eniac.eu/web/local_index.php)

# ENIAC Domains of collaboration. Priority themes.



# Implementing SRA via a Joint Technology Initiative (JTI)

- Bringing together fragmented efforts, e.g. building critical mass (ERA)
  - Combine, for the first time, national, EC and private funding in a single R&D programme that focuses on specific joint objectives (SRA)
- Ramping up R&D investment in Europe
  - Provide incentives to industry and Member States to increase R&D investments
- Combining the strengths of trans-national (EUREKA) and of European programmes – while overcoming their weaknesses
  - No budget uncertainty
  - No duplication of evaluation/monitoring procedures
  - Shorter time-to-contract
  - No additional red tape for participants

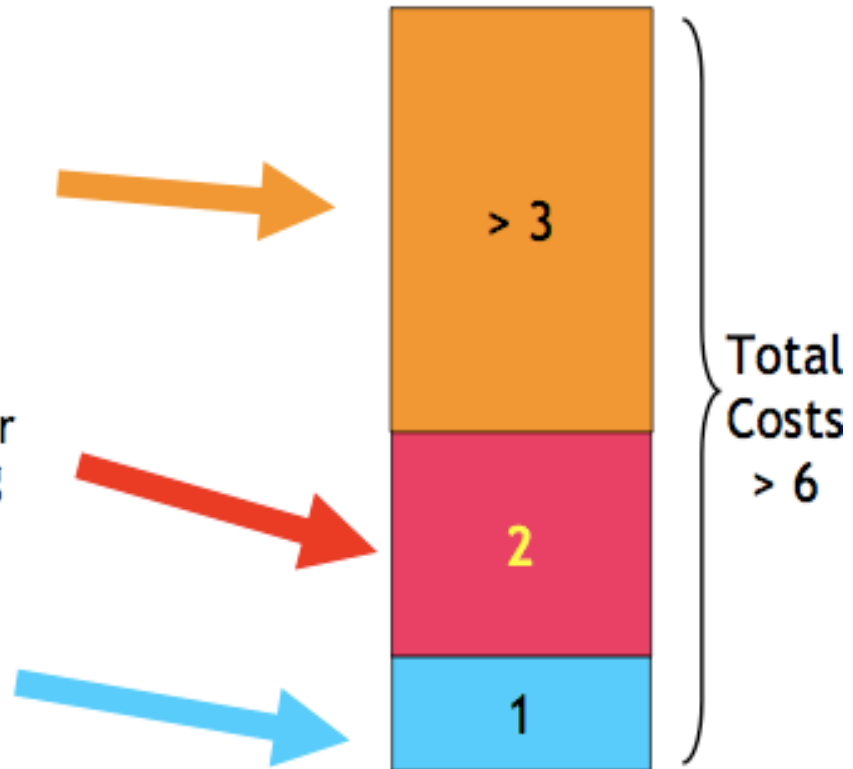
# JTI operations: Main principles

- Legal structure: **Joint Undertaking** based on Art. 171 EU Treaty
  - To receive and manage funds from EC, industry and possibly other sources
  - To guarantee agreed JTI processes, as basis for EC and national decisions
- Operations should combine best of FP and EUREKA worlds
  - Annual calls for proposals
  - Common processes, unified among participating countries
  - Built-in harmonisation & synchronisation of national funding decisions
  - Contracting & processing of cost claims at national level
- Governance principles
  - Transparency & openness in participation & operations
  - Industry-led public-private partnership
  - Public Authorities decide when public money is involved

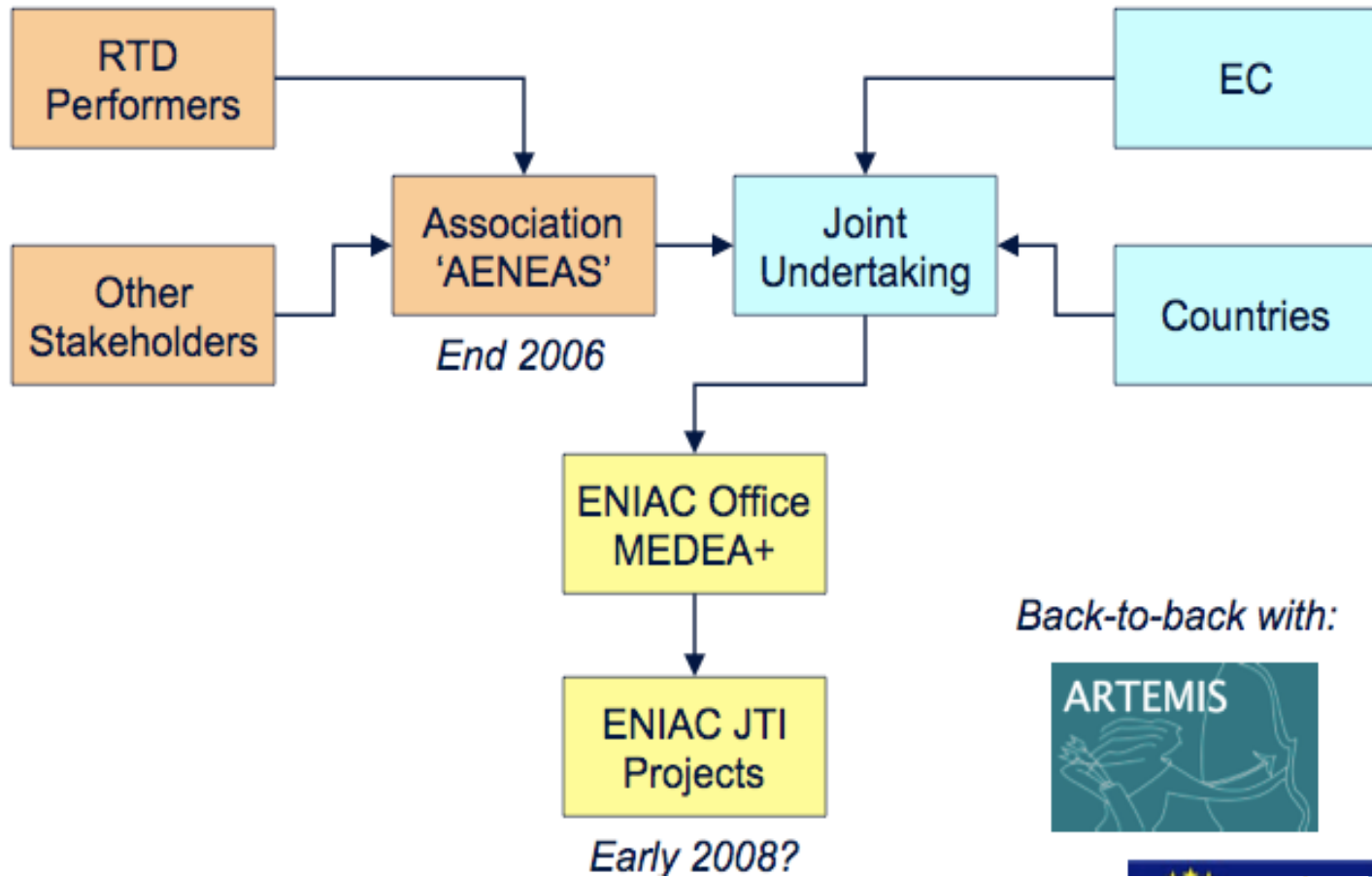


# ENIAC & ARTEMIS JTI financing

- Industrial:
  - at least 50% in-kind
- Participating States:
  - national contracts
  - possibility of cross-border funding & subcontracting to other JU member participants
- European Commission:
  - In addition to national payments



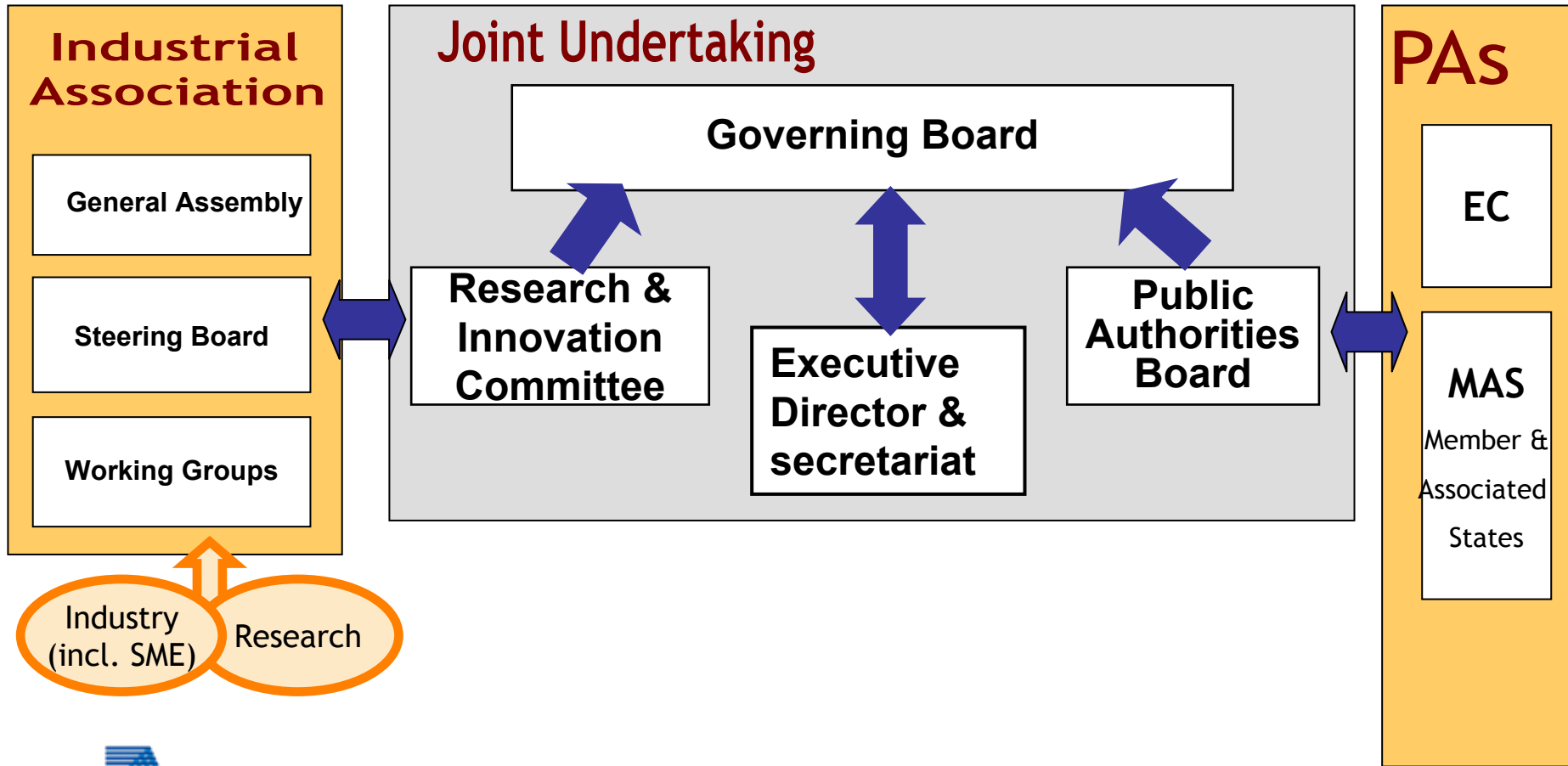
# The process toward JTI ENIAC



Back-to-back with:



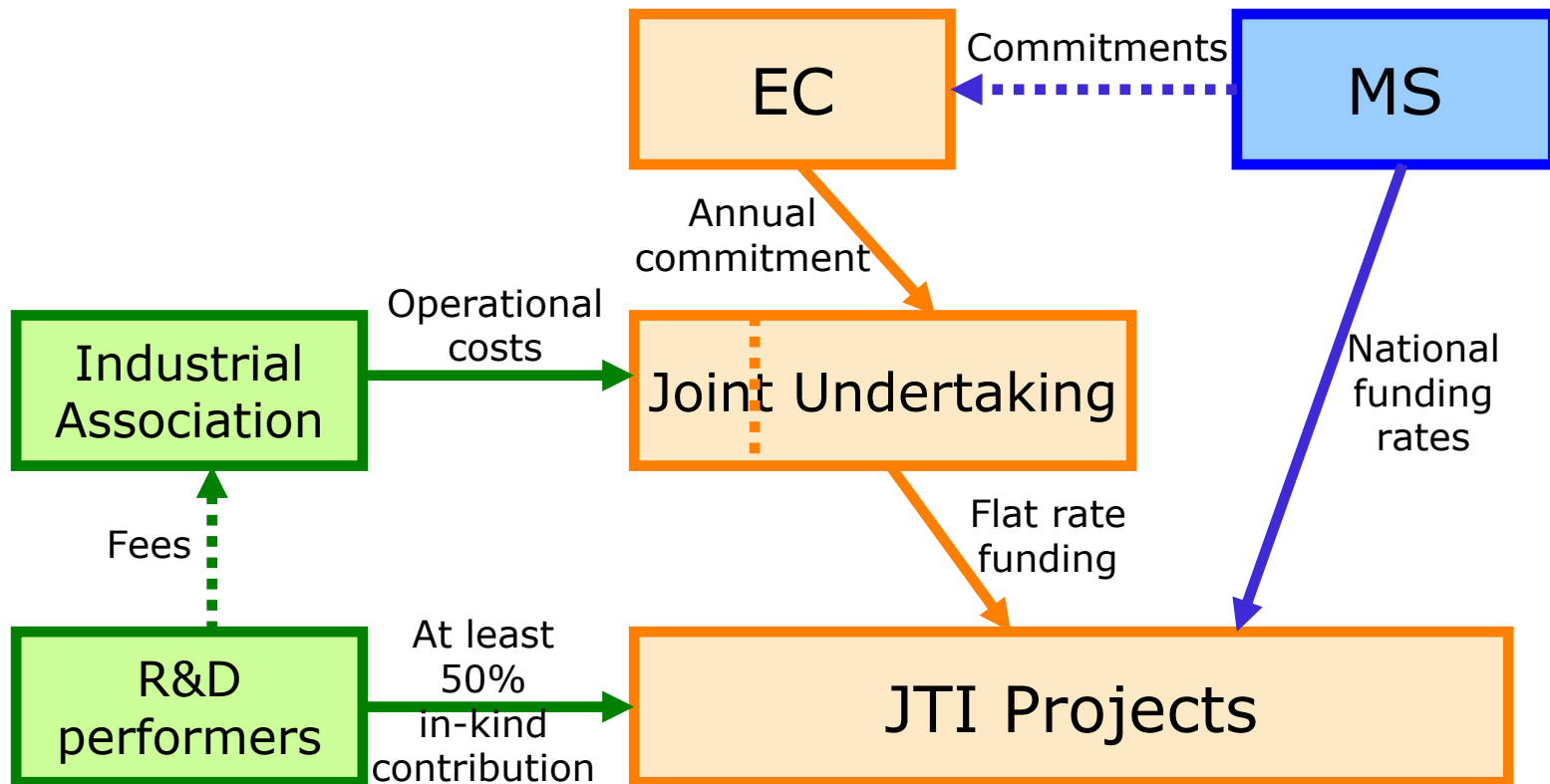
# JTI ENIAC governance



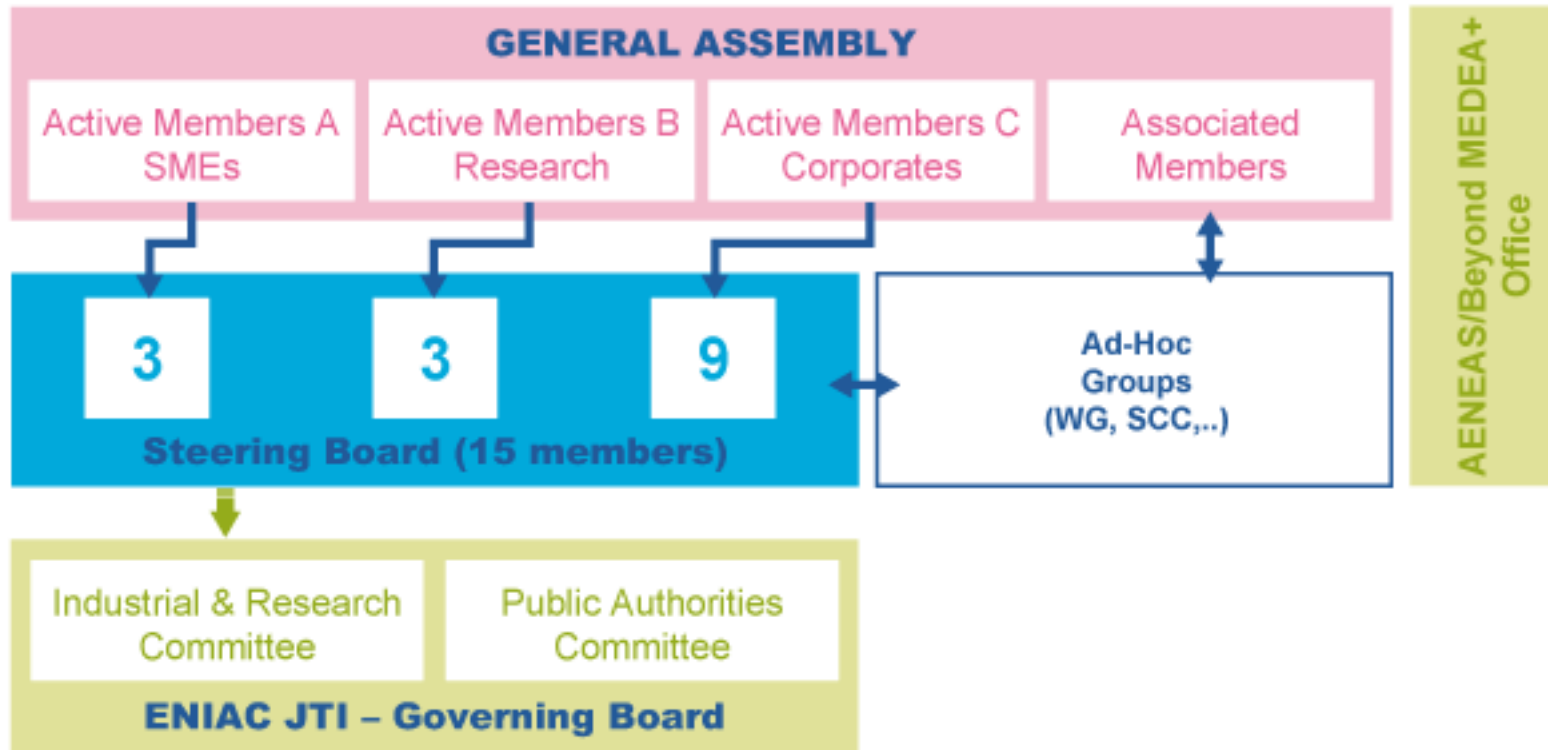
# Names & Definitions

- **ENIAC** (European NanoElectronics Initiative Advisory Council) is the 'European Technology Platform' (ETP)
- For formal reasons, the name **ENIAC** will be kept also for the Joint Technology Initiative and the Joint Undertaking
- For the Industry Association: proposed name **AENEAS** (Association for European NanoElectronics Activities)
- Tasks of the Association:
  - Representation of Industry in the JU (via the Industry Board)
  - covers JTI operations cost

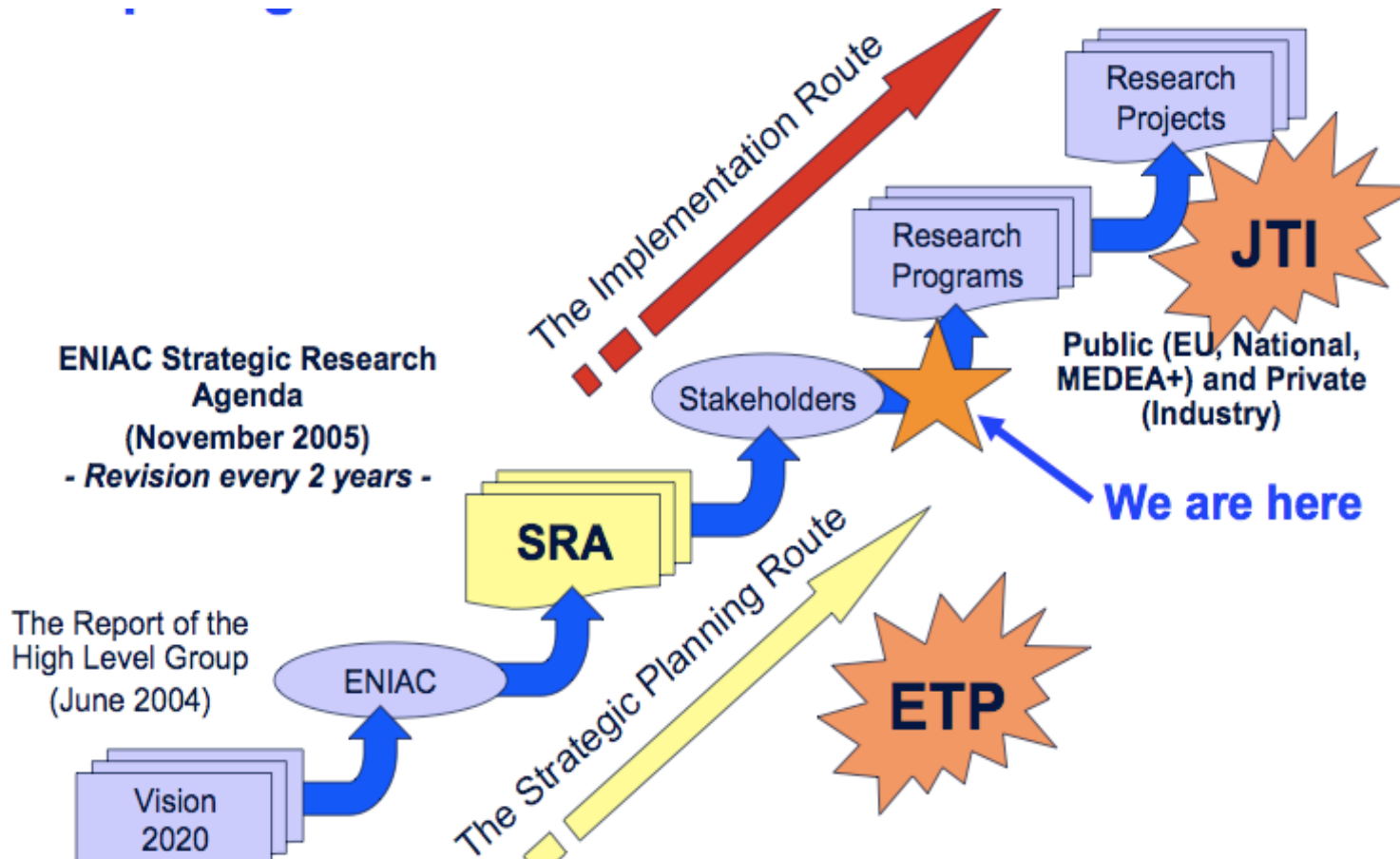
# Financing scheme.



# AENEAS governance



# Preparing the future



# Greek representatives

**Dr. A. Nassiopoulou:**  
**ENIAC Scientific Community Council**

**Dr. K. Zekentes:**  
**ENIAC Mirror Group**

**Dr. M. Katevenis**  
**ARTEMIS Mirror Group**



# Conditions for Greek participation in ENIAC

- **Determine whether ENIAC priorities fit with that of Greek companies and R&D organizations.**
- **Participation in AENEAS (ENIAC Greek association like Austria, Spain,..)**
- **Specific budget allocation from Greek government.**

# **Greek participation in ENIAC: Next steps**

- **Determine critical mass of eventual participants. Consult SRA  
=>Filling information table (up to 9/2007).**
- **Information day - Assembly of interested organizations & people. (9/2007)**
- **Greek participation in AENEAS (12/2007).**

# Further information

- <http://www.eniac.eu/index.php>
- <http://cordis.europa.eu/ist/eniac/>

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