



European Nanoelectronics  
Initiative Advisory Council

# ENIAC Achievements and Future Outlook

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ENIAC Forum

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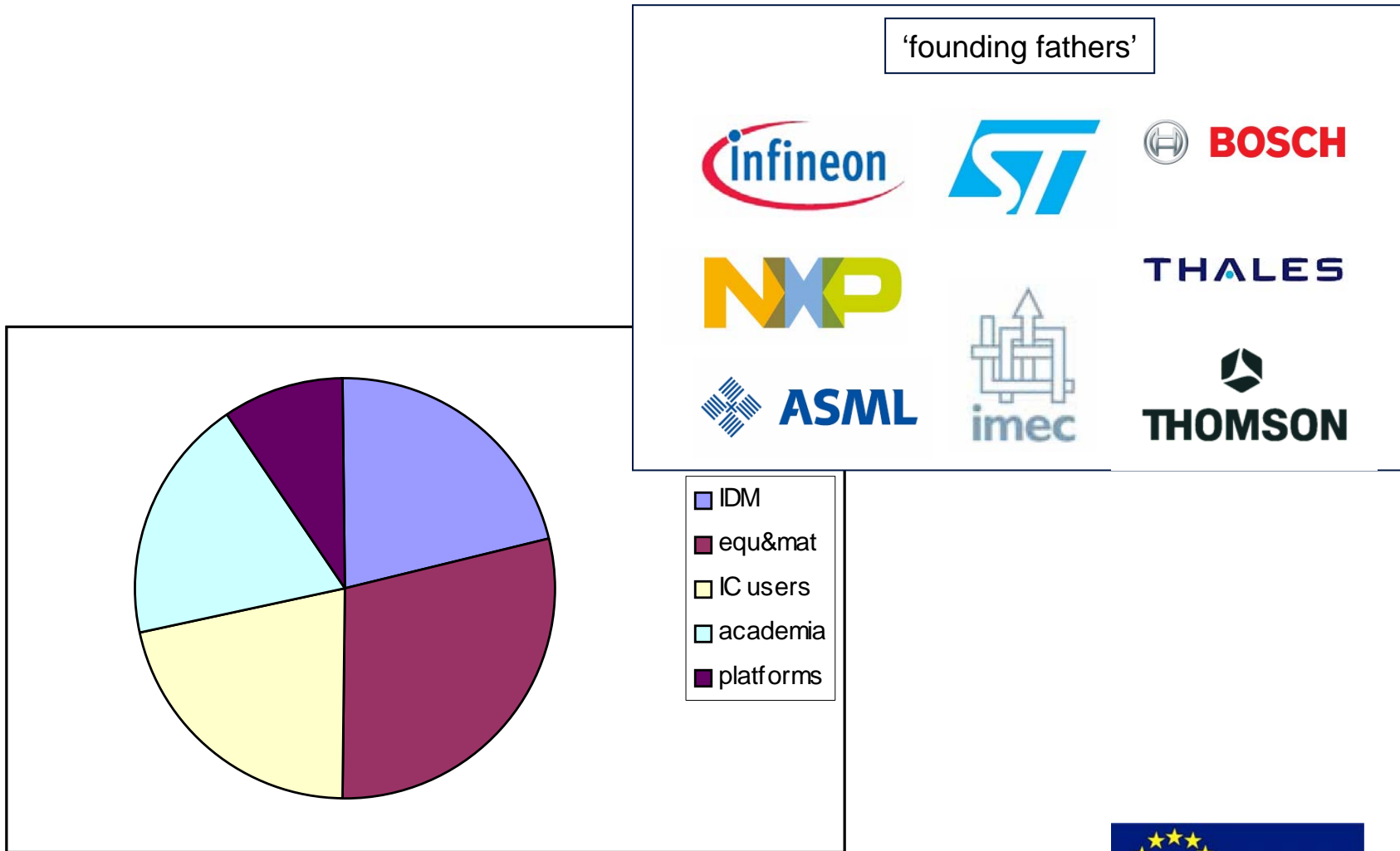
# ENIAC strategic objective: preparing for the European nanoelectronics future

- Serve the European Semiconductor value chain
  - Include suppliers, producers and users
- Connect and strengthen European high-quality competencies
  - Enabling critical knowledge, including SMEs
- Identify disruptive technologies to solve blocking points
  - Guided by SRA Domain Teams
- Focus on research leading to industrial innovation
- Enhance cooperation between industry and academia
  - Strong R&D ecosystems in each sub domain

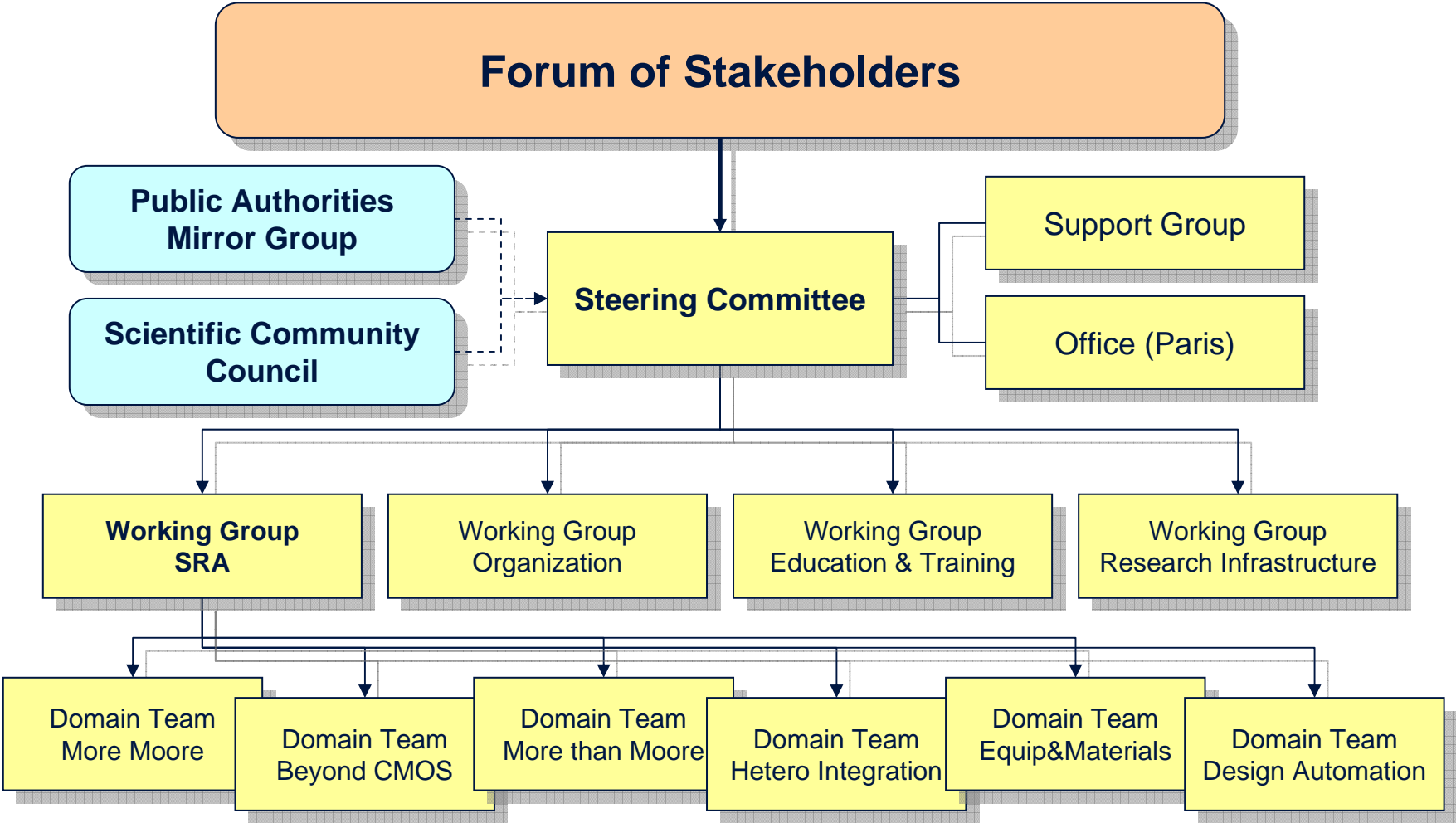
# ENIAC achievements

- Vision document released in 2004
- High-level Steering Committee with commitment from major industries
- Still growing Forum of Stakeholders
- Working Groups on four key topics
  - SRA, Organization, Research Infrastructure, Education
- ENIAC Office opened this year in Paris (co-located with MEDEA+)
- Public Authorities Mirror Group
- Strategic Research Agenda released Nov 2005, updated Nov 2006
- Scientific Community Council
- PRINS R&D infrastructure proposal on ESFRI draft roadmap
- JTI preparations reaching final phase (a.o. AENEAS Association)

# ENIAC was founded in 2004, and today has grown to over 40 stakeholders



# The ENIAC organisation



# Forum of Stakeholders Representing the 'EU of Nanoelectronics'

Adixen	CSEM	MEDEA+
Air Liquide	EADS	NXP Semiconductors
AIXTRON	Ericsson	Qinetiq
AMAT Israel	FEEI	Robert Bosch
AMD Saxony	Finmeccanica	SEMI
AMI Semiconductor	Fraunhofer Gesellschaft	Siltronic
ARM	Freescale	SOITEC
ASM International	Genesis	STMicroelectronics
ASML	IBM Research Zurich	Thales
Atmel	IMEC	Thomson
Axalto	Indesit	Tyndall National Institute
Bull	Infineon Technologies	Umicore
Carl Zeiss SMT	Intel	Unaxis
CNRS	LETI-CEA	VTT

# Public Authorities Mirror Group Representing the countries

Austria  
Belgium  
\*Bulgaria  
Denmark  
Finland  
France  
Germany

Greece  
Ireland  
\*Israel  
Italy  
Latvia  
Lithuania  
Malta

Netherlands  
\*Norway  
Portugal  
Spain  
Sweden  
\*Switzerland  
United Kingdom

*\*non-EU*

# Countries in Scientific Community Council Representing the academia

Austria

Belgium

Cyprus

Czech Republic

Denmark

Estonia

Finland

France

Germany

Greece

Hungary

Ireland

\*Israel

Italy

Latvia

Malta

Netherlands

Poland

Portugal

Slovakia

Slovenia

Spain

Sweden

\*Switzerland

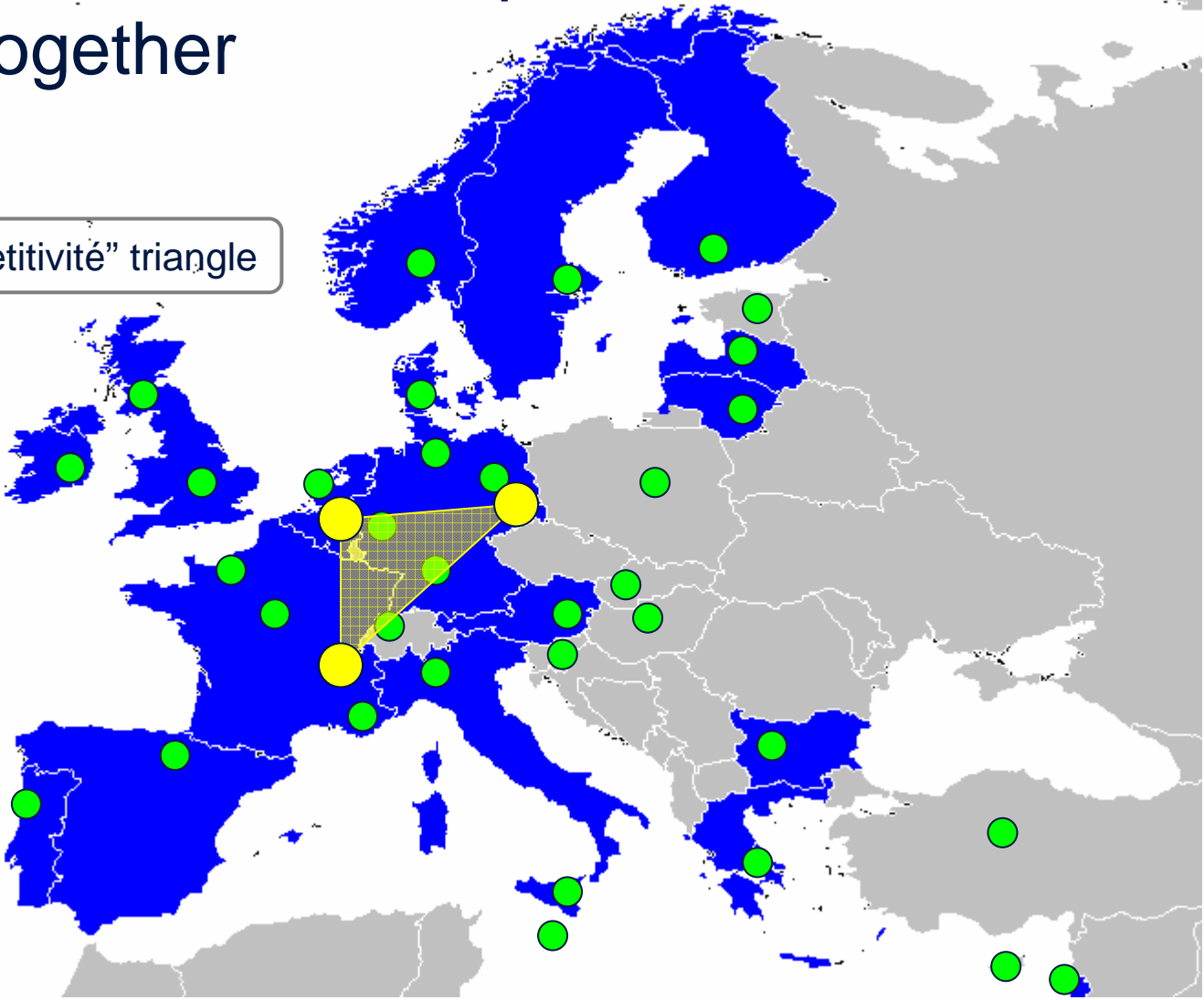
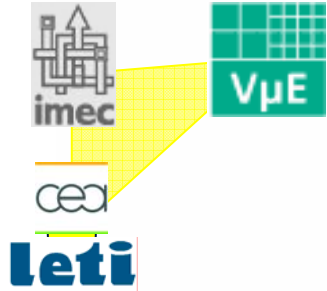
\*Turkey

United Kingdom

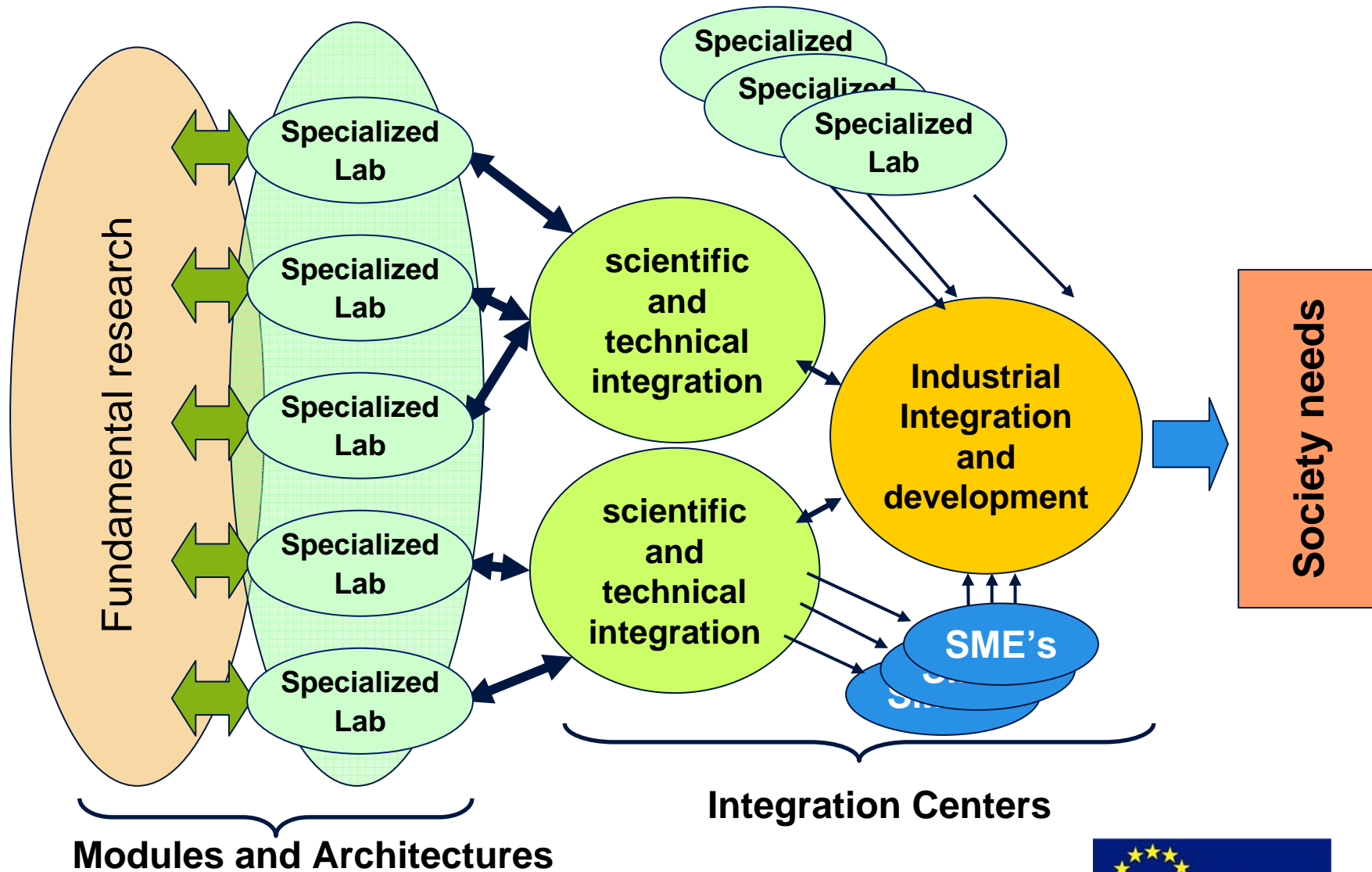
*\*non-EU*

# Industry, academia, and public authorities working together

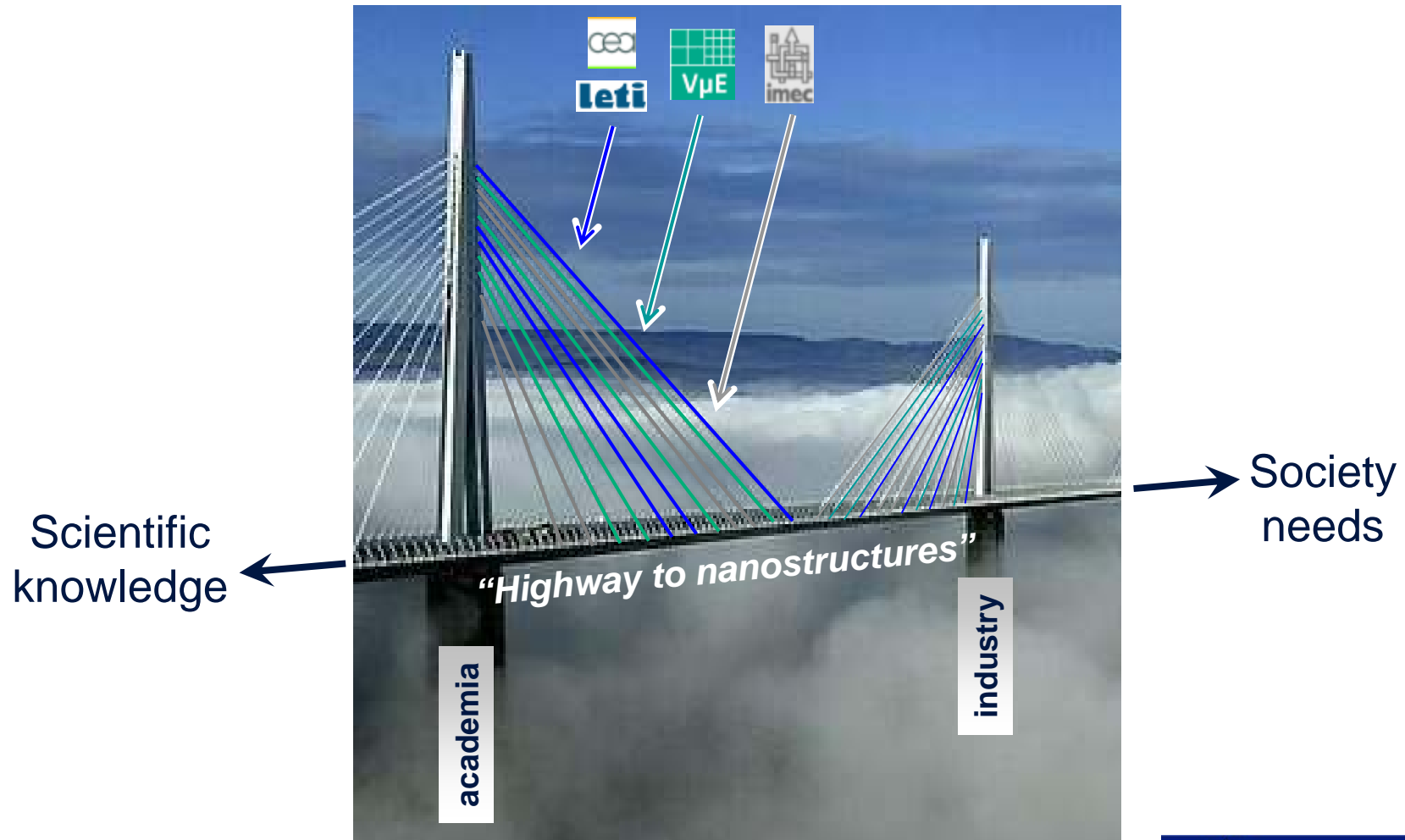
● “Pôles de Compétitivité” triangle



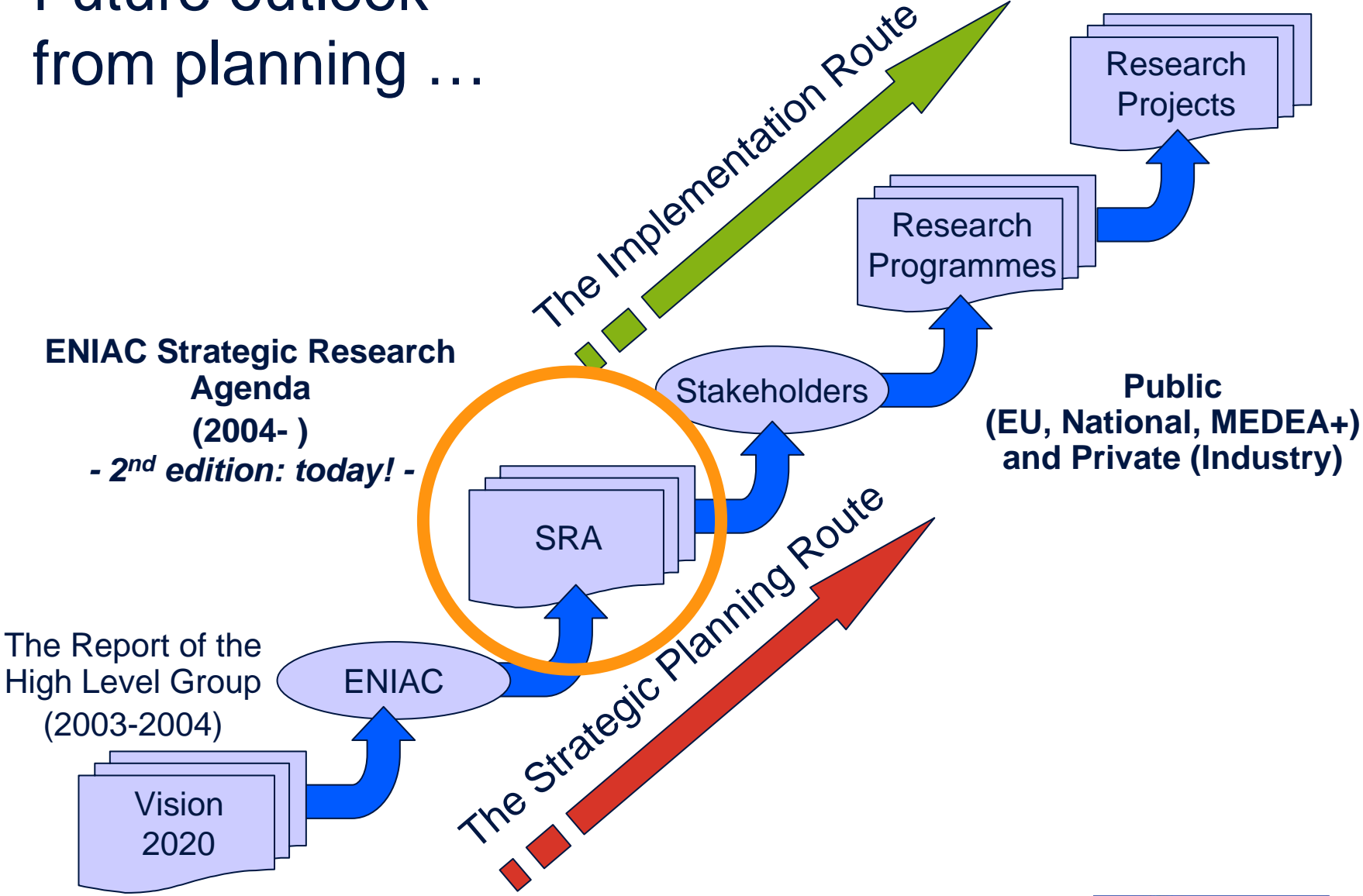
# Focused organization of essential research



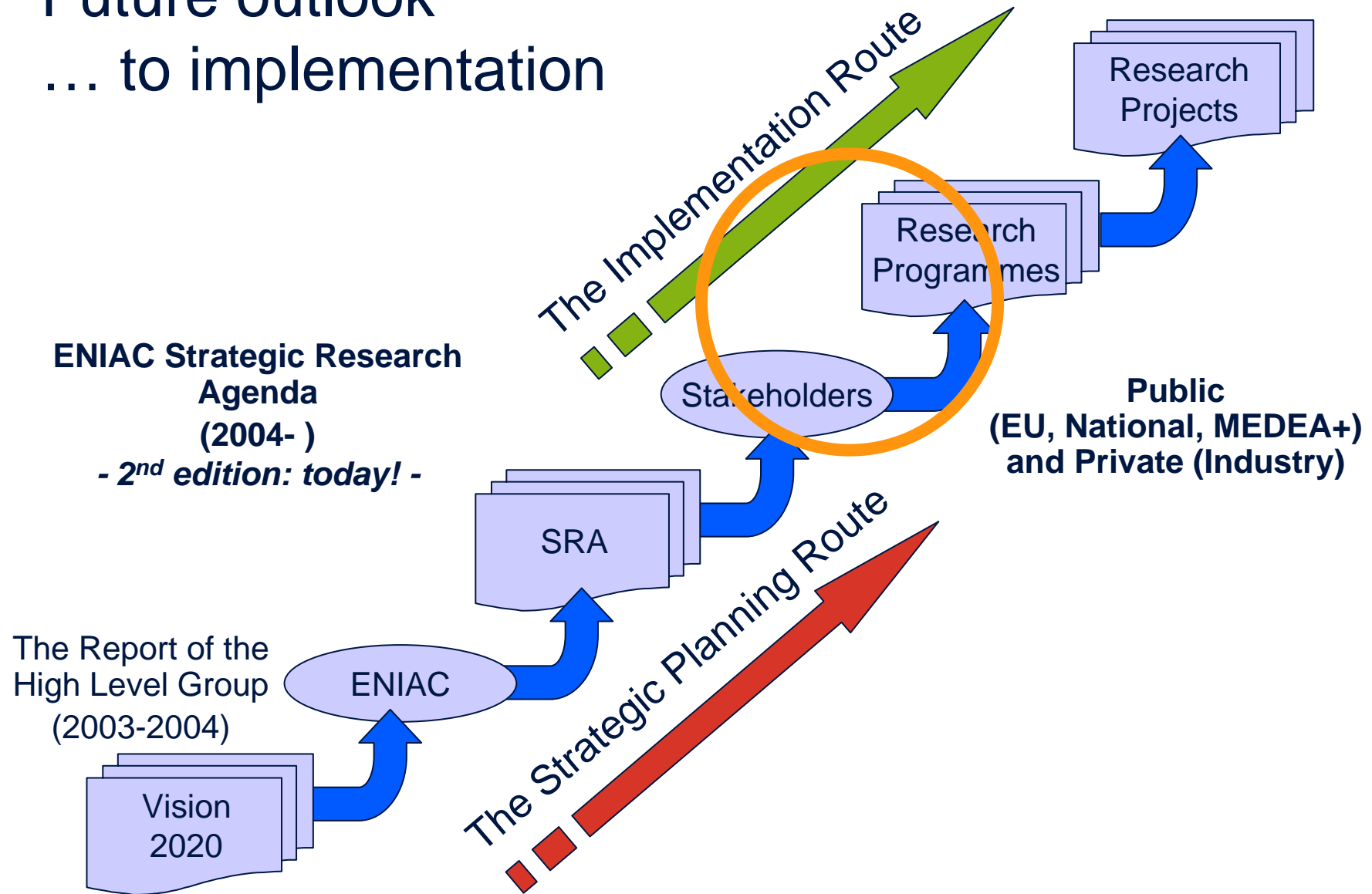
# Connecting the R&D ecosystem with 'PRINS' Now on ESFRI draft roadmap



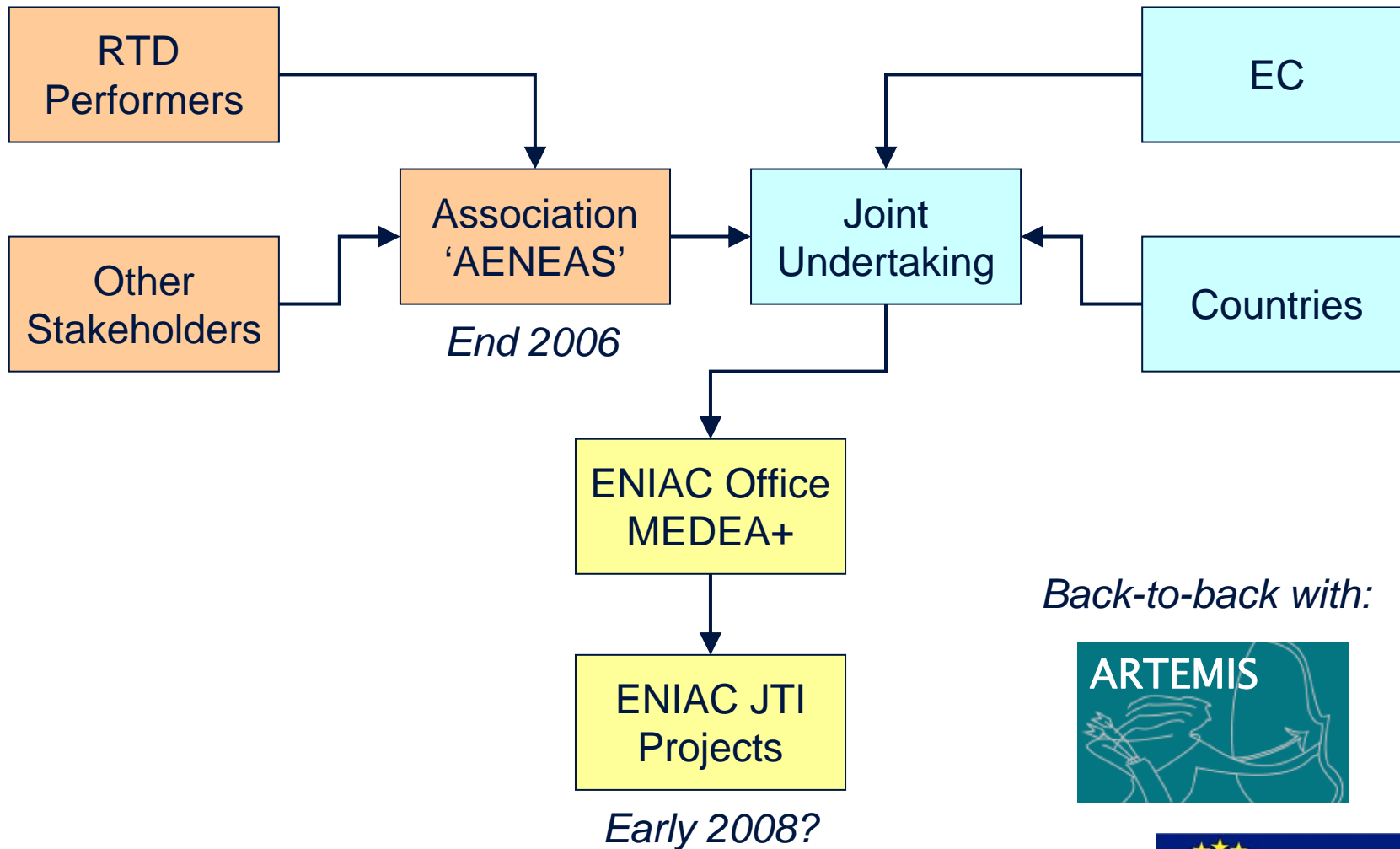
# Future outlook from planning ...



# Future outlook ... to implementation



# The process toward a Joint Technology Initiative



Thank you for your attention!

