

# Research in Electronics – A time to act

EIF Dinner Discussion – 12 September 2006

Comment by

Erkki Ormala

Vice President, Technology Policy

Nokia

# European R&D and Innovation Landscape

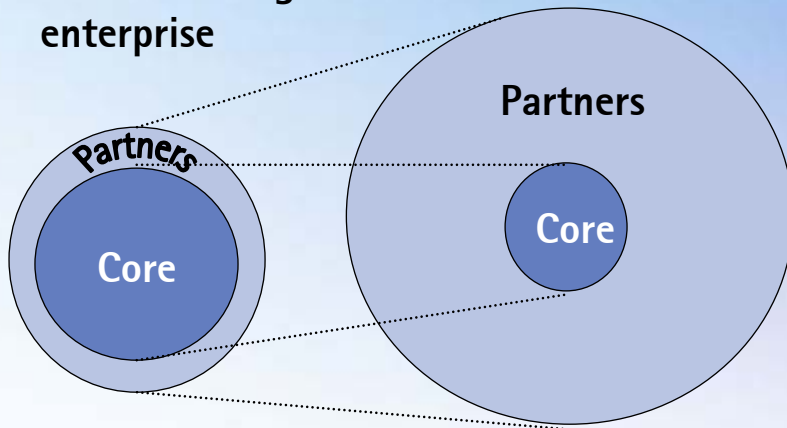
- Good, but fragmented scientific performance
- Low level of industrial R&D
- Insufficient innovative performance
- Increasing competition from outside
- Low interest in science and engineering
- Inability to mobilize sufficient resources to respond to the global challenge

# Innovation networks and ecosystems

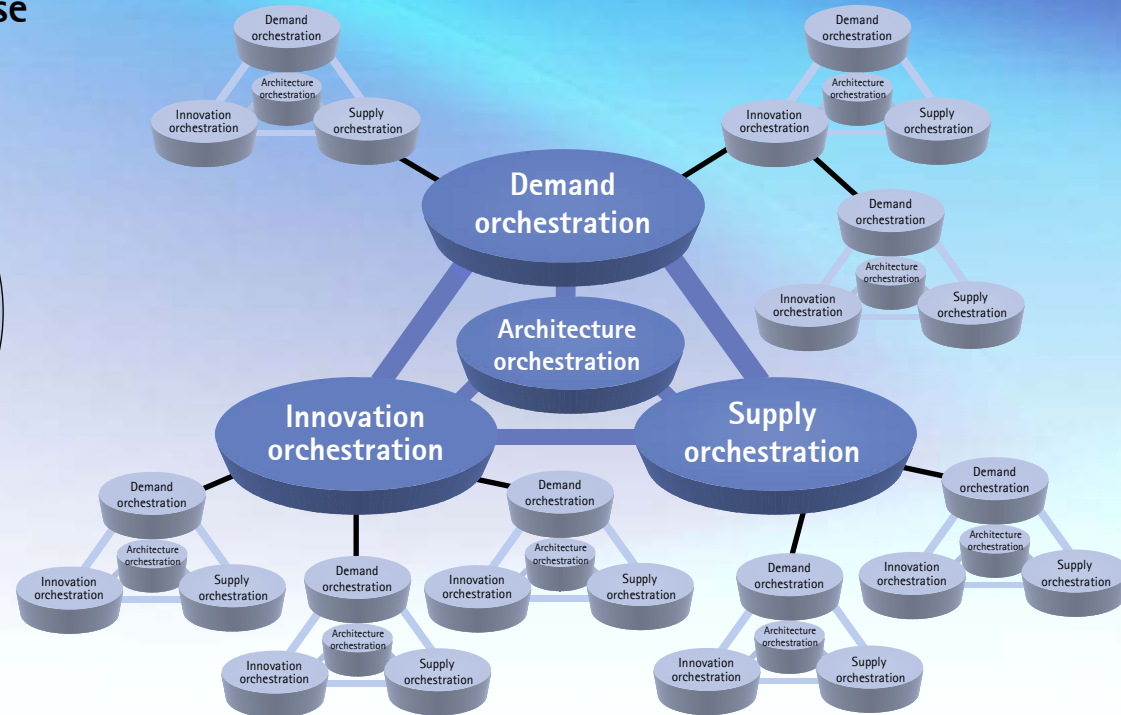
enable new ways of knowledge creation and utilization

to extended enterprise

From traditional large enterprise

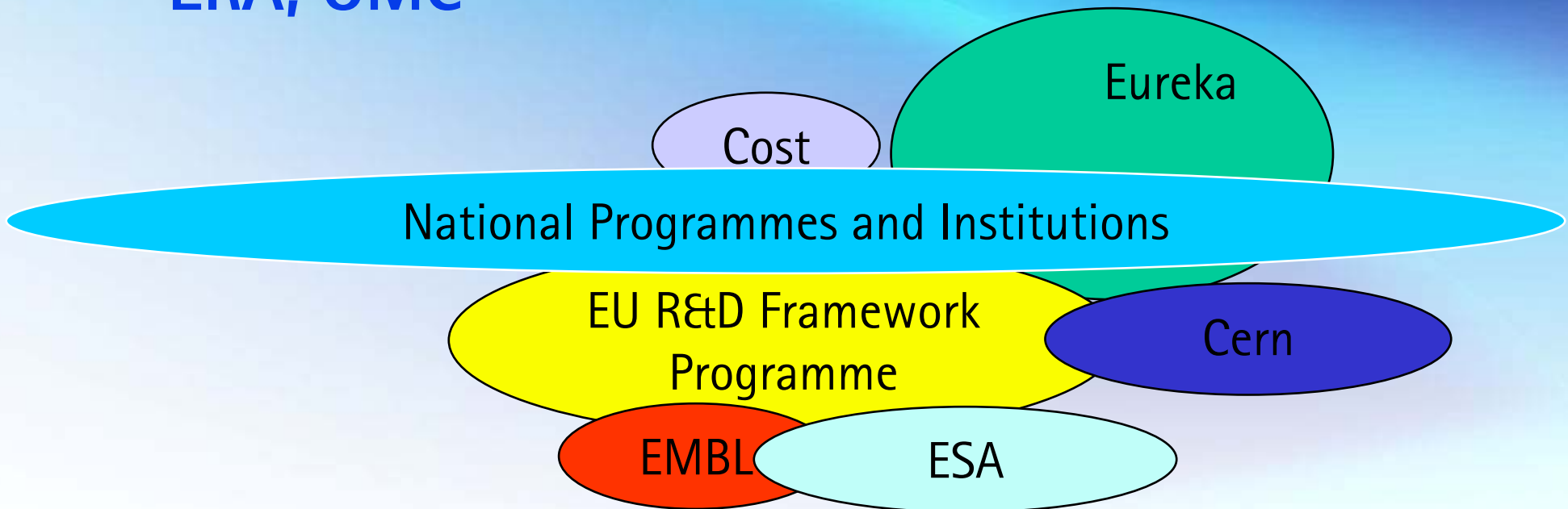


with orchestration capability



# European R&D cooperation architecture

ERA, OMC



# TPs and JTs are critical tools to restore European competitiveness

- **Improve and harmonize the framework conditions and innovation funding schemes**
- **Provide a platform for large scale research programs based on shared long term SRAs to reduce fragmentation**
- **Build industrial ecosystems (clusters) to gain leadership of the new emerging value domains**
- **Capture the critical knowledge assets to enhance value generation in the network economy**
- **Replicate the success of GSM**

# Technology Platform for ICT

**Networked European  
Software and Systems  
NESSI**

**Mobile and wireless  
Communications techn.  
eMobility**

**European robotics  
platform**

**Networked and  
Electronic media  
NEMI**

**European  
Nanoelectronics  
Initiative  
ENIAC**

**Embedded Intelligent  
Systems  
ARTEMIS**

*Other possible themes to  
be identified later...*

# The action

**Commit to fund and implement  
the Artemis platform during the  
Finnish Presidency**