

**EPoSS Launch Event  
Brussels, 05.07.2006**

**EPoSS  
The European Technology Platforms  
Smart Systems Integration**

**Vision and Status**

**Dr. Klaus Schymanietz, EADS  
*EPoSS Chairman***

## Starting Point:

Industry representatives met on 17.01.2005:

- Further development of microsystems technologies
- Definition of Smart Systems
- European dimension of the issue



**Decision to establish a European Technology Platform  
on Smart Systems Integration**

## History and Status

- **June 2005: Working Groups defined and first WGs set-up**
- **19.09.2005: Meeting with the Commissioner Ms. Reding and representatives of the Cabinet**
- **17.11.2005: Meeting with representatives of other ETPs**
- **Nov. 2005: Vision Paper of the founding members**
- **Feb. 2006: First draft of the SRA**
- **March 2006: WG established on Communalities**
- **April 2006: Approval by the DG Info Directors Meeting**
- **May 2006: Scientific Advisory Board established**
- **June 2006: Start for defining Projects for FP VII**
- **05.07.2006: Structure and procedures approved**
- **Strategic Research Agenda (1<sup>st</sup> Edition)**

## **Smart Systems Integration: the Basis for Future Products:**

### **Smart Systems...**

- **are able to diagnose a situation, describe it and qualify it,**
- **mutually address and identify each other,**
- **are predictive,**
- **are able to decide and help to decide,**
- **enable the product to interact with the environment.**

**They are miniaturised, networked, energy autonomous and highly reliable**

## **Building-up on a Good Basis**

- **Strong European research environment**
- **Good industrial basis**
- **Support of European research activities**
- **National strategies and programmes on Smart System Integration**
- **Education and training**



## **EPoSS Objectives**

- **Creating a basis for a sustainable representation of industry interests in EU R&D policy**
- **Increasing the existing EU budget for Micro-/Nano Integration and**
- **Determining the future path of MST towards Smart Systems Integration**
- **Preparing projects for the VII. Framework Programme**
- **Defining further actions beside and beyond the Framework Programme**

## The EPoSS Approach:

**From the Product to the System:**

- ➔ **Technologies + Integration**
- ➔ **Bridging the gap in the value chain**
- ➔ **Contributing to the objectives of the application focused ETPs**

# Technology Platforms in the MNT Environment



**Various technologies,  
silicon and non silicon  
integration,  
Devices and functions**



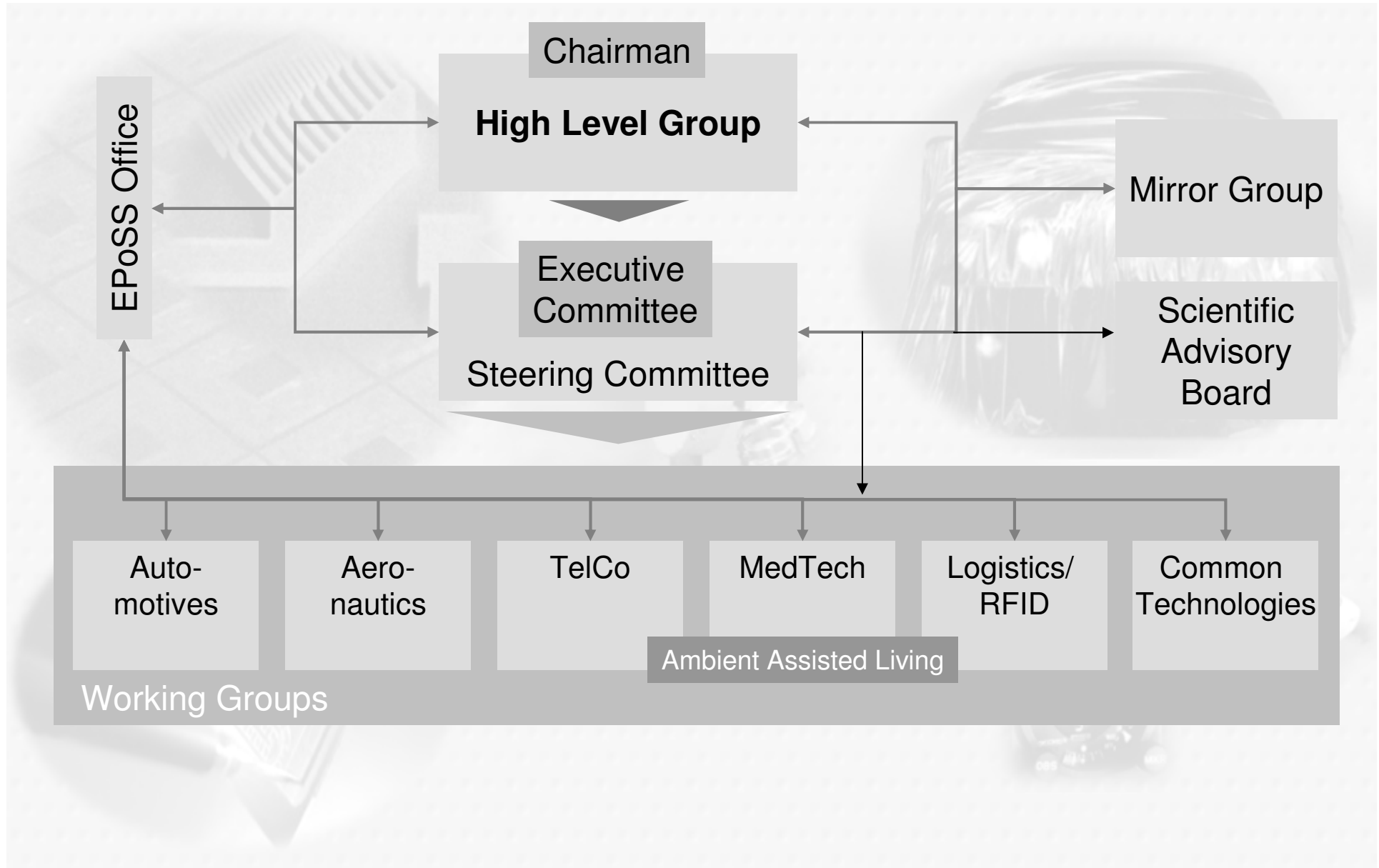
**Nanoelectronics,  
Highest possible degree of  
miniaturisation,  
systems-on-chip solutions,  
Component level**



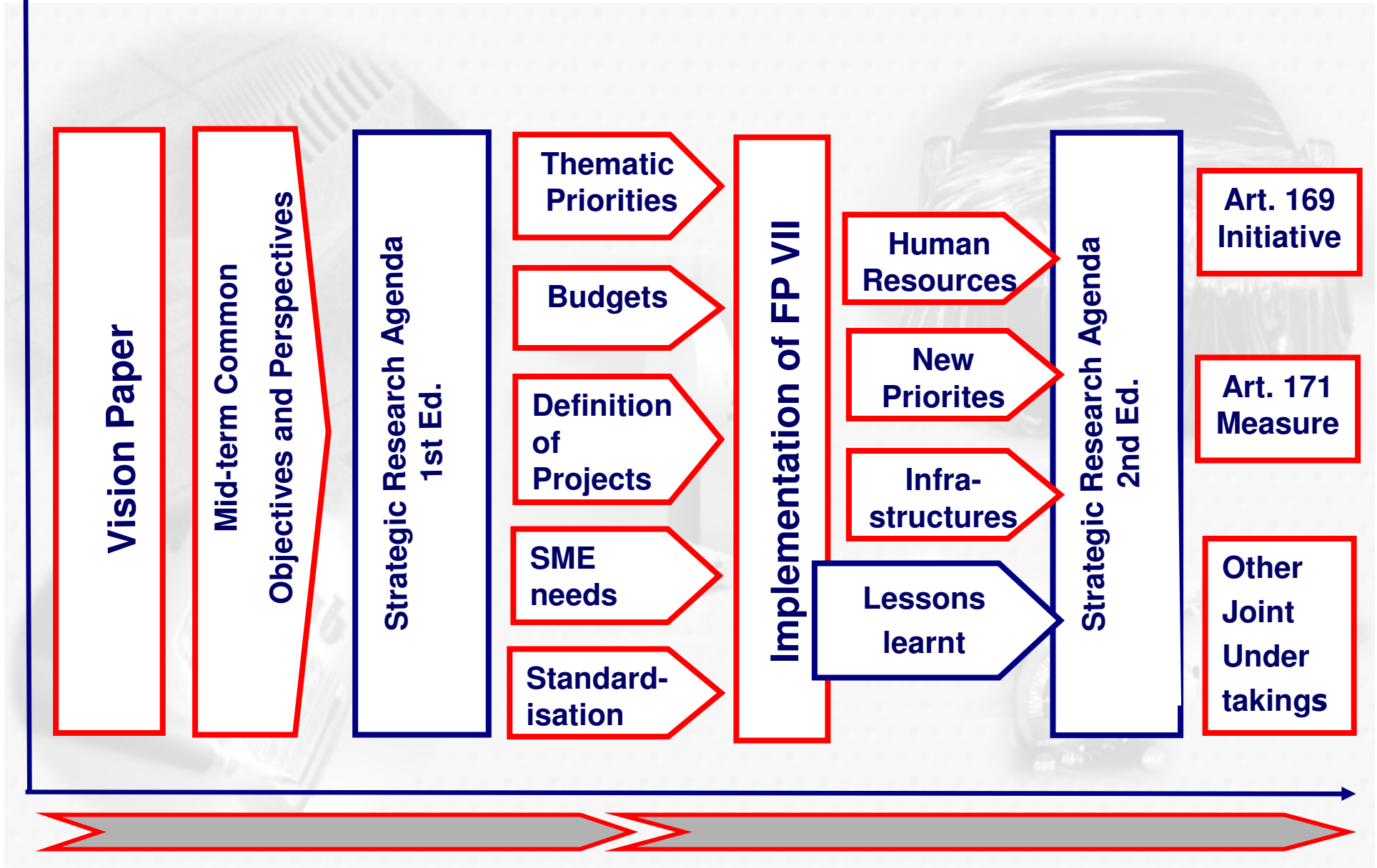
**Architectures,  
Software Based Integration  
Middleware**



# Structure



# Status and Perspective



# Key Members



**Thank you very much.**

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