Information Society Technologies and Language Technology

Nino Varile

Interfaces and Cognition

Luxembourg

Historical Recap

- **1981 – 1992 Dedicated MT programme**

- **1990 – 1994 FP III – LRE in Telematics + various other activities, incl. ESPRIT BRA**

- **1994 – 1998 FP IV – LE in Telematics + various other activities, incl. ESPRIT LTR**

- **1996 – 1999 MLIS (takeup)**

- **1998 – 2002 FP V – HLT in Key Action on Multimedia Content and Tools + CPA on MMI + Cognitive Vision, and various other activities**

- **2001 – 2005 eContent Action Line 2 (takeup)**

… and national research initiatives throughout

First increasingly applied

- **81 - 92 Dedicated MT Programme**

- **90 - 94 FP III - LRE**

- **94 - 98 FP IV - LE**

- **96 - 99 MLIS (takeup)**

- **98 - 00 FP V - HLT Take-up Actions**

- **01 - 05 eContent Action Line 2 (takeup)**

Then increasingly fundamental

... mainly as component technology

- **00 - 02 FP V - HLT RTD and CPA 2**
- **02 - 06 FP VI:**
  - Multilingual communication
  - Multimodal Interfaces and Cognitive Systems
  - Semantic Web

First MMI call biggest speech call ever

Challenges

- **Transition** from specialised research activity with dedicated research areas in EU programmes to enabling component technology research

- **Integration** into multidisciplinary research on Cognitive Systems, Multimodal Interfaces, Multilingual Communication and Semantic Web

Opportunities

- **Confirm the role as critical component technology in many IST research activities (fundamental and applied research)**

- **Synergy with member states' programmes (Art 169 - ERA Net)**

- **International cooperation**

Information Society

European Commission

Strategic Directions

- **Focus on fundamental research**

- **Integrate and develop with other disciplines that are critical for future developments, e.g.**

  - MMI, emotional design

  - Cognitive science, robotics

  - Neurocomputing, neurophysiology, brain science

  - Psychology, anthropology, philosophy

  …and mathematics

Information Society

European Commission