First Interim Evaluation of the ARTEMIS and ENIAC Joint Technology Initiatives

Budapest: 24 February 2011

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ARTEMIS and ENIAC interim evaluation
the panel

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ARTEMIS and ENIAC interim evaluation
the remit

- ***Relevance*:** whether the assumptions underlying the establishment of the JTIs are still valid;

- ***Effectiveness*:** progress towards their objectives;

- ***Efficiency*:** of their management and operation;

- ***Research Quality*:** the extent to which the JTIs sponsor world-class research that helps propel Europe to a leadership position globally

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ARTEMIS and ENIAC interim evaluation
JTI *outcome-oriented* objectives

- ***enhance ERA*:** achieve greater coherence in RTD;
- ***increase efficiency*:** harmonisation; integration of Eureka;
- ***increase overall funding***;
- ***enhance innovation ecosystem.***

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ARTEMIS and ENIAC interim evaluation
main +ve findings

- **original motivations of the JTIs are still valid:**
  - they benefit Member States and Europe as a whole by enabling all parties to share costs and gain leverage on their own investments in strategic R&D;
  - they enable industry to accelerate innovation, become more productive, and so enhance their competitiveness in a fast-moving, globally competitive market;
- **ARTEMIS & ENIAC also validate the *general* concept of the JTI;**
- **the establishment of these particular, industry-led tripartite PPPs is a major achievement;**
- **there *is* strategic progress: the Strategic Research Agendas - *and the process for their creation* - have established a coherent view of Europe's priorities in these areas. The first time that Member States, the Commission and industry have jointly considered industrial strategy;**
- **the JTIs have launched some major, high quality projects in support of their Research Agendas;**
- **other benefits – new Member States (not in Eureka); new organisations; new collaborations; and enhanced European integration through increased scale and reach of projects**

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ARTEMIS and ENIAC interim evaluation
main –ve findings

- **funding by Member States is significantly below expectations;**
- **neither ARTEMIS nor ENIAC are giving sufficient attention to their European, strategic aims;**
- **some major Member States have failed to align their national interests with the strategic agendas of the JTIs;**
- **industry has not maintained its engagement in the strategic direction and management of the JTIs;**
- **the Governing Boards of ARTEMIS & ENIAC have not been effective in steering the JTIs to pursue their strategic objectives;**
- **some Member States are not following the principles that formed the basis for the establishment of the JTIs and specifically are not compliant with the Council Regulations for the JTIs;**
- **no clear differentiation of each JTI from related work in the Framework Programme and the Eureka clusters;**
- **funding constraints and the evaluation and selection processes further inhibit the construction of a strategic portfolio of projects;**
- **the present 'Community Body' financial regulations and other administrative requirements (such as staff regulations) inhibit realisation of the strategic aims.**

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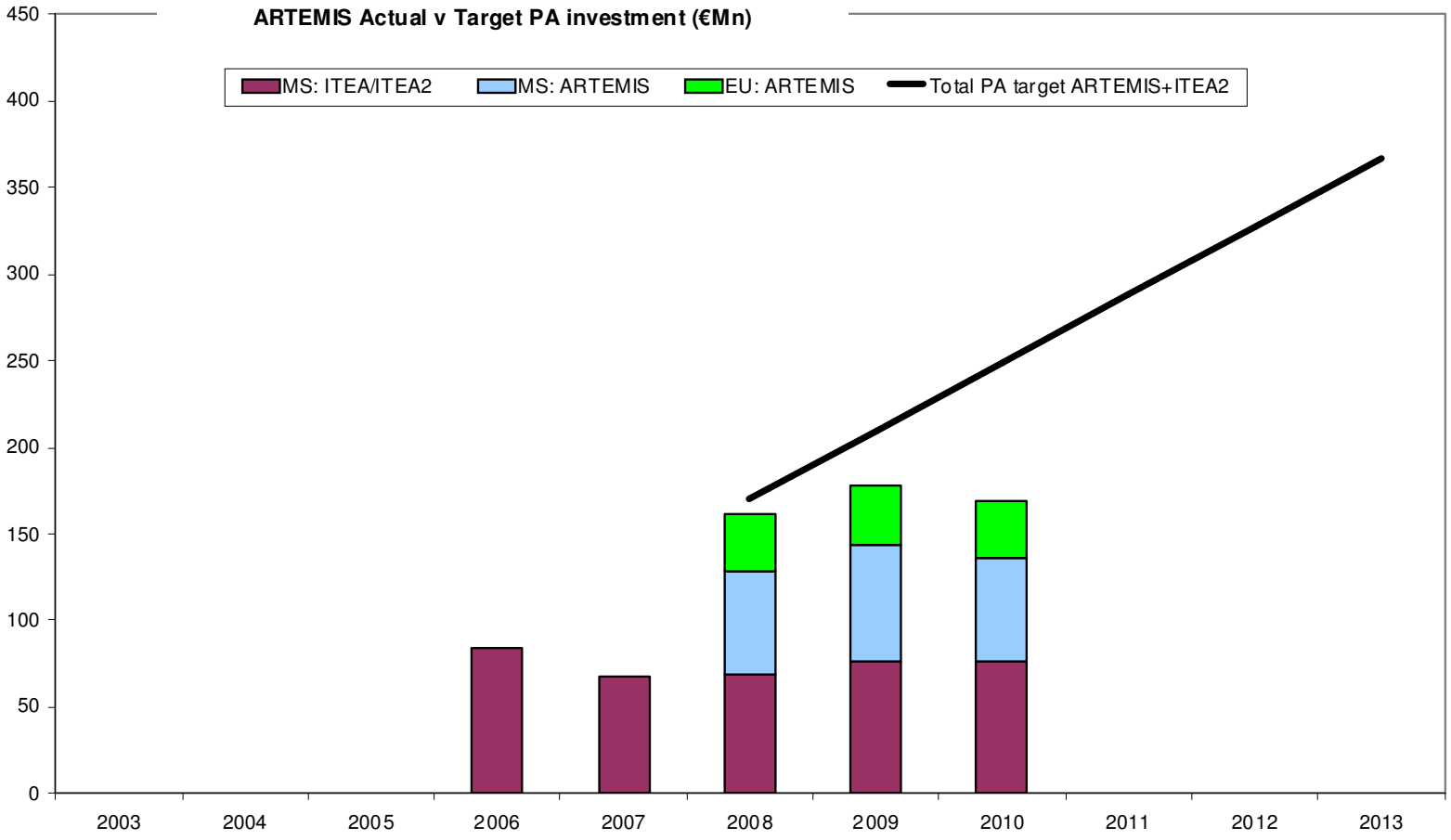
ARTEMIS funding by public authorities



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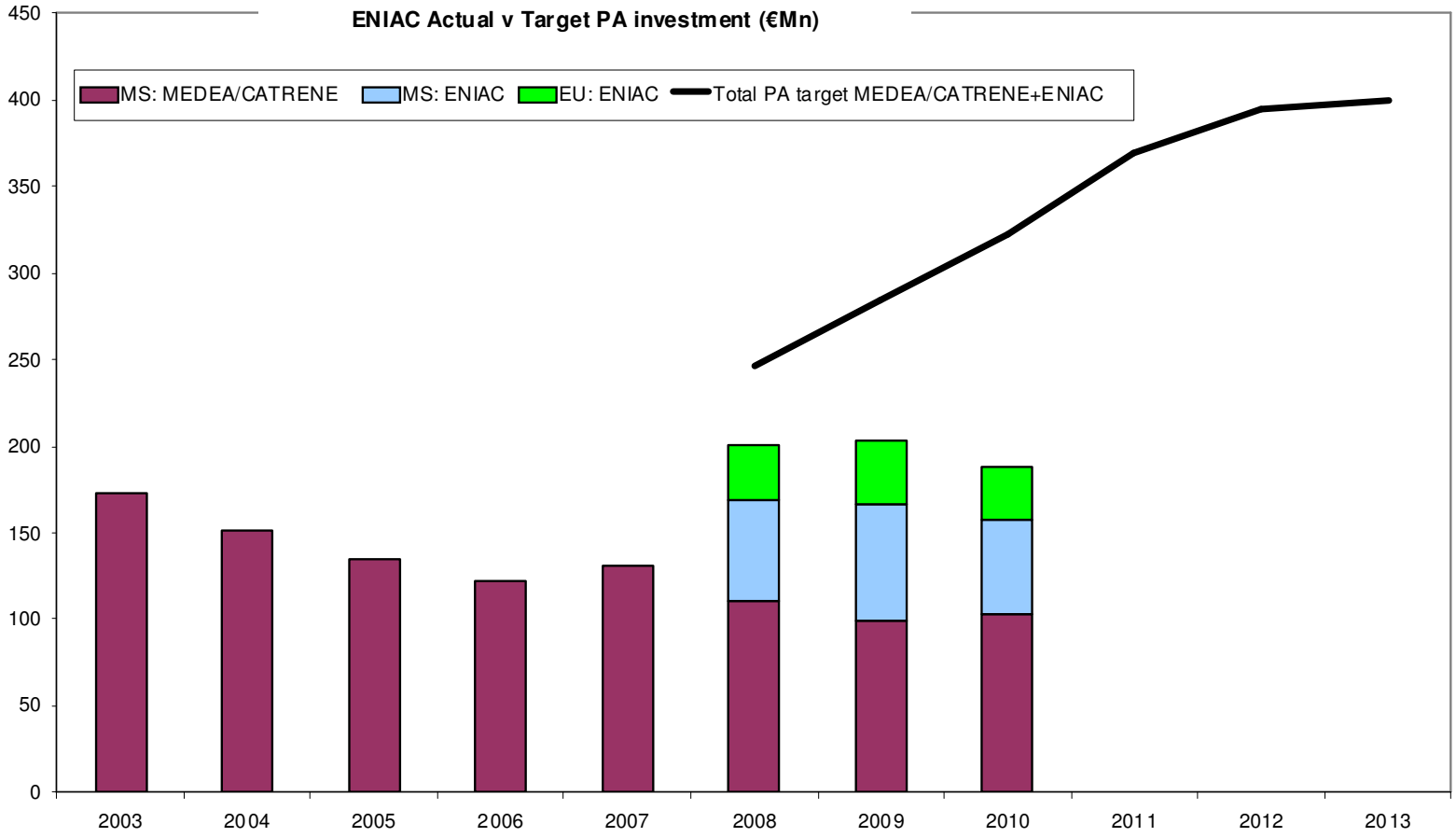
ENIAC funding by public authorities



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ARTEMIS and ENIAC interim evaluation
General Recommendation

1. **Future JTIs in the fields of ARTEMIS and ENIAC should follow a tripartite model similar to the existing model**

   - the approach should not be abandoned because of early difficulties in their implementation during this first experiment with such PPPs,
   - all stakeholders must make a clear recommitment to the strategic aims;
   - Governing Boards should refocus on strategic concerns rather than administrative issues.

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Recommendations for Member States

2. **Make multi-annual budgetary *commitments*;**
3. **Accept and fulfil the requirements of the Council Regulations**
   - some of these requirements may be incompatible with the present procedures of some Member States, but the panel does not accept that this is necessary;
4. **Undertake a benchmarking and alignment study on national practices**
   - the focus should be to reduce bureaucracy, speed up their processes, overcome obstacles posed by national legislation and national practices, avoid constraints on consortium composition and double jeopardy';
5. **Give early indication of support for specific topics**
   - the lack of it is a major cause of 'committed' budget remaining unused; and it is a burden on industry.

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Recommendations for Industrial Associations

6. **Lead establishment of processes to refresh, implement, monitor and publicly report on progress toward objectives**
   - & re-engage 'thought leaders'

7. **Lead the preparation of action plans for achievement of innovation ecosystem aims**
   - working with others

8. **Engage better with the JTI constituencies**
   - more actively encourage SMEs
   - re-consider joint liability
   - provide more advice & guidance

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ARTEMIS and ENIAC interim evaluation
Recommendations for the EC

9. **Lead drafting of post-2013 Council Regulations;**
   - **in particular, to contain more appropriate Financial Regulations and Staff Regulations**

10, 11, 12 & 13: Regulations should also allow:
   - **JTIs to support innovation-related activities other than R&D**
   - **JTIs to accept funding from other sources *for any purpose***
   - **the EU to make additional financial contributions for strategic purposes**
   - **the Joint Undertakings to claim some of their operational costs from non-members**

14. **Establish data gathering to support assessment of benefits of the JTIs**

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ARTEMIS and ENIAC interim evaluation
Recommendations for Joint Undertakings

15. Establish a mechanism for recovering some of their operating costs from non-member beneficiaries of the JTIs

16. Place greater emphasis on strategic, European aims in proposal evaluation & selection processes

- portfolio selection; European dimension; innovation ecosystem; …

17. Establish processes to give early feedback to proposers

- open & transparent; based on initial independent evaluation; take account of funds; minimal overhead

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Recommendations for JTI – Eureka

18. ARTEMIS and ENIAC should continue their initiatives to differentiate from and coordinate with ITEA2 and CATRENE, respectively

- but does not recommend merging yet – or in 2013

Until an approach to co-ordination is agreed, closer integration of the clusters with the JTIs would risk continued and possibly even greater confusion of the JTIs and the Eureka clusters.

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Acknowledgments

The Interim Evaluation Panel thanks the many people who helped the Panel with their enquiries.

Representatives of Member States, the European Commission, the Industrial Associations, the Joint Undertakings, DG-RTD, project participants and non-participants co-operated openly and with great concern for the future of European industry, society and economy.

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"A wake-up call

to our two sleeping beauties"

Commissioner Kroes,
ICT2010, Brussels

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