



The ENIAC JU

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- 2. European nanoelectronics, a viewpoint**
- 3. ENIAC JU progress towards objectives**
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The ENIAC Joint Undertaking

A Public-Private Partnership bringing together
R&D actors, Member States and the European Union

VISION

**The ENIAC Joint Undertaking shall
increase and leverage
private and public investments in nanoelectronics
contributing to strengthening
Europe's future growth, competitiveness and
sustainability**

Council Regulation (EC) No 72/2008

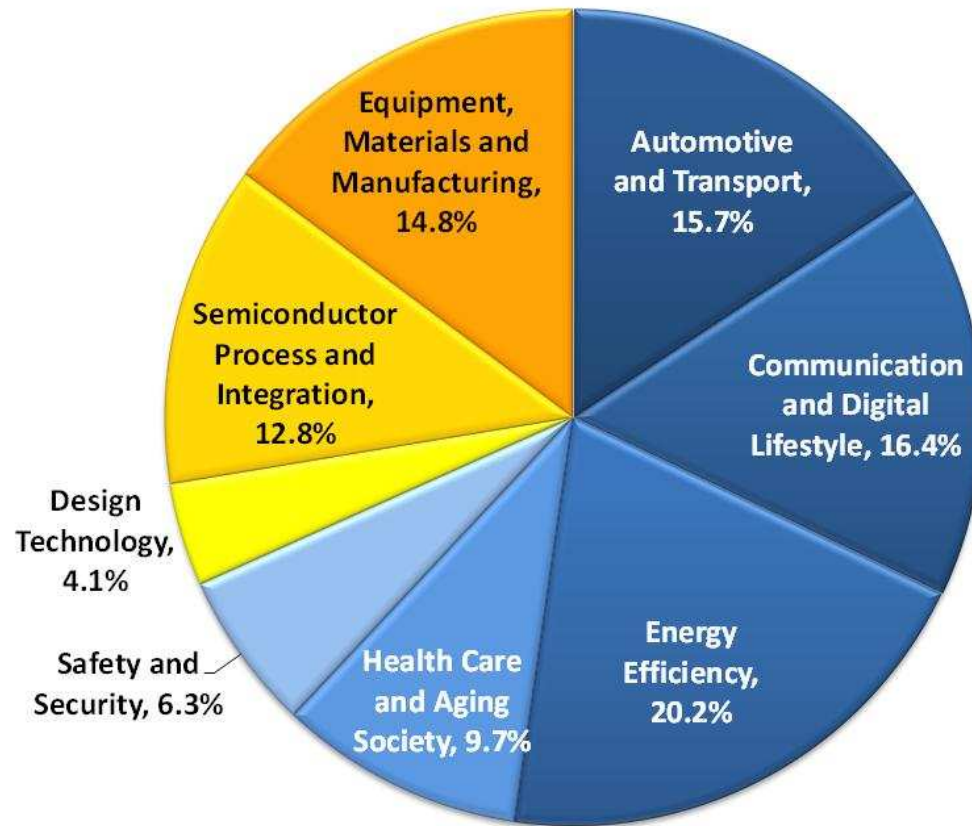
ENIAC JU Objectives

- 1. Define and implement a Research Agenda**
- 2. Award funding to participants**
- 3. Mobilize and pool Union, national and private efforts, increasing overall R&D investments**
- 4. Achieve synergy and coordination of European R&D efforts**
- 5. Promote participation of the small and medium size enterprises**

Council Regulation (EC) No 72/2008

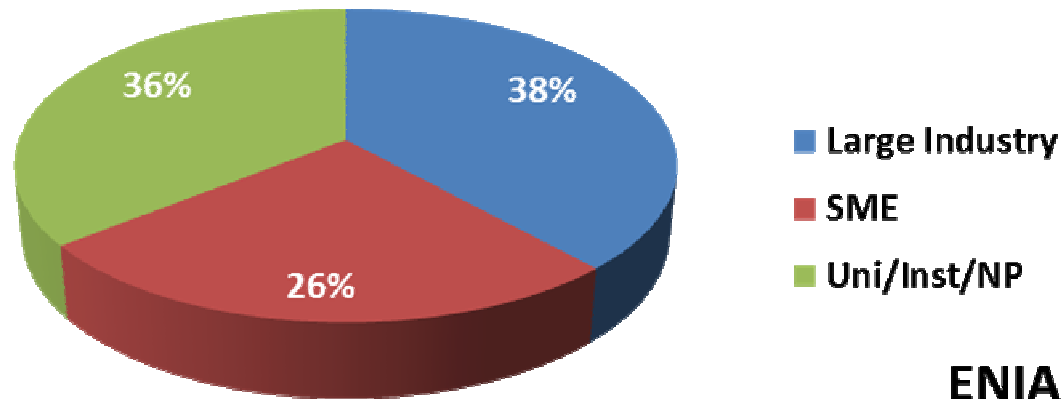
ENIAC JU Research Agenda

Total Eligible Costs 2008-2011: 1024M€

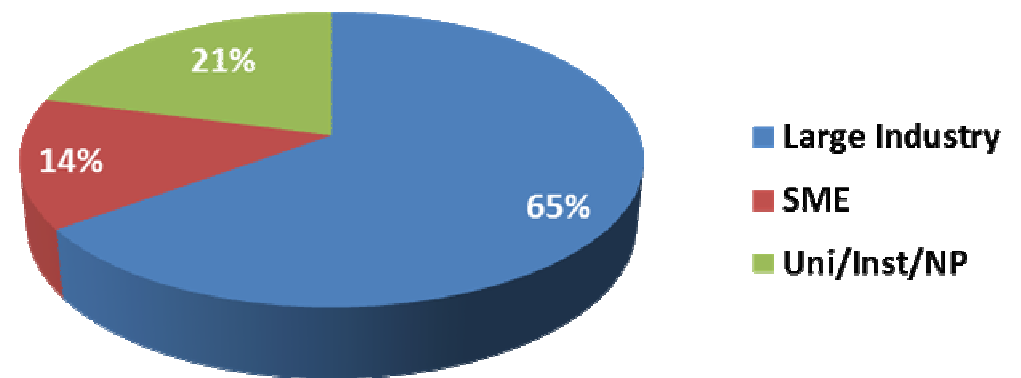


Promote SME Participation

Participating Organizations 415



ENIAC JU Funding 170.2M



Award Funding to Participants

2008 - 2011:

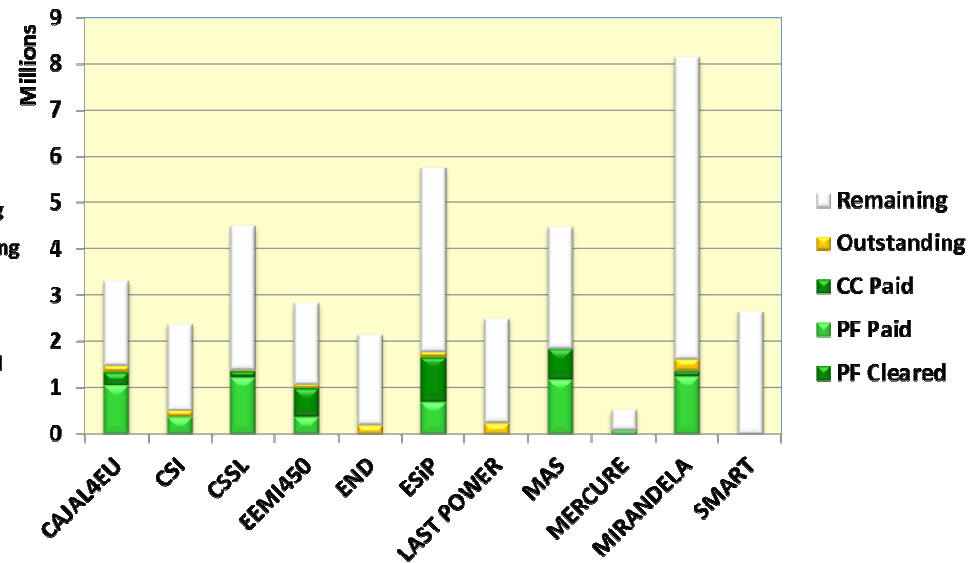
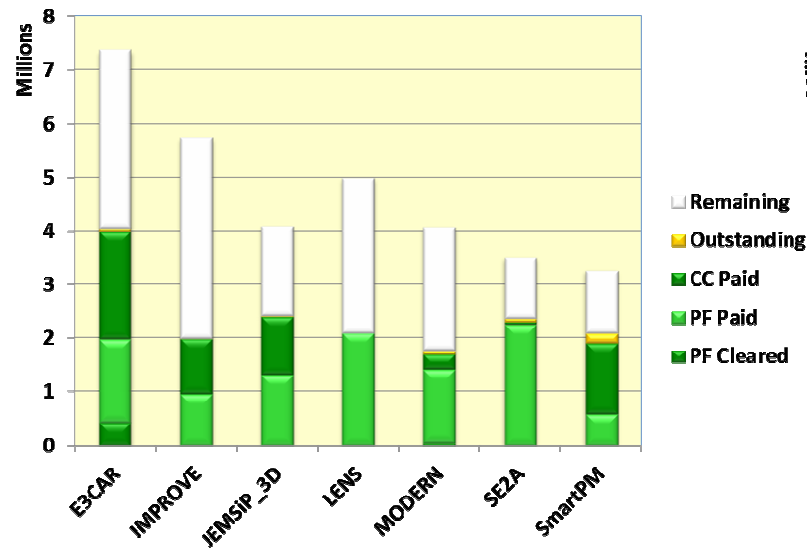
Projects selected for funding: 40

Total eligible costs incurred by participants 1024M€

National funding: 268M€

JU Funding: 170M€

Total Public Funding: 438M€

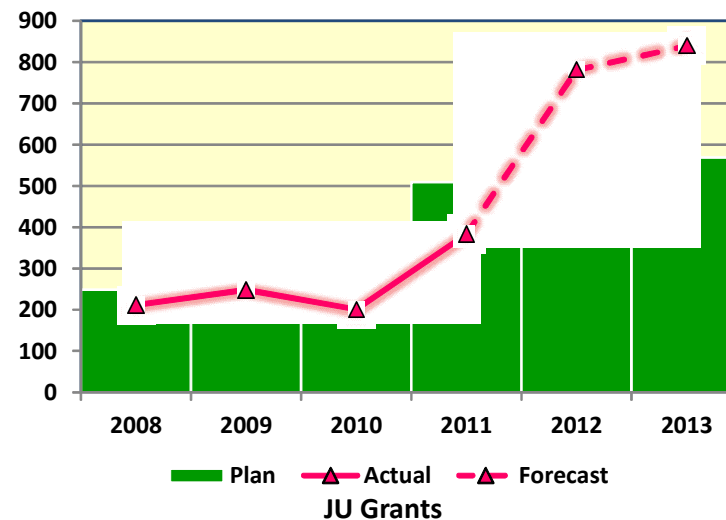


Mobilize and Pool Private, National and Union Funding

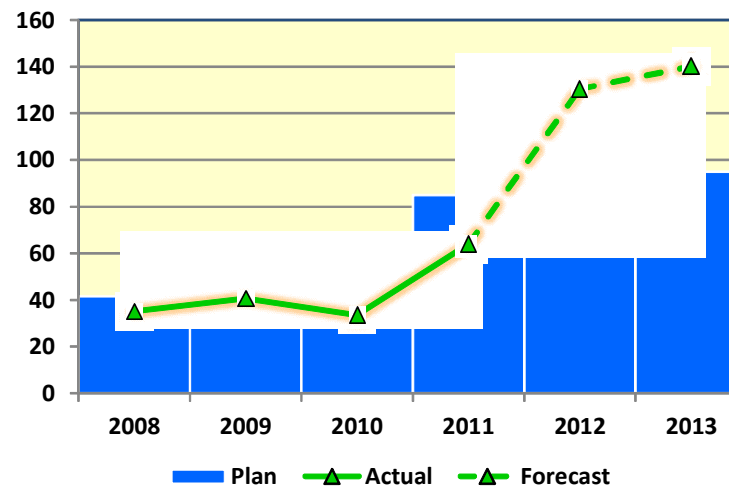
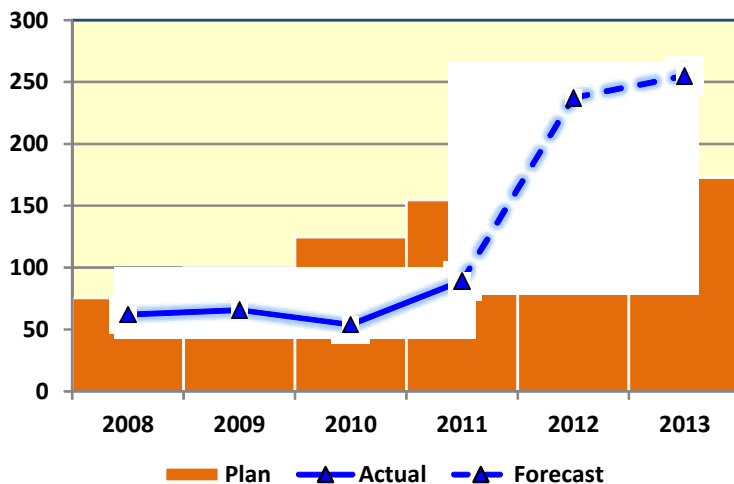
Rigorously apply subsidiarity and proportionality principles to achieve plan:

- Stimulate “must-do” projects
- Elevate national projects to European level
- Additional funding sources
- Balance CATRENE / ENIAC JU funding

Total Eligible Costs incurred by the R&D Actors



National Grants



Selection from Call 1 and Call 2

Nanoelectronics for an energy-efficient electric car : E3Car

Project Coordinator: Reiner John, Infineon Technologies

Total Eligible Costs: 44.15M€

Nanoelectronics for safe, fuel-efficient and environmental friendly automotive solutions : SE2A

Project Coordinator: Harry Thewissen, NXP Semiconductors (represented by Sandor Gielen, TNO)

Total Eligible Costs: 21.66M€

Efficient silicon multi-chip System-in-Package integration – reliability, failure analysis and test: ESiP

Project Coordinator: Klaus Pressel, Infineon Technologies

Total Eligible Costs: 36.5M€

Consumerising solid-state lighting : CSSL

Project Coordinator: Richard von Silfhout, Philips Lighting

Total Eligible Costs: 27.1M€

Electromobility Research Importance Recognized



E3Car Seeding Euro 180 million Research Projects in Electro-mobility Receives the 2011 Innovation Award of the ENIAC Joint Undertaking

Tue Nov 15, 2011 3:03pm EST

The ENIAC Joint Undertaking announced that the project "Nanoelectronics for an Energy Efficient Electrical Car (E3Car)" received its 2011 Innovation Award... The announcement made at the European Nanoelectronics Forum in Dublin also highlighted the "E3Car" contribution as a pioneer and a role-model...



A Berkshire Hathaway Company

NOVEMBER 15, 2011 03:03 PM Eastern Time

E3Car, qui alimente des projets de recherche en électro-mobilité représentant 180 millions d'euros, reçoit le prix de l'innovation 2011 de l'entreprise commune ENIAC

DUBLIN--([BUSINESS WIRE](#))--L'entreprise commune ENIAC a annoncé avoir décerné son prix de l'Innovation 2011 au projet européen E3Car (Energy Efficient Electric Car)

... L'annonce faite lors du Forum européen sur la nanoélectronique à Dublin...



E3Car che ha selezionato progetti di ricerca per 180 milioni di euro nell'elettromobilità riceve il premio innovazione 2011 dell'impresa comune ENIAC

15 Novembre, 20:03 GMT

L'impresa comune ENIAC ha annunciato di aver assegnato al progetto "Nanoelettronica per un'automobile elettrica efficiente dal punto di vista energetico (E3Car)" il premio innovazione 2011 ... L'annuncio fatto in occasione del Forum europeo sulla nanoelettronica a Dublino...

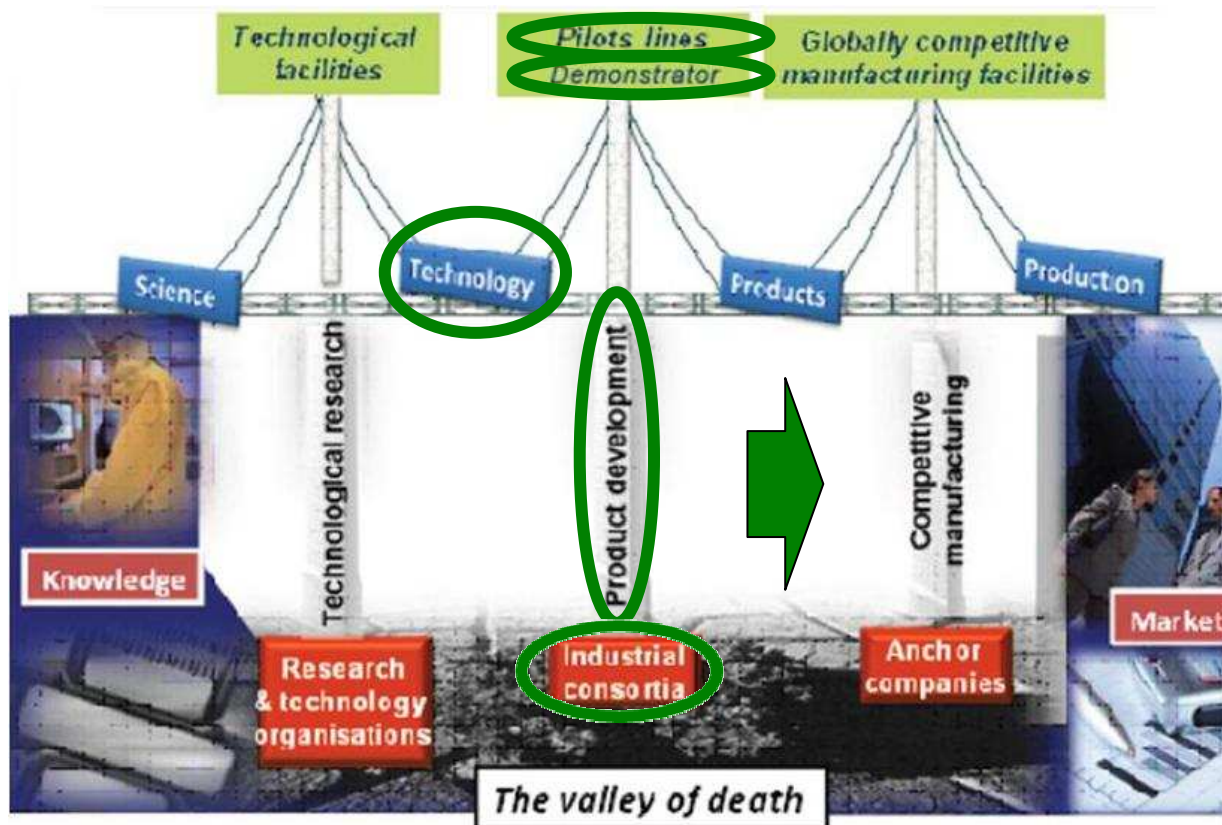


E3Car erzeugte Forschungsprojekte von insgesamt 180 Mio. Euro im Bereich der Elektromobilität und erhält den Innovation Award 2011 von ENIAC Joint Undertaking

ENIAC Joint Undertaking gab bekannt, dass das Projekt „Nanoelektronik für ein energieeffizientes Elektroauto (E3Car)“ seinen Innovation Award 2011 erhalten hat. ... In der im Rahmen des European Nanoelectronics Forum in Dublin vorgenommenen Ankündigung...

Opportunity: Pilot Line Projects

Second Pillar → “Pilot Line Project ”



- Executed by an industrial consortium
- Using an innovative technology
- Developing an innovative product, meeting a social challenge
- Demonstrating its value and potential
- Establishing a realistic environment, a facility
- Having a deployment plan to a real life manufacturing site

Challenges for 2012

1. **Annual Work Programme 2012**
 - **The PAB has adopted the Annual Work Programme 2012**
 - **All Grand Challenges will be open for proposals in response to a regular call**
 - **The AWP 2012 foresees a second call focusing on projects implementing the KET Pilot Line Initiative.**
2. **The KET Pilot Lines Initiative**
 - **The invitation for submission of Expression of Interest has been issued by the ENIAC Joint Undertaking on 21 October 2011, initially with a deadline 19 January 2012**

Calls 6 and 7: 2012 Preliminary planning

1. Call 6 regular call

- Launch date February/March
- PO Deadline May
- PO Assessment May
- FPP Deadline June
- FPP Evaluation July
- Negotiations October

2. Call 7 KET

- Launch date April
- PO Deadline June
- PO Assessment June
- FPP Deadline September
- FPP Evaluation October
- Negotiations November

Actions Items to Execute the Budget

- 1. Elevate national programmes at European level**
 - Requires strict application of subsidiarity
 - Must demonstrate benefits
- 2. Engage additional funding entities**
 - Requires supportive National Funding Authorities
- 3. Stimulate “must do” project proposals**
 - Collaboration with AENEAS

CONCLUSION

**If Nanoelectronics is a
Key Enabling Technology,
the private sector and the Public Authorities
(European, national and regional)
must partner to strengthen
growth, competitiveness and sustainability**

Time for Action !



**Thank you
for your attention**