

A network of design centers boosting and initiating synergies between Innovative companies, major CPS-platforms and CPS-competency providers

ICT1-clustering and communication event

Ph.Bonnot, Vienna, April 14, 2016



















Smart Anything Everywere intiative



Innovation Services for European Smartization by SMEs *Coordinator: Blumorpho*



CPS Engineering Labs
Coordinator: Fortiss



Smart Access to Manufacturing for Systems Integration Coordinator: Hahn-Schickard Ges.



Industrial access to CPS technologies and competencies *Coordinator: CEA-Leti*

>25M€ of funding invested by the European Commission to catch the CPS market



EuroCPS in a nutshell

Call: ICT-01-2014

Launched: Feb 1st, 2015

Duration: 3 years

- 9 Countries
- 15 Partners
- 8 Technology Platforms
- Budget: 9,178,641€
- EC funding: 8,186,835€

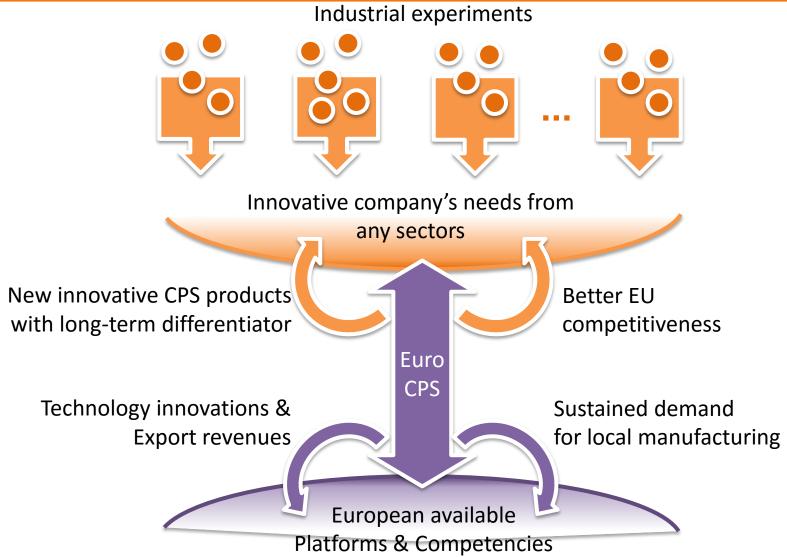


○ Industrial Experiment support: 76% of the EuroCPS funding



14 / 04 / 2016

EuroCPS objectives





EuroCPS mission

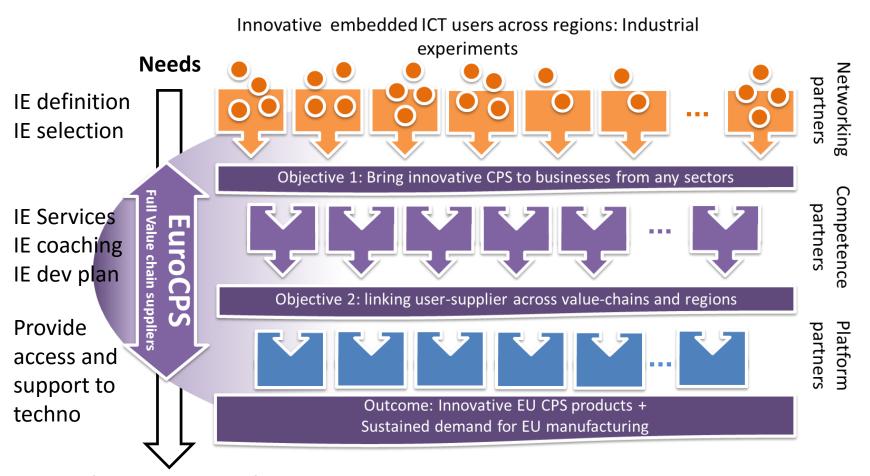
- Provide an easy path to build innovative CPS systems to SMEs from any sector
 - Leverage the existing regional ecosystem across the full value chain and range of competencies
- Facilitates user-supplier partnerships across value chains and regions
 - One-stop-shop providing a critical mass of technologies and competencies
- Enable a new cooperation model linking software, system and nano-electronic industries along the full CPS value chain
 - Industrial experiments initiated and led by SMEs

→ Reduce development time and certification efforts



Beneficiaries (CA)

EuroCPS structure



Final innovative product

Supported, managed and monitored by project partners



EuroCPS Industrial Experiments

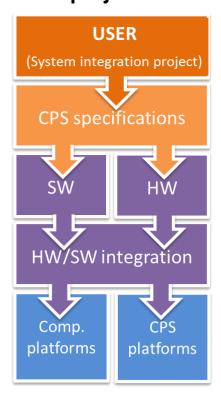
Solution using existing SW & HW components

SW intensive project

USER (SW intensive project) CPS specifications SW HW/SW integration platforms

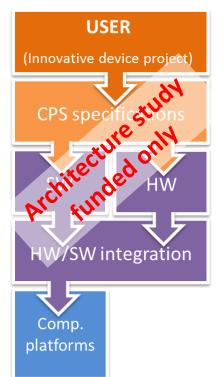
SW prototype demonstrator

System integration project



○ Integrated system prototype demonstrator

CPS w/ innovative component project



Solution using specific SW & HW components

System architecture virtual prototype demonstrator

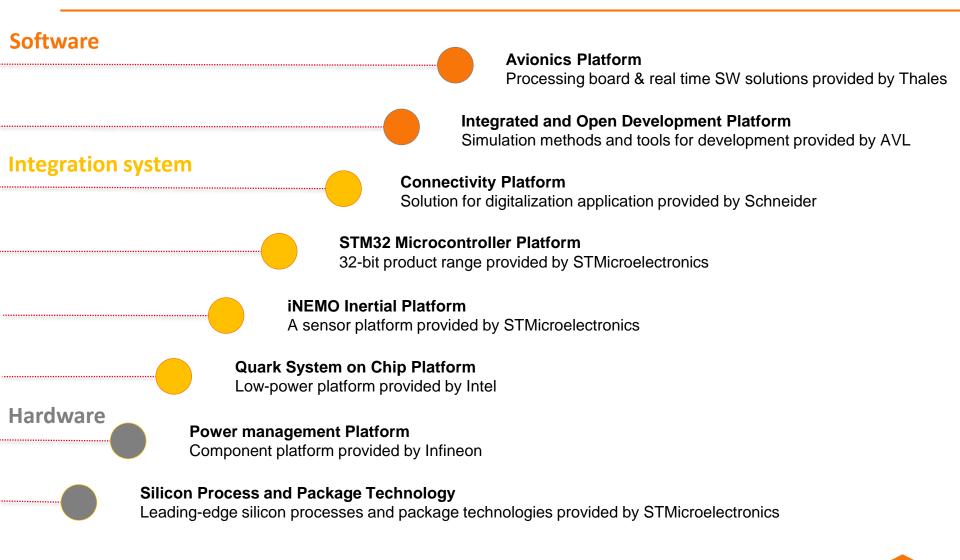


platforms

Solution using existing prog.

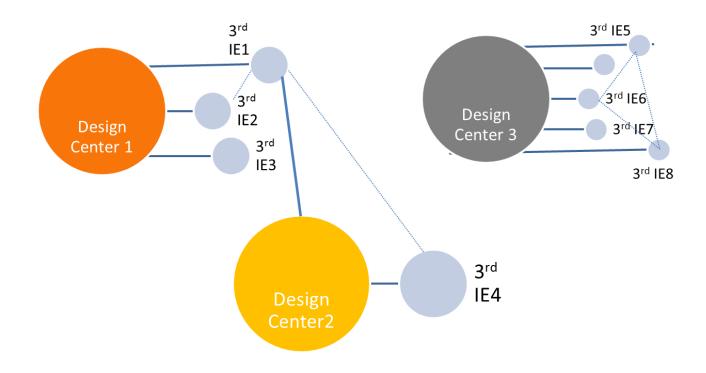
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The 8 EuroCPS platforms





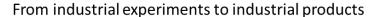
EuroCPS SME financial support

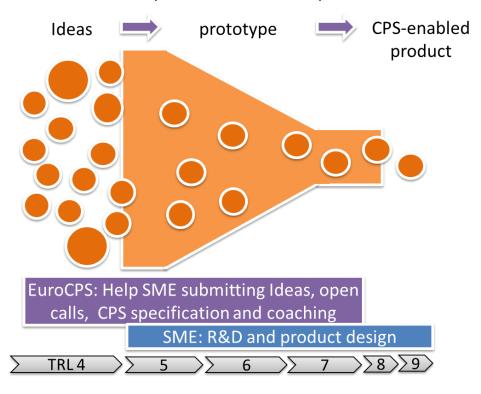


- ⇒ Cascade funding (70% of the budget): Support R&D work of 3rd parties
- + Platform funding: Support the technology access
- + Competence funding: Support the expertise, know-how access



EuroCPS industrial experiments

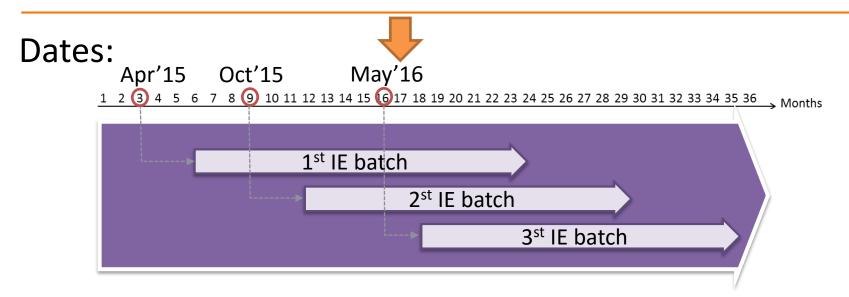




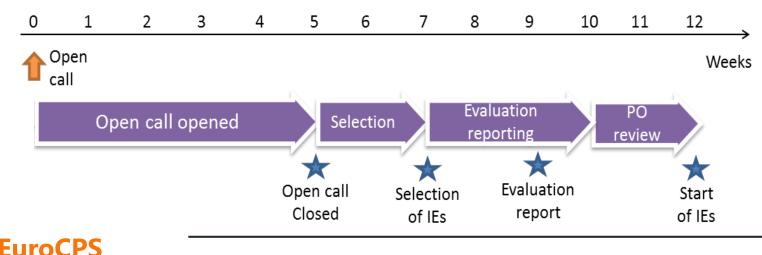
- Project criteria: Excellence, Impact, Quality
- ⇒ Fast track experiments (18 months maximum)



EuroCPS open calls



Basic principal:



EuroCPS 1st and 2nd call IEs



Innovation Branding Through Trusted IoT IBT3



Mb/s Green-OFDM IoT



Development and Automatic Test and Verification System (DATVS)

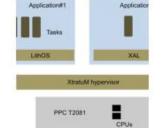




GUDA - Multifunctional graphical universal data display



Localization and Tracking with inertial sensors for agri-food applications (LTIS)



Mixed Critical Avionics on Multicore Xtratum Hypervisor (MCS-MX)



SmartLAB - Sample Management with RFID Tags for Laboratories



SmartSSL



WEETSY2 - Wearable Eye Tracking System V2

⇒72 proposals, 24 granted IEs



Thank you

www.eurocps.org

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