

# DIGITALEUROPE



ICT4EE Forum



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Mobilising ICT to facilitate the transition to an energy efficient, low carbon economy COM(2009)7604 final, Brussels, 9.10.2009

Two areas of focus:

1. measuring & managing energy footprint of ICT processes
2. measuring and realising large scale ICT enabled low carbon solutions in buildings, transport and energy sectors

Requires wide collaboration across the ICT sector and strategic partnerships with other sectors → ICT4EE Forum

- Proactive industry response to Commission Recommendation
- ICT industry driven platform – DE, GeSI, JBCE, TechAmerica Europe (MoUs to be signed shortly)
- Seeking global collaboration in pursuit of common climate objectives - ITU-T, Green IT Promotion Council Japan, ITI & Digital Energy Solutions Campaign (DESC) in the US
- Launch at EC/Spanish Presidency High Level Event on ICT4EE on 23/24 February 2010 [http://ec.europa.eu/information\\_society/events/ict4ee/2010/index\\_en.htm](http://ec.europa.eu/information_society/events/ict4ee/2010/index_en.htm)

European Commission

## Roadmap 2010-12

- Identification market barriers
- Definitions common market requirements
- Identification market based instruments
- Identification standards
- Study work
- Pilot projects
- Policy recommendations

## ICT4EE FORUM

- DIGITALEUROPE
- GeSI
- JBCE
- TechAmerica Europe
- Individual companies

- Sectoral TA's
- Standards Orgs
- Governments
- Regulators
- Experts
- NGOs
- End users

EE of ICT  
Processes

ICT  
Enabling

Buildings

Logistics

Energy

## Steering Committee

- Decision making body and executive arm of the Forum - will direct all activities of the Forum

## 3 Working Groups

- Energy efficiency of ICT processes.
- Using technology where there is greatest scope for reductions: transport, buildings and energy supply, including a snapshot on cities as a horizontal way of looking at all three at once.
- Technology timelines - from current mitigation to future transformation - including a focus on available technologies vs under-deployment, behavioural change, innovation drivers and scenario building.

## Stakeholder Plenary

- To receive input from stakeholders to the Forum's work.
- To facilitate information dissemination of the Forum's activities.



# ICT4EE Forum Roadmap 2010-12

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## 1. Improving energy efficiency of ICT processes:

- Assessment of metrics & methodologies to measure the energy consumption of ICT processes.
- Data comparisons of energy performance, identification of areas for improvement, benchmarking of progress and case studies.
- Common measurement methodology.
- Voluntary reporting framework.
- Recommendations on how to account for the use of renewables in corporate operations.

## 2. Improving energy efficiency of other sectors:

- Identification of existing and innovative sector-driven opportunities; barriers and drivers to improve penetration of ICT; and the business model that will sustainably embed energy and carbon savings in the economy.
- Development of standardised metrics & measurement methodologies for the energy savings incurred as a result of ICT application.
- Development of applications and tools to ensure compliance with the EPBD and interoperability in building and energy management systems; technology applications for intelligent transport systems and e-Freight logistics and ensure integration and interoperability of data flows.
- Increased number, size and scale of projects deploying smart metering and smart grids.



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