



Smart Cities and Sustainability - Objective 6.6: **Integrated Personal Mobility for Smart Cities**

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Smart Cities and Sustainability

Communication Networks, Content and Technology

European Commission – DG CONNECT

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Outline



European policy on Energy-Efficiency through ICT

European Transport policy (White Paper 2011)

RTD on ICT for low carbon economy in WP2013





Policy at EU level

March 2010 - Europe 2020: Smart, Sustainable and inclusive Growth

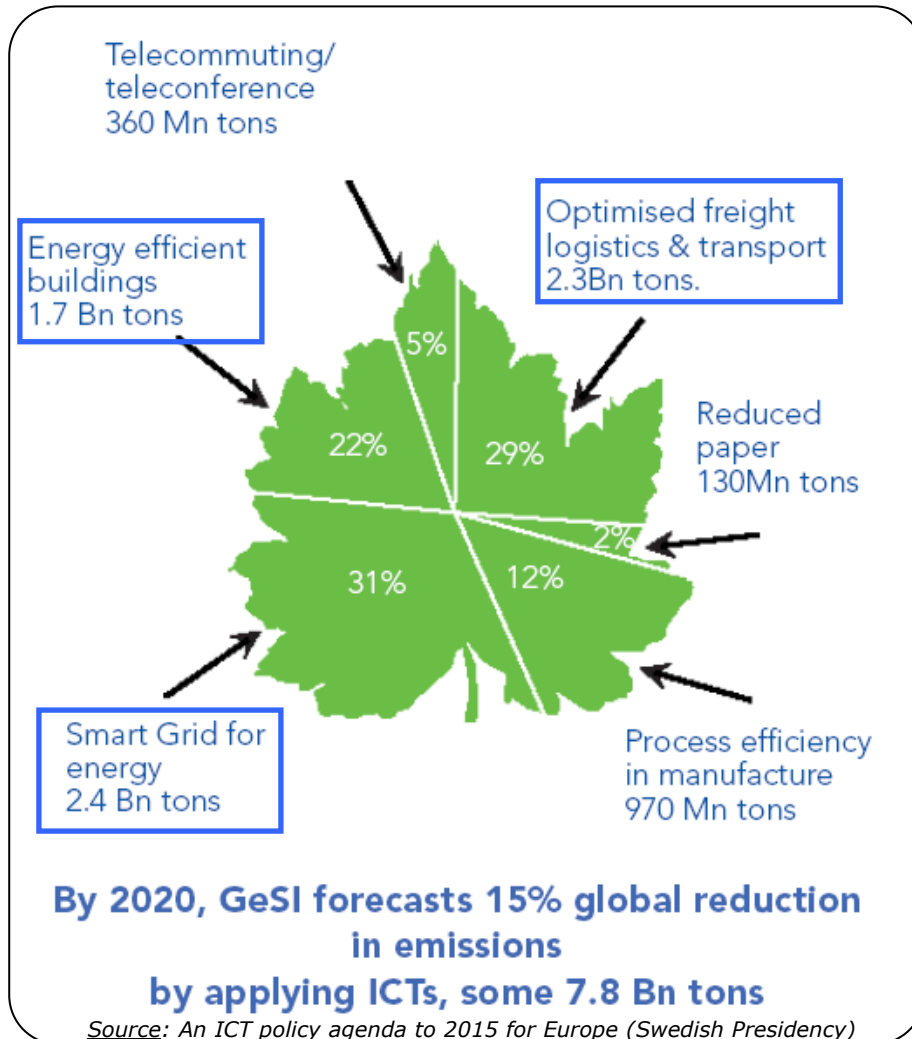
- *Confirmation of three 20% targets for 2020*

March 2011 - A Roadmap for moving to a competitive low carbon economy in 2050 -

http://ec.europa.eu/clima/policies/roadmap/index_en.htm

- *Reducing GHG emissions by 80-95% by 2050 compared to 1990*

Emission reductions enabled by ICT



Call 10

FP7-ICT-2013-10

Objective 6.5

Co-operative Mobility

- Supervised automated driving (development & demos)
- Coordination and Support Actions

IP, STREP: 22 M€

CSA: 3 M€

(DL: 15 Jan 2013)

Smart Cities

FP7-ICT-2013-SMARTCITIES

Objective 6.6

Integrated personal mobility for Smart Cities

- Transformative technologies for managing and sharing information

STREP: 15 M€

(DL: 04 Dec 2012)

Call GC-PPP

FP7-ICT-2013-GC-PPP

Objective 6.7

Green Car: Electromobility

- Advanced system architecture for FEVs
- Comprehensive Energy Management
- Coordination and Support Actions

IP, STREP: 39 M€

CSA: 1 M€

(DL: 04 Dec 2012)

6.6 Integrated Personal Mobility for Smart Cities

Target Outcome (1/2):

- *New services and business models for mobility, seen it in a broad sense*
 - non-motorised transport modes;
 - electro-mobility;
 - public transport;
 - combined use of multiple modes of transport;
 - virtual mobility concepts;
 - innovative mobility sharing schemes.
- *Research should build on existing technologies for in-vehicle platforms and traffic management resources and integrate these with transformative technologies such as Future Internet and Cloud Computing to capture, store, process and communicate increasing quantities of information.*

6.6 Integrated Personal Mobility for Smart Cities

Target Outcome (2/2):

- *The information used may come from*
 - traffic management systems,
 - connected vehicles,
 - the surrounding infrastructure and
 - from mobility users including
 - floating car data and
 - crowd sourcing information
- *Validation through pilots involving end-users, paying attention to aspects of data privacy and security of the Digital Citizen*

6.6 Integrated Personal Mobility for Smart Cities

Expected impact:

Increased take-up of transformative European ICT in new mobility services;

Energy efficiency gains in personal mobility demonstrated when using new mobility services.

Funding scheme:

STREPs

Indicative budget:

15 M€

Submission deadline:

04 December 2012

Thank you for your attention!

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