**Digital wave: supporting a cultural shift in learning systems?**

Initiative co-organised by Maria da Graça Carvalho, Maria do Céu Patrão Neves, MEP and the
European Civil Society Platform on Lifelong Learning (EUCIS-LLL)
Brussels, 19th February 2014 - European Parliament
Keynote speech delivered by Maria da Graça Carvalho

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- Welcome the participants
- Thank the co-organisers: my colleague Maria do Céu Patrão Neves, MEP and the European Civil Society Platform on Lifelong Learning (EUCIS-LLL)

- Society is changing and learning techniques have to accompany those changes
- In this event we will discuss the potential of ICT for education and training
- From my side, as rapporteur for the Specific Programme implementing Horizon 2020, I should like to mention 3 aspects in which Horizon 2020 will contribute to this change:

- *ICT*

Research and Innovation in *Information and Communication Technologies* as an important component to prepare the next generation technologies and applications, as it makes up a large part of total spending on collaborative, mid-to-high risk R&I in Europe.

Future Internet and associated infrastructures, technologies and services are of most importance for achieving these changes, not only in learning systems, but also more broadly speaking for a more open society.

- *E-infrastructures*

Horizon 2020 will support: global research and education networks providing advanced, standardised and scalable inter-domain services on-demand; grid and cloud infrastructures providing virtually unlimited computational and data processing capacity; an ecosystem of supercomputing facilities, advancing towards exa-scale; a software and service infrastructure, e.g. for simulation and visualisation; real-time

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collaborative tools; and an interoperable, open and trusted scientific data infrastructure.

- *Marie Curie Actions*

Finally, Marie Curie Actions are the vehicle for new forms of learning systems. Those actions promote mobility of researchers; optimum development and dynamic use of Europe's intellectual capital in order to generate new skills and innovation and, thus, to realise its full potential across all sectors and regions.

- I am looking forward to hear today's presentations namely the strategy from the Commission presented in the recently adopted Communication on "Opening Up Education"