

## IPTS

The Institute for Prospective Technological Studies (IPTS) is one of the seven institutes of the Joint Research Centre (JRC) of the European Commission. It is located in Seville, Spain. IPTS provides customer-driven support to the EU policy-making process by developing science-based responses to policy challenges which have a socio-economic and scientific/technological dimension.

## JRC

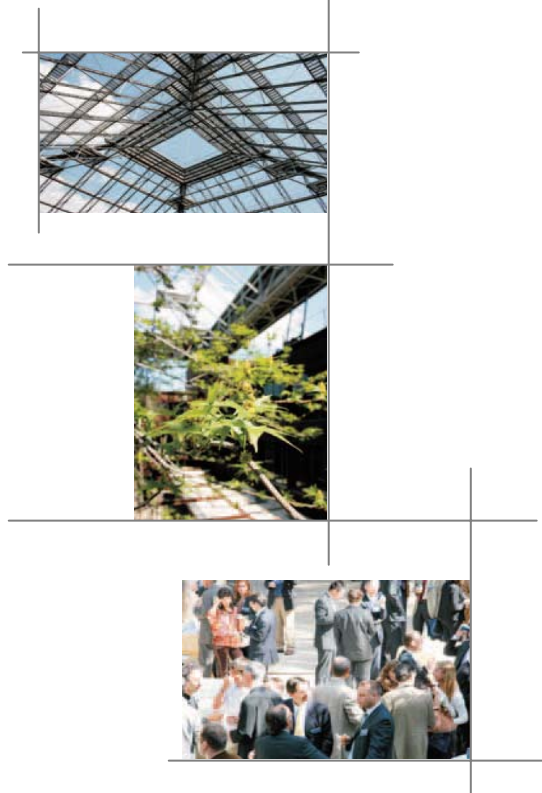
As a service of the European Commission, the Joint Research Centre (JRC) functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.

The mission of the Joint Research Centre is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of European Union policies.

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## ICT for Learning in the Information Society

*ICT for Learning in the Information Society*

**JRC-IPTS- IS Unit**

European Commission

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More information on our activities and publications:

<http://is.jrc.ec.europa.eu/pages/EAP/eLearning.html>

See also for related work on eInclusion:

<http://is.jrc.ec.europa.eu/pages/EAP/eInclusion.html>



## OUR RESEARCH

The Information Society Unit at IPTS is carrying out various studies on the role, impact and relevance of Information and Communication Technologies (ICT) for learning, Education and Training (E&T) and **new skills for new jobs**.

Progress in the use of ICT for E&T across Europe has been substantial in the last few years. But the **effective integration of ICT into education** must go beyond simply replacing, streamlining or accelerating current practices. In addition, ICT play a key role in fostering **creativity and innovation** and in enabling **informal learning** and **lifelong learning**.

To support European policy-making, IPTS runs the following projects, in collaboration with DG Education & Culture:

## CURRENT PROJECTS

### FUTURE OF LEARNING

Jun 2009 – Dec 2010

The aim of this foresight activity is to provide a range of **imaginative visions** on the key components of creative and innovative **learning in Europe in 2020**.

The objective of this study is to investigate:

- › Emergent skills and competences associated with future jobs;
- › New learning and teaching methods and paradigms;
- › New procedures for assessment, certification and accreditation;
- › The role, impact, relevance and potential of ICT in supporting new skills, learning approaches and certification procedures;
- › Implications for existing E&T institutions, systems and policy frameworks.

<http://is.jrc.ec.europa.eu/pages/EAP/ForCiel.html>

### CREATIVITY AND INNOVATION

Dec 2008 – Oct 2010

This study aims to analyse the role of **creativity and innovation** in national school curricula and teaching practices at **primary and secondary level** in the EU Member States.

The study uses a variety of research methods to:

- › Analyse the relevance of creativity and innovation in national educational policies;
- › Collect and examine good practices and approaches and compare them with policies;
- › Investigate the role of ICT in fostering creativity and enabling innovation in E&T;
- › Provide policy suggestions for fostering creative learning and innovative teaching.

<http://is.jrc.ec.europa.eu/pages/EAP/iceac.html>

### LEARNING COMMUNITIES

May 2008 – Oct 2009

Technologies are enabling new spaces and communities, which foster **informal and non-formal lifelong learning environments** where learning happens in a spontaneous manner, bringing together learners, experts, and other parties. This study examines how these settings can foster innovations for lifelong learning and educational systems. It aims to:

- › Gather evidence on learning in online networks and communities;
- › Identify innovative pedagogical, social and organisational practice for learning;
- › Assess the role of ICT in enabling active and collaborative models of learning;
- › Identify implications, challenges and opportunities for developing E&T in Europe.

**Final report forthcoming (February 2010)**

<http://is.jrc.ec.europa.eu/pages/EAP/LearnCo.html>

### LEARNING 2.0

Dec 2007 – May 2009

Social computing applications – like blogs, wikis, photo- and video-sharing sites, online social networking services and virtual worlds – open up **new opportunities for learning**. The aim of this study is to:

- › Gather evidence on the take up of social computing by European E&T institutions;
- › Understand the impact of social computing on innovations in educational practice and its potential for a more inclusive European knowledge society; and
- › Identify good practices, challenges and bottlenecks so as to devise policy options for European decision makers.

**Final report published**

<http://is.jrc.ec.europa.eu/pages/Learning-2.0.html>

## SOME PAST PROJECTS

- › **eLearning in the New Member States**: assessed the status, barriers and drivers of eLearning in the 10 Member States that joined the EU in 2004.
- › **ICT, learning and ageing society**: looked at the challenges and opportunities for learning for the ageing society.
- › **Learning Spaces in 2020**: developed and validated a vision on ICT-enabled learning in the European Knowledge Society in 2020.
- › **Digital skills for new learning spaces**: integrated results on new skills and competences needed for lifelong learning in future ICT-enabled learning spaces.

*More information on our activities and publications:*

<http://is.jrc.ec.europa.eu/pages/EAP/eLearning.html>