



## GRAND COALITION FOR DIGITAL JOBS – PLEDGE TEMPLATE

Please **describe the project** in a clear and concise way (max 10 lines)

The insufficient supply of e-skilled individuals remains a major challenge for European digital industries. Increasing the interest and competence of K12 pupils in science and technology is essential to ensure that Europe's future work force has the needed e-skills. e-Skills need to also be reinforced with job-oriented skills such as self-motivation, creativity, collaboration and intercultural skills. Better trained teachers are crucial, to help pupils acquire these skills; research indicates that teachers need more training in teaching science, technology, engineering and maths (STEM) and in particular in how STEM is applied in jobs (where guidance counsellors should also be involved); the pedagogical use of ICT in daily teaching practice, and how this also relates to careers; and encouraging the development of job skills. Hence, this project will analyse the conditions necessary to launch a pilot that investigates the use of Massive Open Online Courses (MOOCs) for secondary school teachers in these topics, with the support of both Ministries of Education and industry players.

Who are the **partners**, which **country** do they come from and what is their **role**?

The Steering Committee of European Schoolnet (EUN - [www.europeanschoolnet.org](http://www.europeanschoolnet.org)), composed by representatives of 30 Ministries of Education in Europe and leading educational technology providers support the pledge through the Future Classroom Lab which was created in February 2012 (<http://fcl.eun.org>).

Industrial partners supporting this pledge are Acer, Cisco, HP, Lego Education, Microsoft, Oracle, Promethean, and the European e-Skills Association.

MoE members will promote the initiative to teachers at national level, recommend appropriate experts to act as trainers, help to identify successful training materials. Industry partners will provide support through various means, e.g. provision of training materials, trainers/experts, technical support, information on job requirements and skills, to be defined in detail at the project kick off meeting. They will also share and promote their various initiatives in that field.

Please indicate the **committed resources**, including in-kind contributions

European Schoolnet will provide HR resources to coordinate the project, and coordinate the deployment of the training courses. Partners will commit HR, technical tools, and content to ensure the provision of a delivery platform, appropriate trainers and training materials.

Which **impact** will the project have?

- ✓ A large number of teachers from across Europe trained through MOOCs.
- ✓ Continued exchange of practice between teachers involved in MOOCs long term through online communities.
- ✓ Newly developed training materials (from national level) will be shared and tested in a pan-European context by teachers, including both materials for teachers and "classroom-ready" resources for pupils.
- ✓ Outcomes from European projects will be made available to teachers in Europe.



What is the project's **added value** over and above existing projects of your organisation(s)

The Future Classroom Lab has been designed as a “Living Lab’ for how ICT can be implemented in schools and where policy makers, ICT suppliers, teachers and educational researchers can come together to:

- ✓ Rethink how new technologies can support the educational reform process at both national and European level.
- ✓ Engage in regular workshops, seminars and courses on how existing and emerging technologies can have a transformative effect on teaching and learning processes.
- ✓ Develop new economic models in order that teaching and learning activities designed for the future classroom can be mainstreamed and taken to scale.

Results from a ‘family’ of related European Schoolnet projects, such as iTEC, CPDLab, Living Schools Lab, Creative Classroom Lab, inGenious, Scientix will particularly be made available through this initiative. All the experience gained and teacher professional development activities organized within these projects will be leveraged via the development of these online courses for teachers that focus on the pedagogical use of ICT and STEM related issues.

Existing projects have brought together both public and private sector stakeholders to reflect on how to tackle the issue, and have generated numerous interesting activities with students. Teachers, however, have often been neglected in this process and focusing more directly on their needs will bring about longer term change, as they have the potential to influence every cohort of pupils joining their class. The MOOCs offered will be evaluated, subsequently refined and scaled up after the end of the pilot phase.

A roadmap with **timing** and **milestones**. Actions should kick-off before summer 2013

- ✓ Kick off meeting and detailed project planning Q2 2013
- ✓ Online courses to take place in Q4 2013 and Q1 2014
- ✓ Evaluation of results and sustainability in Q2 2014

Please indicate a **contact person** and anything else you deem useful

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