

European Funding Programmes for Science Education



Dr. Elisabetta Delle Donne, Pixel
New Perspectives in Science Education Conference
Florence, 23 March 2018



- Overview of the Erasmus+ Programme
 - Objectives
 - Eligible participants
 - Budget
 - The Structure of Erasmus+
 - Overview of the Horizon 2020 Programme
 - Examples of successful projects



Objectives of E+



- **Reduce early school leaving**
- **Increase attainment in tertiary education**
- **Improve employability and support entrepreneurship**
- **Improve innovation and internationalization of education**
- **Enhance cross-sector strategic partnership**
- **Promote social cohesion and active citizenship**

Consistency with Europe 2020 policies and ET2020 strategic Framework



Eligible Participants:

Organizations



The eligible type of organizations include:

- Higher education institutions
- Schools
- Adult Education Institutions
- VET* Organizations

**Vocational Education and Training*



Eligible Participants

Countries



The eligible countries are:

- Programme countries

- The 28 EU member states
- EEA countries: Iceland, Liechtenstein, Norway
- Candidate Countries (i.e. Turkey, FYROM).

- Partner countries

- Neighbour Countries (i.e. Eastern countries, Southern Mediterranean countries, Western Balkans, Russia)
- **All other countries in the world**



The Budget

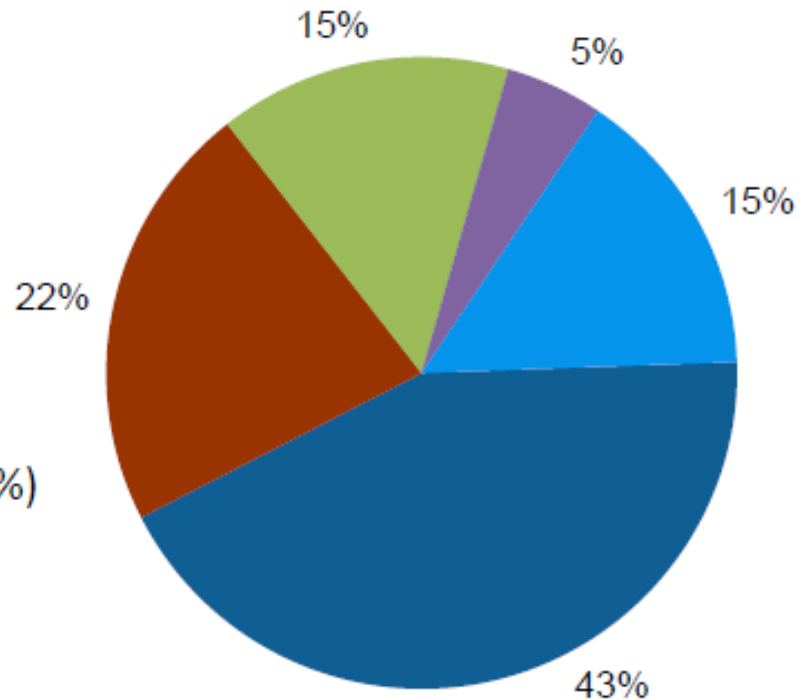


The total budget for the period 2014-2020 is **14.7 billion euros**

Breakdown of budget by sectors

Minimum allocation by sector

- Higher Education (43%)
- VET (22%)
- Schools (15%)
- Adult Education (5%)
- Remaining Funds for Allocation (15%)





The Structure



Key Action 1
Mobility

Mobility for
Learners and
Staff

Key Action 2
Cooperation and Innovation
for Good Practices

Strategic
Partnerships

Knowledge
Alliances

Sector Skills
Alliances

Capacity
Building

Key Action 3
Support to Policy Reform

Knowledge in the
fields of education,
training and youth

Prospective
initiatives

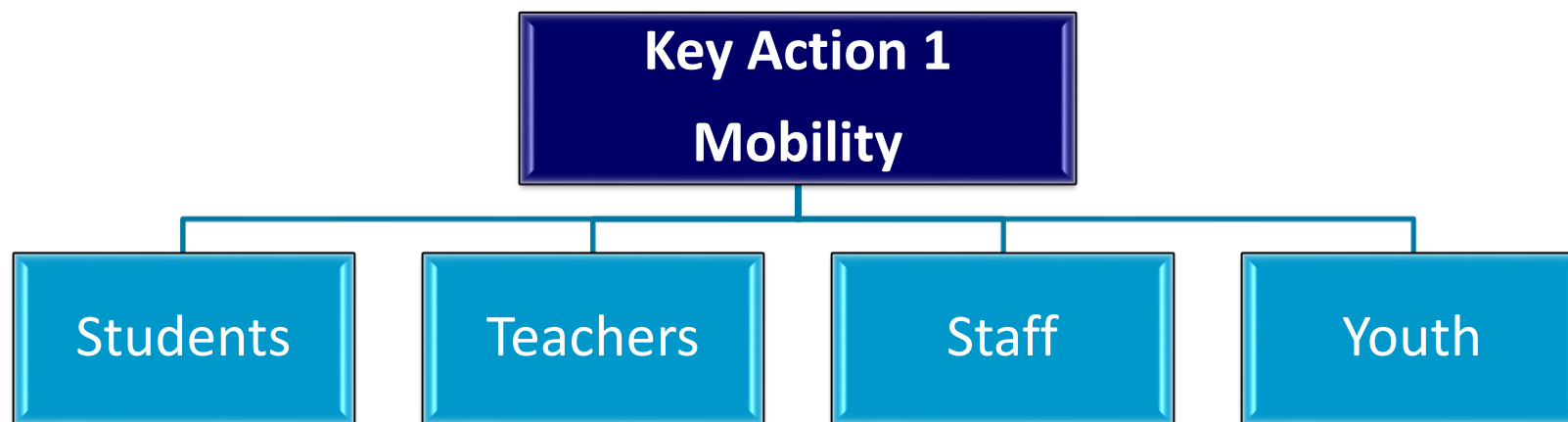
Support to
European policy
tools

Jean Monnet

Sport



The Structure KA1



Source: European Commission, DG Education and Culture



Funded activities in the field of Higher Education

- **Students:** A study period (3 – 12 months) or a Placement abroad (2 – 12 months)
- **Staff:** a teaching period in a HEI abroad or participation in a training event abroad

NB The sending organization must be a HEI awarded with an ECHE ([Erasmus Charter for Higher Education](#))



- HEI: 350 euro per participant for organizational support
- STUDENTS: Between 150 to 500 euro per MONTH
- STAFF: Between 50 to 160 euro per DAY
- Between 180 to 1100 euro per travel



Participants

At least one sending and one receiving organizations must be involved

Duration

16 to 24 months.

Deadline

Beginning of February every year

Where to submit the Grant request

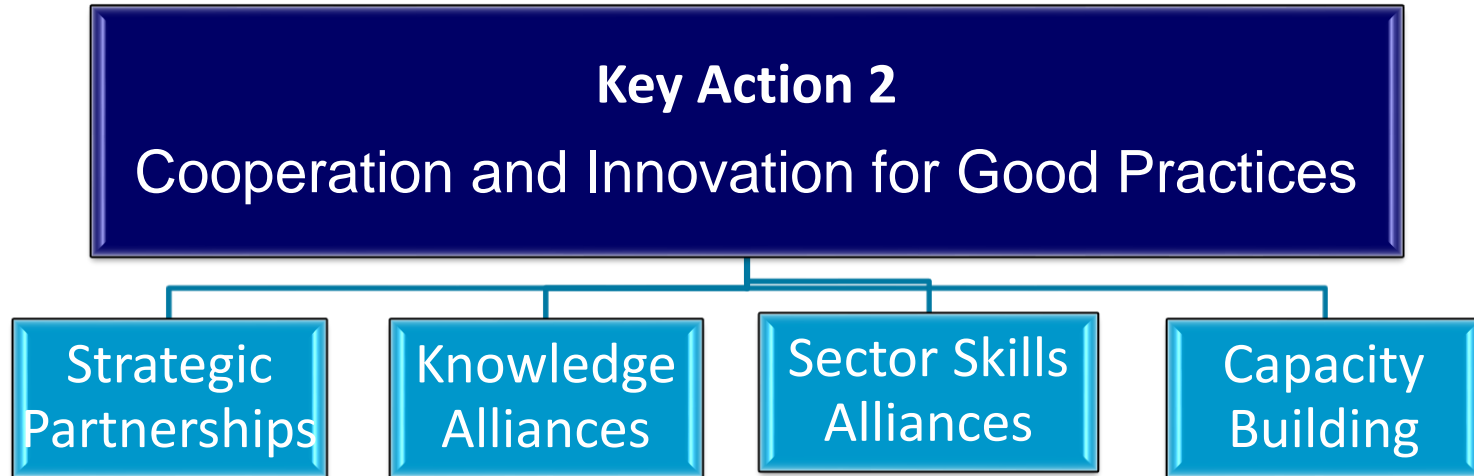
National Agencies of the applicant University

KA 2 – Cooperation and Innovation for good practices





Key Action 2



Source: European Commission, DG Education and Culture



KA 2 Cooperation is divided into 4 actions

- 1 - Knowledge Alliances**
- 2 - Capacity Building**
- 3- Strategic Partnerships**
- 4 – Sector Skills Alliances**

KA 2 – Knowledge Alliances





KA 2 – Knowledge Alliances

Objectives



Knowledge Alliances projects aim to:

- Promote **innovation**
- Promote **entrepreneurship**
- Promote **cooperation between HE and enterprises**

Key features of Knowledge Alliances are: Innovation; Sustainability; Impact.



Participants

Minimum 6 organisations from three countries, out of which at least two **HE institutions** and at **least two enterprises**.

Duration

2 or 3 years.

Deadline

End of February every year

Where to submit the Grant request

EACEA

Funding

700.000 Euro (2 years projects)

1.000.000 Euro (3 years projects)

KA 2 – Capacity Building





KA 2 – Capacity Building

Objectives and Priorities



Capacity Building projects aim to foster **innovation and internationalisation** HEI in the eligible Partner Countries according to the following priorities:

- 1) **Modernization of Curricula** by developing innovative methodologies.
- 2) Improving **management, innovation and internationalisation** in HE
- 3) Developing **the HE sector within the society** at large and supporting reform policies



KA 2 – Capacity Building

Regions Involved



For every «Region» specific priorities are identified

- 1) Western Balkans** (Albania, Bosnia, Serbia, Montenegro, Kosovo)
- 2) Eastn Countries** (Armenia, Georgia, Belarus etc.)
- 3) South Mediterranean Countries** (Egypt, Morocco, Jordan, Lebanon etc)
- 4) Russia**
- 5) Asia** (Afghaistan, China, Cambodia, Malaysia, Vietnam etc.)
- 6) Central Asia** (Kazakstan, Turkmenistan, Uzbekistan etc.)
- 7) Latin America** (Argentina, Brazil, Chile, Colombia, Venezuela etc.)
- 8) Gulf Countries** (Iran, Iraq, Yemen)
- 9) South Africa**
- 10) ACP Countries** (African, Caribbean and Pacific Group of States)



Partner countries can participate both as project partner or as project applicants

At least 6 HEI

- 3 in the Partner country
- 3 from three different Programme countries



KA 2 – Capacity Building in HE

Information



Duration

2 or 3 years.

Deadline

Beginning of February every year

Where to submit the Grant request

EACEA

Funding

500.000 Euro (2 years projects)

1.000.000 Euro (3 years projects)

KA 2 – Strategic Partnership





Horizontal Priorities:

- Improve achievements in **basic and transversal competences**
- **Inclusive** Education
- **Innovative** Education
- **Professional development** of educators
- Transparency and **recognition of skills and qualifications**



KA 2 - Strategic Partnerships

Field Specific Priorities



Field Specific Priorities 2018

in Higher Education

- Tackling skills gaps with labour market needs
- Supporting the use of digital technologies
- Promoting excellence in teaching
- Promoting inclusive HE systems
- Promoting innovation
- Promoting internationalization

in School Education

- Strengthen the profile of teachers
- Promoting the acquisition of skills and competences
- Prevention of early school leaving
- Enhancing early childhood education

in VET

- Promoting work-based learning
- Developing quality assurance
- Strengthening key competences
- Enhancing access to training for all
- Professional development of teachers

in Adult Education

- Focus on low skilled and low qualified adults
- Literacy, numeracy, digital skills
- Developing educators' competences



Participants

Minimum three organisations from **three different countries**.

Partner countries can only participate as project partner not as applicants

Duration

2 or 3 years.

Deadline

21 March 2018

Budget

300 000 Euro (2 years projects)

450 000 Euro (3 years projects)

Where to submit the Grant request: National Agencies



More Information



The information about Erasmus+ is available both on the [EACEA](#) and the [National Agency](#) web site.

The screenshot displays the EACEA website interface. At the top right, there are links for 'About EACEA', 'Cookies', 'Contacts', 'Legal notice', and a language dropdown set to 'English (en)'. The main header features the EACEA logo and the text 'Education, Audiovisual and Culture Executive Agency'. Below this is a navigation bar with tabs for 'ERASMUS+', 'CREATIVE EUROPE', 'EUROPE FOR CITIZENS', 'EU AID VOLUNTEERS', 'EURYDICE', and 'PROGRAMMES 2007 - 2013'. A secondary navigation bar includes 'Erasmus+', 'Actions', 'Funding', 'Beneficiaries specs', 'Selection Results', 'Library', 'News', 'Events', and 'Contacts'. The main content area has a large image of students in a classroom. A dark overlay on the image contains the text 'Erasmus+ Supporting projects and activities in the fields of education, training, youth and sport'. Below the image is a 'Share' button. The page content includes a news article titled 'The new Erasmus+ programme aims to support actions in the fields of Education, Training, Youth and Sport for the period 2014-2020', followed by a list of replaced programmes. A 'Latest Erasmus+ News' sidebar on the right features a 'Eurydice Newsletter - summer edition' and 'Erasmus+ supporting language learning'.

About EACEA | Cookies | Contacts | Legal notice | English (en)

EACEA
Education, Audiovisual and Culture Executive Agency

European Commission > EACEA

ERASMUS+ CREATIVE EUROPE EUROPE FOR CITIZENS EU AID VOLUNTEERS EURYDICE PROGRAMMES 2007 - 2013 ABOUT

Erasmus+ Actions Funding Beneficiaries specs Selection Results Library News Events Contacts

Erasmus+
Supporting projects and activities in the fields of education, training, youth and sport

Share

The new Erasmus+ programme aims to support actions in the fields of Education, Training, Youth and Sport for the period 2014-2020.

Regulation of the European Parliament and of the Council establishing Erasmus+: the Union programme for education, training, youth and sport.

Erasmus+ replaces seven programmes bringing together

- The Lifelong Learning Programme (Erasmus, Leonardo da Vinci, Comenius, Grundtvig and Jean Monnet)
- The Youth in Action programme
- Five international cooperation programmes (Erasmus Mundus, Tempus, Alfa, Edulink, the programme for cooperation with industrialised countries)
- The new sport action.

What does it support?

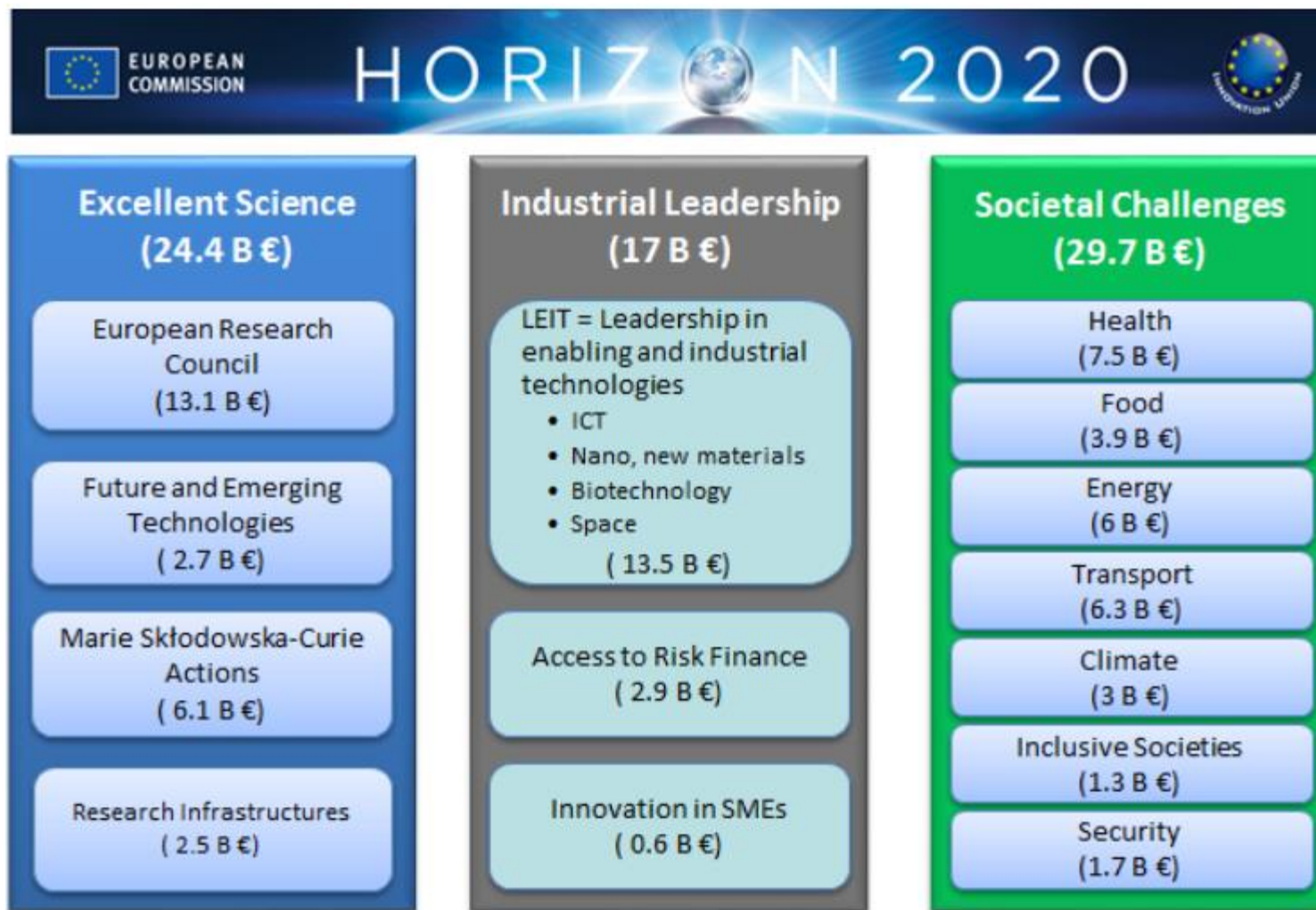
Latest Erasmus+ News
News feed: Receives updates in real-time

Eurydice Newsletter - summer edition
17/06/2015 - 14:00
Updates on the most recent and future Eurydice publications, as well as news from the European education world.
[Read more](#)

Erasmus+ supporting language learning
01/06/2015 - 10:15



Horizon 2020: Pillars





Horizon 2020

First Pillar – Excellent Science



Excellent Science (24.4 B €)

European Research
Council
(13.1 B €)

Future and Emerging
Technologies
(2.7 B €)

Marie Skłodowska-Curie
Actions
(6.1 B €)

Research Infrastructures
(2.5 B €)

Aims to raise the level of excellence in Europe's science base.

Dedicated support is available to:

- Individuals and their teams
- Open up new fields of research
- Provide researchers with training/career opportunities
- Develop research infrastructures accessible to all



Aims to stimulate the growth of European companies. Support is available for a range of Technologies

This theme also facilitates access to risk finance.

A specific action of this theme targets SMEs.



This theme reflects the policy priorities of the EU2020 Strategy.

Societal Challenges funding focuses on innovation-related activities, such as pilots and demonstrations.

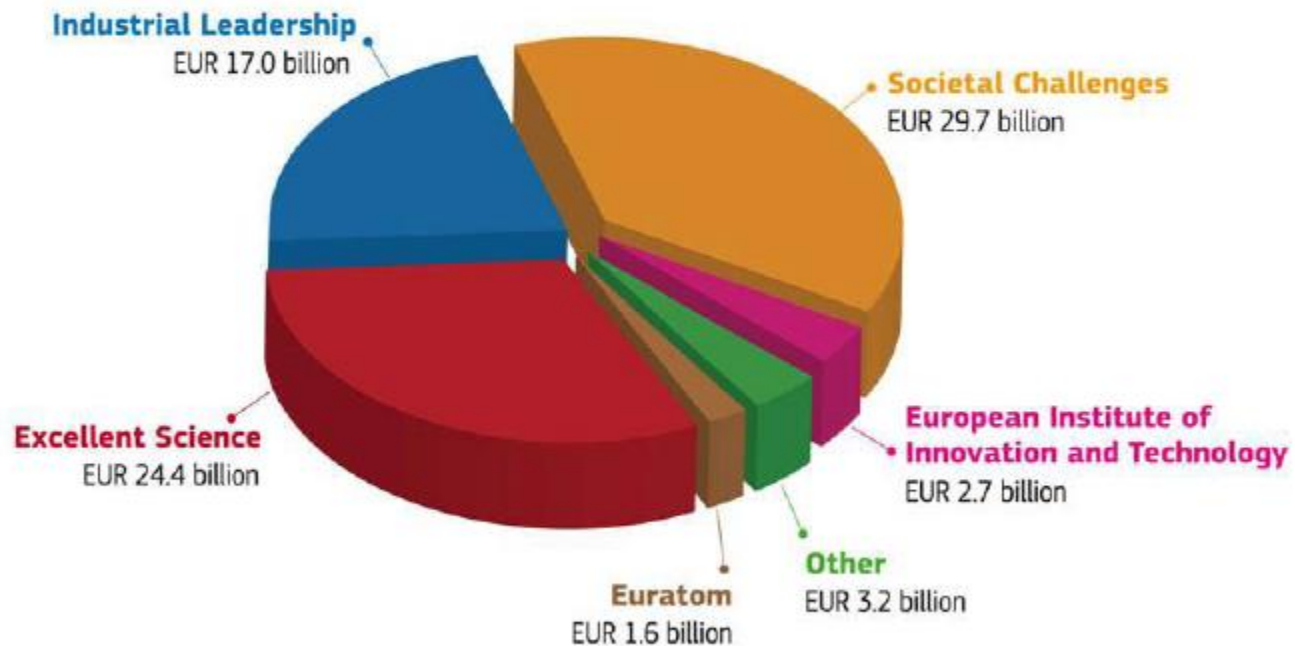


Horizon 2020

Budget



HORIZON 2020 BUDGET (EUR 78.6 billion, current prices)





Examples of Approved Projects

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Reserved Area LOGIN

HOME PAGE | LINKS | CONTACTS | PROJECT INFO

- Chemistry in Everyday life
- Chemistry at home
- Materials for Special Uses
- Chemistry and Environment
- Chemistry and Art
- Chemistry in Science Fiction



Home Page

The "Chemistry is all around us" Project

The Chemistry Is All Around Us project has the aim to contribute to the promotion of lifelong learning of scientific subjects and of chemistry in particular.

The project intends to identify the main barriers to lifelong learning of scientific subjects and the strategies developed in the 6 project partner countries strategies to overcome them.

- Homepage
- Database
 - Publications
 - Initiatives
- Reports

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Goerudio

Also available in: BG ES IT LV PL RO SK EN

username
password
LOGIN

10 February 2014

Goerudio Project

The Goerudio project has been funded by the European Commission in the framework of the Lifelong Learning Programme – Transversal Programme – Key Activity 4 Multilateral Project. The aim of the project is to create a learning community of European science teachers and students willing to identify solutions to overcome the main obstacles related to scientific subjects studying.

Homepage

European educational systems are facing two common challenges:

- secondary and vocational education students experience a lack of motivation when studying scientific related topics
- school teachers are required to find innovative teaching methods in order to promote the interest of their students toward scientific issues

In this context the European Commission has financed the "Goerudio" project in the framework of the Lifelong Learning Programme (KA4 Dissemination and Exploitation of Results, and Exchange of Good Practice).

The Goerudio Portal provides access to:

- Science Teachers' experiences
- Science Students' experiences
- Reviews of relevant initiatives in the field of science teaching
- National workshop

Project Management

- Project Information
- Project Partnership
- Project Meetings
- Work in Progress

<http://chemistry.pixel-online.org>

<http://goerudio.pixel-online.org/>



Examples of Approved Projects



LEARNING FOR LIFE

The Learning for Life by Problem Based Learning (PBL) projects is funded by the European Commission and the Spanish National Agency for the Erasmus+ Programme with the aims of:

- Promote new education methodology, such as Problem Based Learning (PBL) and Multiple Intelligences (MI)
- Develop skills required in the present and future society.

The core subjects of the projects are Maths, Science and Literacy.

CONTEXT

The learning for life by PBL projects, aims to promote new education methodology, such as Problem Based Learning (PBL) and Multiple Intelligences (MI). And also developing skills required in the present and future society. The core subjects of the projects will be Maths, Science and Literacy.

MAIN ACTIVITIES

- Analysis of the National Curriculum requirements and decision about skills and targets to be covered by each Learner Tasks.
- Design and development of the Teaching Package.
- Dissemination activities of the project.

RESULTS

Menu

Home

Didactical Units

- Learner Tasks & Teachers' Guidelines

Partnership

- Contractual partners
- Schools
- Associated Partners

Information and Contacts

- Brochure
- Contacts
- Latest News



Also available in [FR](#) [EL](#) [IE](#) [IT](#) [LT](#) [PT](#) [RO](#) [EN](#)

Homepage

[Learning Science through Nature](#)

[Teachers' Guide](#)

[Events](#)

[Partnership](#)

[News](#)

[Testimonials](#)

[Information and Contacts](#)

Homepage

The E-Learning from Nature project is funded by the European Commission and the Italian National Agency for the Erasmus+ Programme with the aims of:

- Promoting a proactive students' approach to scientific subjects learning
- Propose innovative teaching methodologies to scientific teachers

This web site gives access to:

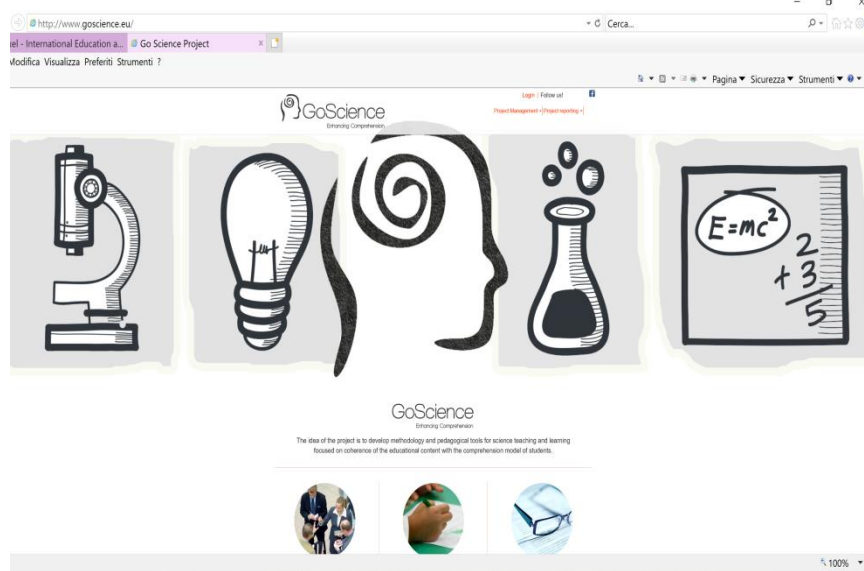
- Database of local areas relevant for the study of scientific subjects
- E-learning lessons related to the local areas
- A teachers guide aiming at:
 - Proposing teaching methodologies based on real life case scenarios.
 - Enhancing students' scientific basic skills acquisition through their active involvement in the learning process.

<http://learningforlife.pixel-online.org/>

<http://enature.pixel-online.org/>



Examples of Approved Projects



<http://www.goscience.eu/>



<http://www.dowellscience.eu/project/>



Examples of Approved Projects

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DE ES HU IT RO EN

username

Home Needs Analysis Training Partnership Information & Events Project Management

More information about the Softis-Ped project

Welcome to **Softis-Ped Project**

The Softis-Ped project is funded by the European Commission and the Romanian National Agency in the framework of the Erasmus+ Programme. The project has the aim to provide the paediatricians, as well as lecturers and students in the field of paediatrics, with relevant and effective communication skills.

MedLang - Palliative Care - Medical Communication - Training - Events - Network

Login | Follow us!

MedLang - Operational protocols

Learn more

MedLang

Massive open online courses with videos for palliative clinical field and intercultural and multilingual medical communication.

<http://softis-ped.pixel-online.org/>

<http://www.medlang.eu/>



Pixel participation in European Projects

Pixel support the **project writing process** and is the project partner in charge of **technical, administrative** and **quality management**.

Pixel can also be involved as the **external evaluator** for **quality assurance**.

The **project applicant** has the **idea** of the project and is the project **scientific coordinator**



Thank You for the attention!

Dr. Elisabetta Delle Donne
Pixel, Firenze

Tel.+39-055-48.97.00

E-mail: eli@pixel-online.net

www.pixel-online.net

Questions?

