European Funding Programmes for Science Education

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New Perspectives in Science Education Conference

Florence, 23 March 2018

Summary

- 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:

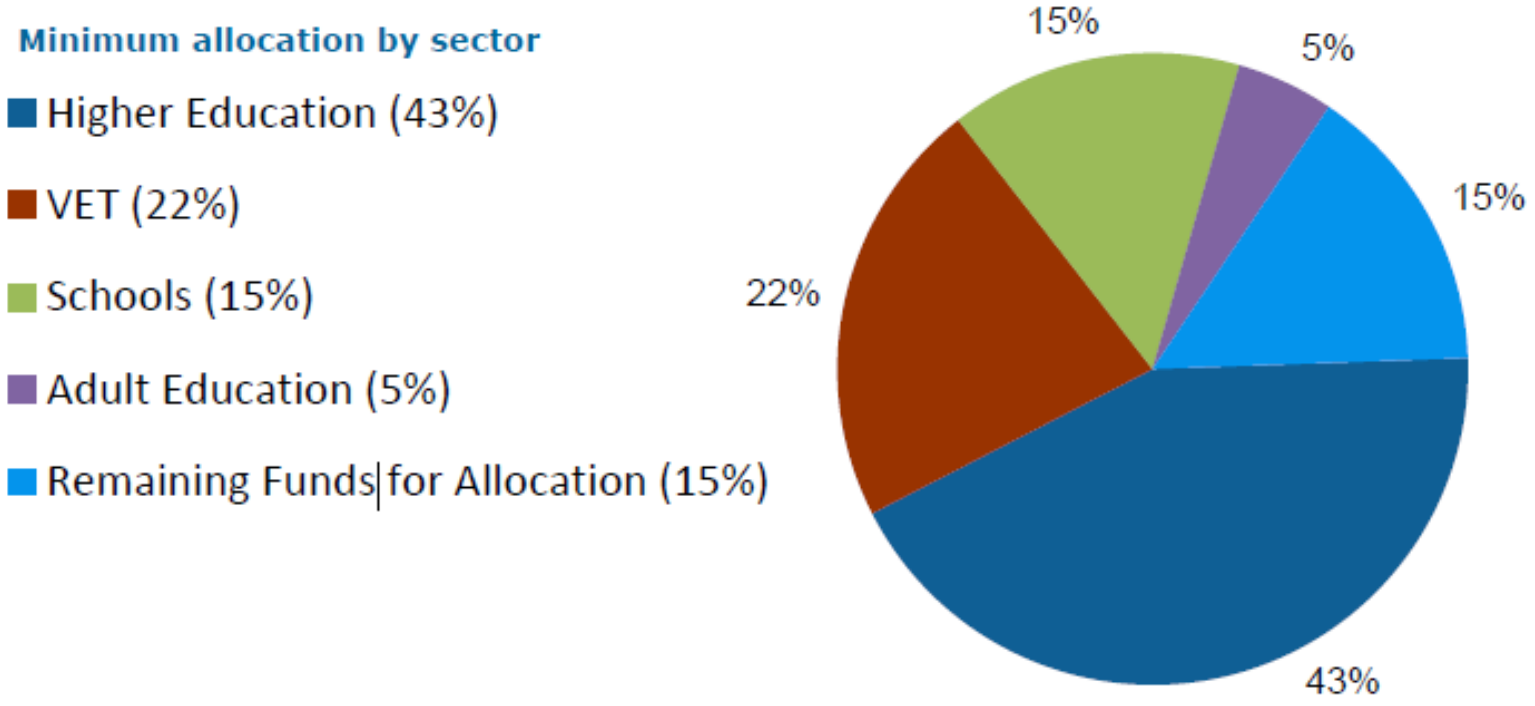
- Programme countries
  - The 28 EU member states
  - EEA countries: Iceland, Liechtenstein, Norway
  - Candidate Countries (i.e. Turkey, FYROM).
- Partner countries
  - Neighbourg Countries (i.e. Eastern countries, Southern Mediterranean countries, Western Balkans, Russia)
  - **All other countries in the world**

The Budget

The total budget for the period 2014-2020 is

14.7 billion euros

Breakdown of budget by sectors



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

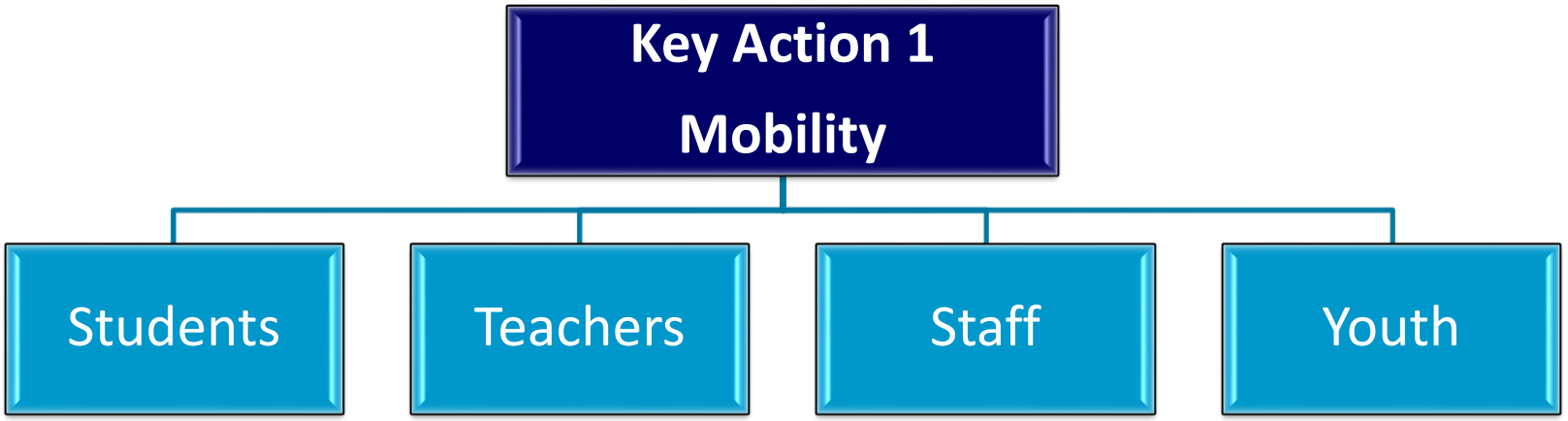
Support to Policy Reform

- 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

KA 1 - Mobility

Funded Activities in the field of HIGHER EDUCATION

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)

KA 1 - Mobility

Budget 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

KA 1 - Mobility
Information

Participants

At least one sending and one receiving organizations must be involved

Duration

16 to 24 months.

Deadline

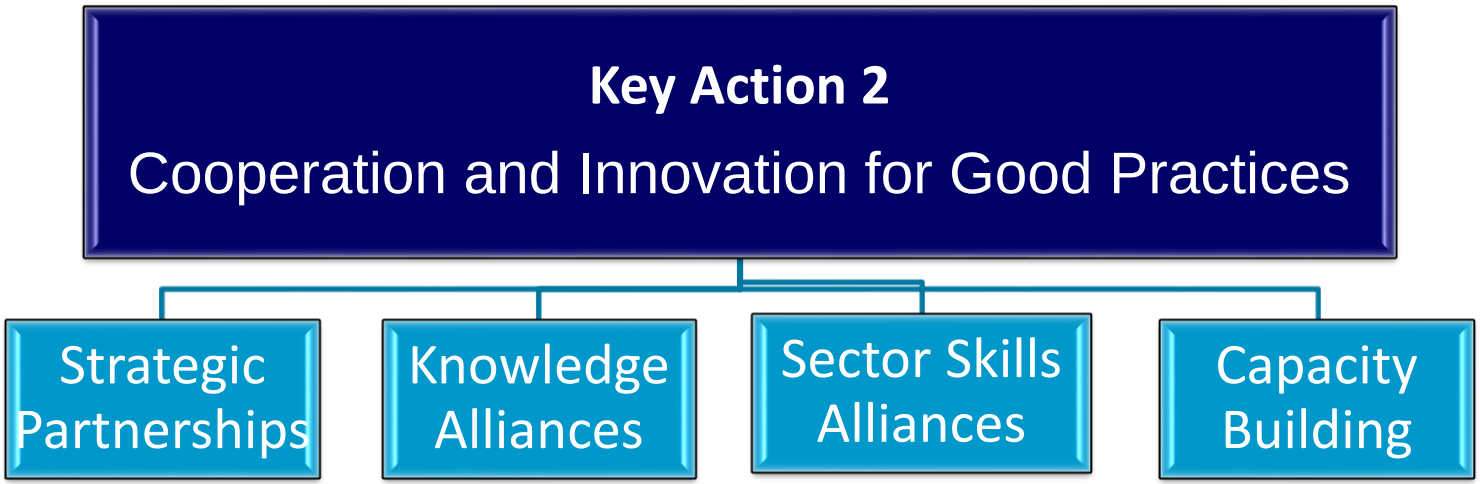
Beginning of February every year

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

KA2 Cooperation

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.

KA 2 – Knowledge Alliances
Information

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) **Eastrn 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**)**

KA 2 – Capacity Building in HE
Participants

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

KA 2 - Strategic Partnerships
Horizontal Priorities

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** • Strenghten 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

KA 2 - Strategic Partnerships
Information

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

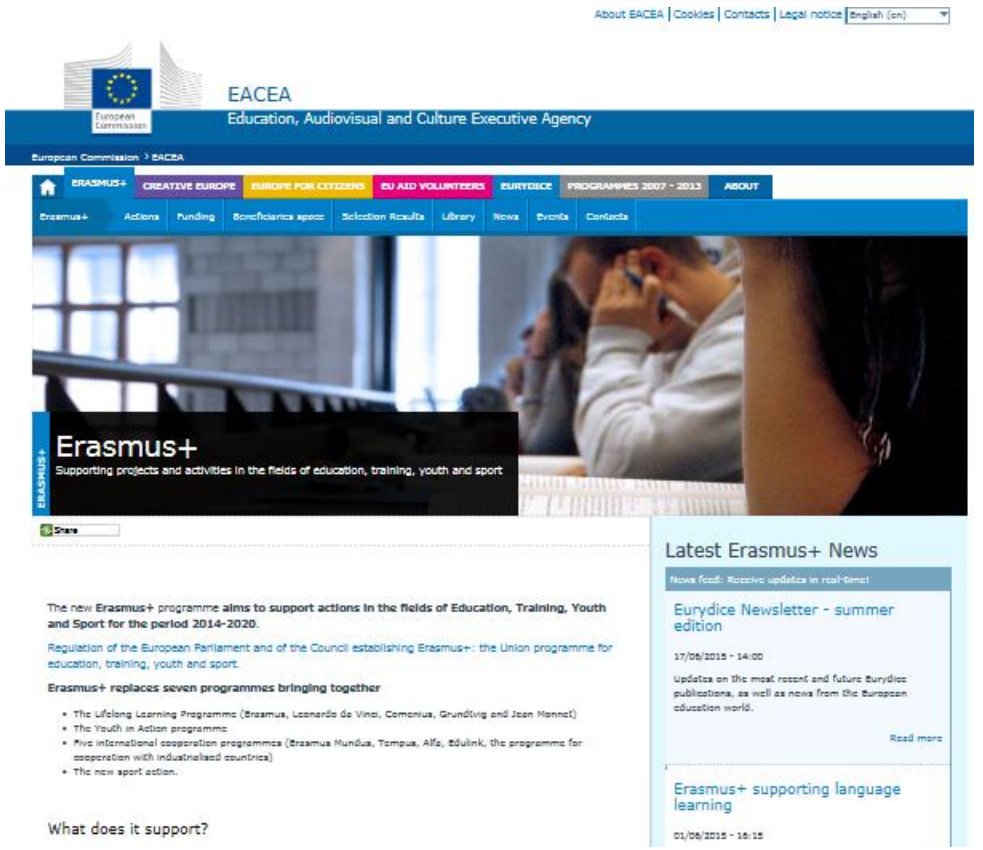
300 000 Euro (2 years projects)

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.



Horizon 2020: Pillars

Horizon 2020
First Pillar – Excellent Science

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

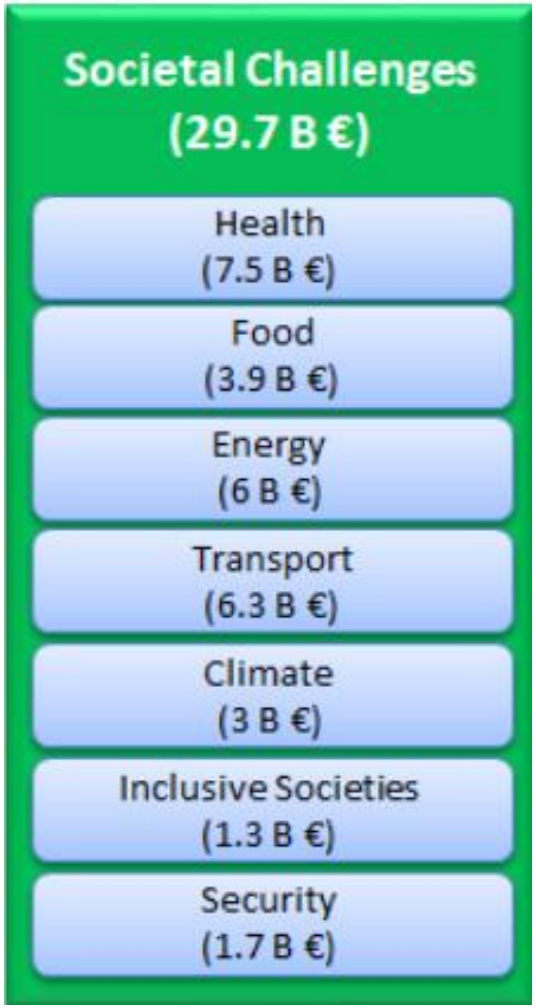
Horizon 2020
Second Pillar – Industrial Leadership

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.

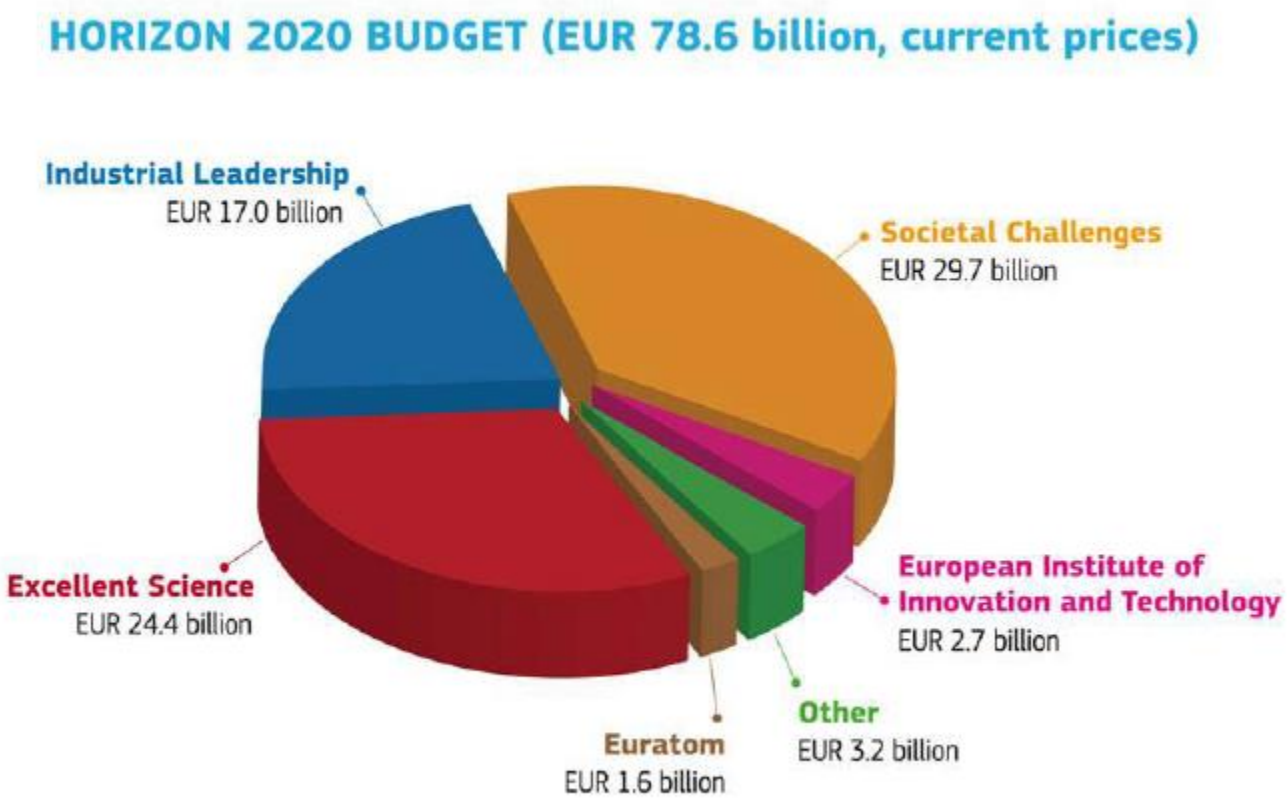
Horizon 2020
Third Pillar – Societal Challanges



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



Examples of Approved Projects

http://chemistry.pixel-online.org

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

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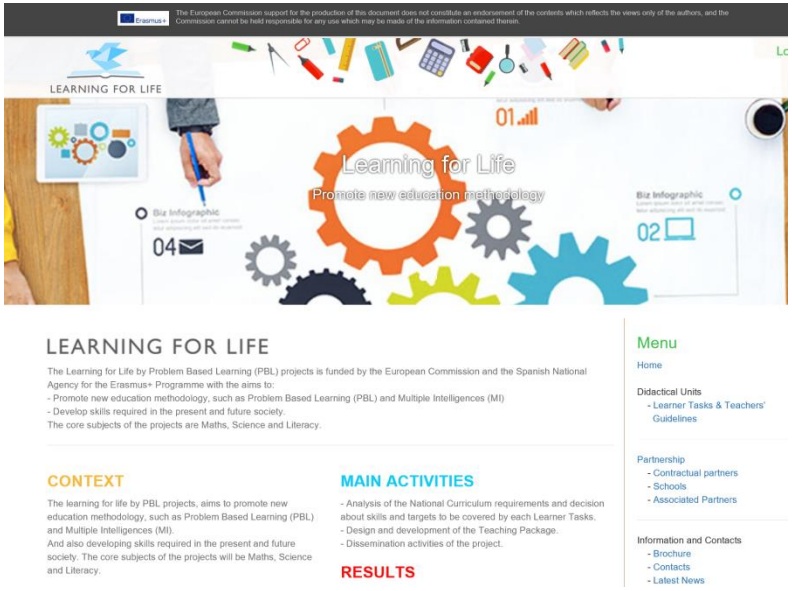
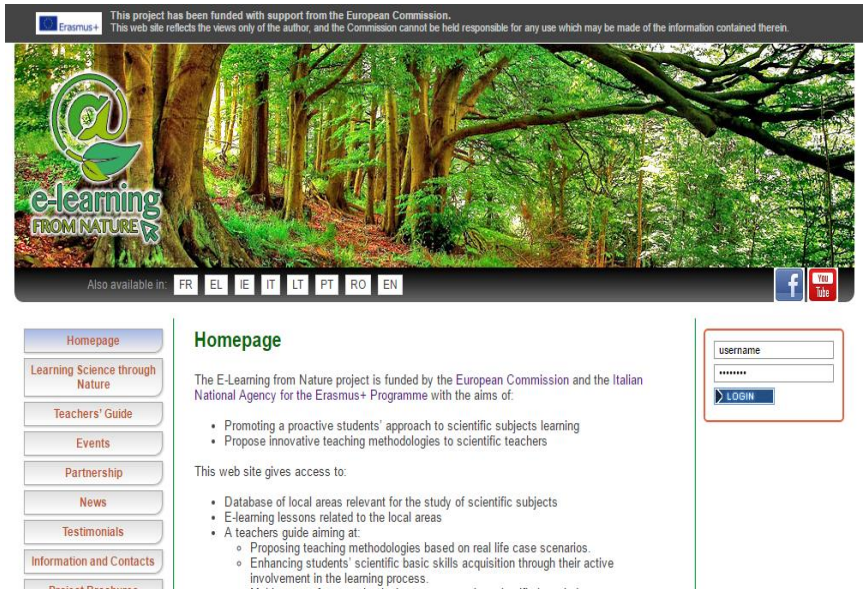


http://learningforlife.pixel-online.org/



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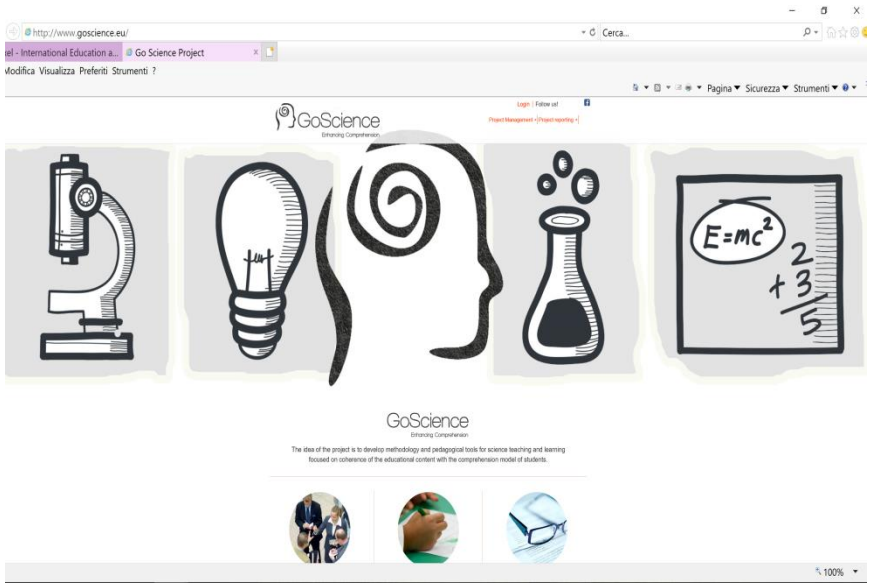
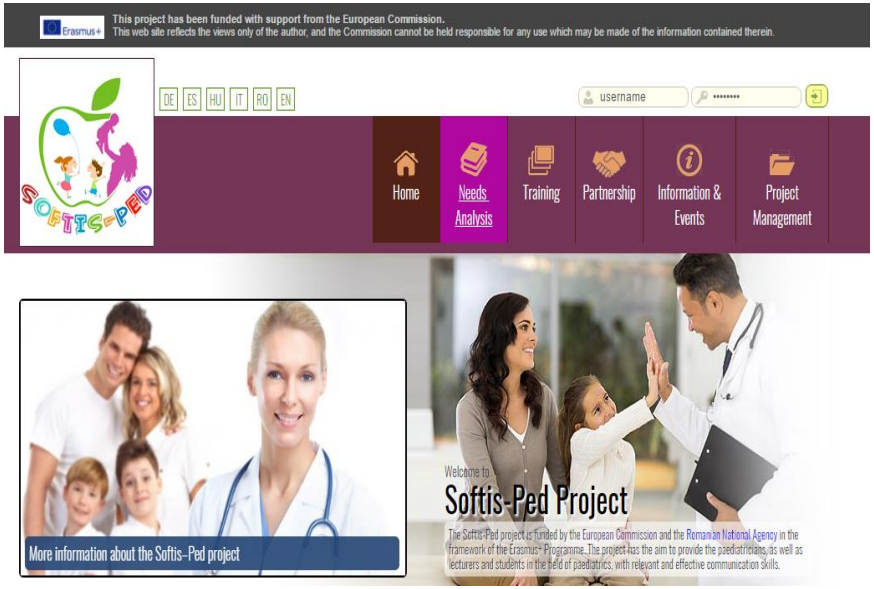


http://www.goscience.eu/

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

Examples of Approved Projects



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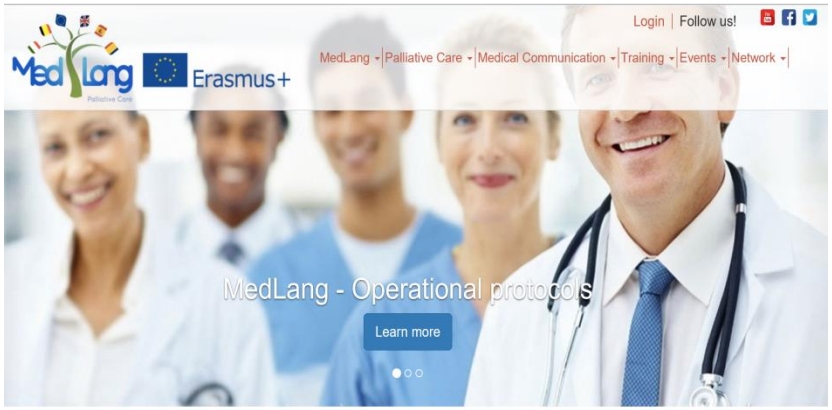

http://www.medlang.eu/

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!

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Questions?