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ViCE – DIT

May 10th



Education and Culture

Lifelong Learning Programme

Outline

- About the project
- Aims and Objectives
- Initiating the network



Origins of the project

- Follow on from previous project which developed a website and pilot teaching materials



Results of



- **Database of Documents**

concerning the strategies and policies adopted to promote Life Long Learning in scientific subjects (with a special focus on Chemistry).

- **Collection of Case Studies**

of direct experiences of Life Long Learning initiatives in scientific subjects.



Results of



National and Transnational Reports:

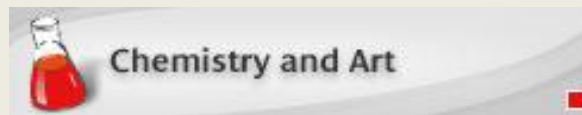
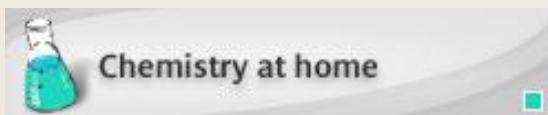
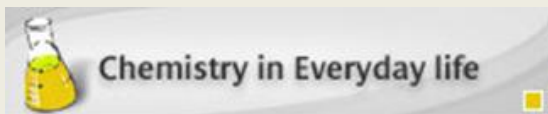
- Analysis of obstacles to lifelong learning of Chemistry.
- Analysis of effective initiatives carried out to overcome the barriers identified above.
- Identification of National and Regional strategies to promote Life Long Learning of scientific subjects.



Results of



- Pilot Educational Material for the promotion of Life Long Learning in Chemistry.





<http://www.chemistry-is.eu/>



The New Project Partnership:

Belgium: [INFOREF, Initiatives pour une formation efficace](#)

Bulgaria [Technical University of Gabrovo](#)

Czech Republic [Institute Of Chemical Technology Prague](#)

Greece [Technological Educational Institute \(T.E.I.\) of Ionian Islands](#)

Ireland [Limerick Institute of Technology](#)

Italy [University of Genova](#) [Connectis](#) [Pixel Associazione](#)

Poland [WSINF - Health Promotion Chair WSINF's Pedagogy-Rehabilitation Faculty](#)

Portugal [Instituto Politécnico de Bragança](#)

Slovak Republic [TRANSFER Slovensko, s.r.o](#)

Spain [CECE - Spanish Confederation of Education and Training Centres](#)

Turkey [Kırıkkale University Education Faculty](#)



Aims and Objectives

- Create a Network
- Enhance interest and stimulate active learning in Chemistry
- Share the most effective ICT based practical resources
- Organise transnational conferences
- Improve the perception of Chemistry as a subject for lifelong-learning



Project themes

- Year 1: Students' motivation
- Year 2: Teacher Training
- Year 3: Successful experiences



Target Groups

The main target groups of the project are:

- School teachers
- Students
- Scientific experts in chemistry
- Any others who will have access to the dissemination activities



Starting the network

- March 2012 – 13 partners met
- April 2012 – involvement of 10 teachers, 200 students and 5 experts from each country
- Collection of 5 items and 20 national resources on theme 1.
- Sharing on the portal and at virtual and actual meetings.....



Transnational discussion

Teachers and experts will participate in the transnational discussion on the network portal:

- At least 2 comments per year to be posted
- Participation in face-to-face workshops to discuss and assess material on portal
- Representatives to participate in on-line meetings



Ireland in the project – *on the cusp of a new Leaving Certificate Chemistry syllabus:*

“Learners will draw on their knowledge and understanding of the facts, principles and concepts from different areas of chemistry to evaluate and use arguments about the place of **chemistry in society**.....

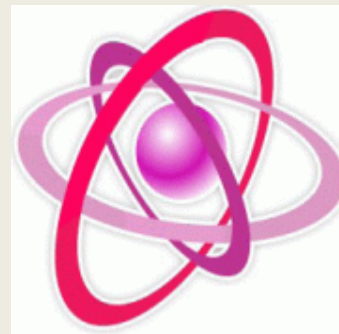
.....They will develop an appreciation of the **significance of chemistry** in personal, social, environmental, economic and technological contexts and an **awareness of advances** in technology, including ICT, relevant to chemistry.....”

Collecting Resources

iChemistry Irish CPD website

- resources include:
 - Updated PowerPoint presentations** with embedded **Numeracy and Literacy** suggestions,
 - Past LC Exams and Solutions,
 - DARTS** in various topics,
 - Flash Animations**,
 - Images**,
 - Video clips** for each of the sections in the Chemistry syllabus,
 - BBC programs:** History of the Atom (3 episodes) and History of Periodic Table (3 episodes),
 - Transition Year** material,
 - Practical Videos**,
 - Flash cards** for Mobile phones,
 - Sample lesson Plans.**

Presented at workshops organised in partnership with the Education Centres and with the local branches of the ISTA.



Chemistry is all around us: project portal

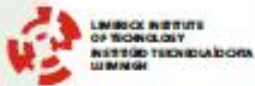
<http://projects.pixel-online.org/chemistrynetwork/info/index.php>



Comhghairníocht na dteagascóir ó aon cheann de na tíortha Eorpacha á gceisti a bhfuil baint acu leis an tionscadal:

- University of Genova (IT)
- Infante (SE)
- Technical University of Gabrovo (BG)
- Institute Of Chemical Technology Prague (CZ)
- Technological Educational Institute (TEI) of Ionian Islands (GR)
- Limerick Institute of Technology (IE)
- CECE - Spanish Confederation of Education and Training Centres (ES)
- Connexis (IT)
- Pbval Akademiene (LT)
- WSPiP - Health Promotion Chair WSPiP's Pedagogy-Rehabilitation Faculty (PL)
- Instituto Politécnico de Bragança (PT)
- TRANSFER Slovensko (SK)
- Kırıkkale University Education Faculty (TR)

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Láithreán gréasáin an tionscail: <http://www.chemistrynetwork.eu/info/>



Lifelong Learning Programme

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Project Number: 2002-LLP-001-IT-CE-00002-C008



UNIVERSITÀ DEGLI STUDI
DI GENOVA



LIMICK INSTITUTE
OF TECHNOLOGY
INSTITUTO TECNOLÓGICO
LIMERICK



Project brochure: to be circulated later this month

CHEMISTRY

IS ALL AROUND NETWORK

CONTEXT

The Chemistry is All Around Network, funded in the framework of the Lifelong Learning Programme – Comenius sub programme – Networks Action, aims at stimulating the interest of students towards the study of Chemistry. Among the scientific fields, chemistry is identified as an exemplary case study as it is recognised as one of the most difficult subjects.



AIMS

The specific aims of the Chemistry is All Around Network are:

- Enhance the interest for chemistry, by sharing the most effective strategies for learning and teaching this subject
- Present chemistry under a renewed and positive attitude, by giving evidence to how it affects everyday life and how it can contribute to the explanation of many everyday phenomena.
- Improve science teaching methodologies through the cooperation between teachers and experts
- Create a Network among educational institutions for the exchange and comparison of experiences in order to fill in the gap between the world of scientists and school teachers

TARGET GROUPS

The project is addressed to school teachers and scientific experts.

MAIN ACTIVITIES

The main foreseen activities are:

Research activity

Involvement of chemistry teachers and scientists in a joint effort to share information about:

- Students' Motivation
- Teacher Training
- Successful Experiences and Good Practices.

Collection of Teaching Resources

Creation of a database of existing teaching resources and materials to teach Chemistry with a more innovative, attractive and interactive approach, focusing on the valorisation of enquiry based methods and solutions.

Networking Activities

Organisation of meetings to involve chemistry teachers and scientists in a transnational discussion aiming at sharing strategies and solutions for promoting the learning of chemistry.

Transnational Conferences

Organisation of international conferences presenting the state of the art and the perspectives as far as the topics of students' motivation, teacher training, and successful experiences in teaching chemistry are concerned.



RESULTS

- Database of reviews of publications on teaching chemistry
- Papers presenting the state of the art and the foreseen future perspectives of teaching chemistry
- Collection of reviewed and assessed chemistry teaching resources
- Organisation of transnational conferences

Thank you

ANY QUESTIONS?