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| Project number | 2009-1-MT1-ERA10-00204 |
| Country/National Agency of the project coordinator | Malta [MT1] |
| Title | Nanomaterials in Chemistry |
| Year when first awarded an IP grant (funding available for maximum 3 years) | 2009 |
| Subject area code | 4421 - Biochemistry ERA-13.6 442 - Chemistry 4421 - Biochemistry |
| Description | <p>Nanomaterials in Chemistry – Nanochem</p> <p>Development and commercialisation of new product and techniques involving nanostructures requires a multidisciplinary approach. Synthesis of organic polymers leads to applications in a large variety of disciplines in the nano-industry such as coatings, fibres and textiles, solar cells, gen-therapy, material sciences and analytical technology.</p> <p>Bringing new materials on the market implies risks when thinking about health and safety, and environment.</p> <p>By combining all those topics in an IP programme with contribution of R&D departments of universities and companies, it's a great opportunity for the teachers and the students of the participating institutions to learn from each other and to exchange some expertise on the subjects.</p> <p>Theoretical lectures will be alternated with practical courses related to polymers and nanomaterials. Some courses can be given by the teachers from the partner schools, more specialised courses will be supported by lecturers from companies.</p> <p>A good cooperation with R&D units in universities and suppliers of analytical instruments will be stimulated because they are prepared to put at our disposal some very specific devices needed for analytical measurements, such as measuring particle size and molecular properties.</p> <p>The cooperation in the IP programme can result in a future knowledge transfer between participating institutions and facilitate the exchange of students for practical training in companies between the countries.</p> <p>This programme gives the students the opportunity to work in a multidisciplinary and multicultural environment.</p> |
| Coordinator | Universita' ta' Malta LLP/ERA/MT/IP/02/2009 |
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| Partners | <p>Partner 1 Vilnius College of Higher Education - LT Partner 2 Turun ammattikokeakoulu - FI Partner 3 Pirkanmaan ammattikorkeakoulu - FI Partner 4 IMC Fachhochschule Krems GesmbH - AT Partner 5 Plantijn Hogeschool van de provincie Antwerpen - BE Partner 6 Panstwowa Wyzsza Szkola Zawodowa w Tarnowie - PL</p> |
| LLP Grant | 27.920,00 € |

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| Planned number of students | 21 | |
| Working language | EN-English | |
| Activity duration - Location | Activity duration (in days): 10 Location: Antwerpen | Activity duration (in days): N/A Location: N/A |