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ERASMUS LLP : ΕΜΠΕΙΡΙΕΣ ΚΑΙ ΣΚΕΨΕΙΣ ΓΙΑ ΤΟ ΜΕΛΛΟΝ

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PHAR-QA: Quality Assurance in European Pharmacy Education and Training

PHARMacy education IN Europe **PHARMINE**

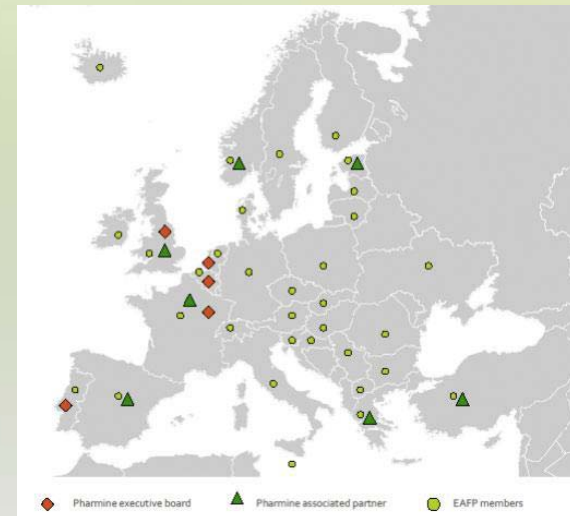
This project was funded with support from the Lifelong Learning Programme of the European Union:

142078-LLP-1-2008-BE-ERASMUS-ECDSP.

Aims and Objectives

- Identify and survey EU HEIs
- Produce core competency curricula
- Produce a new EU curriculum model with **PHAR-QA**
- Apply PHARMINE paradigm to other regions...

www.pharmine.org



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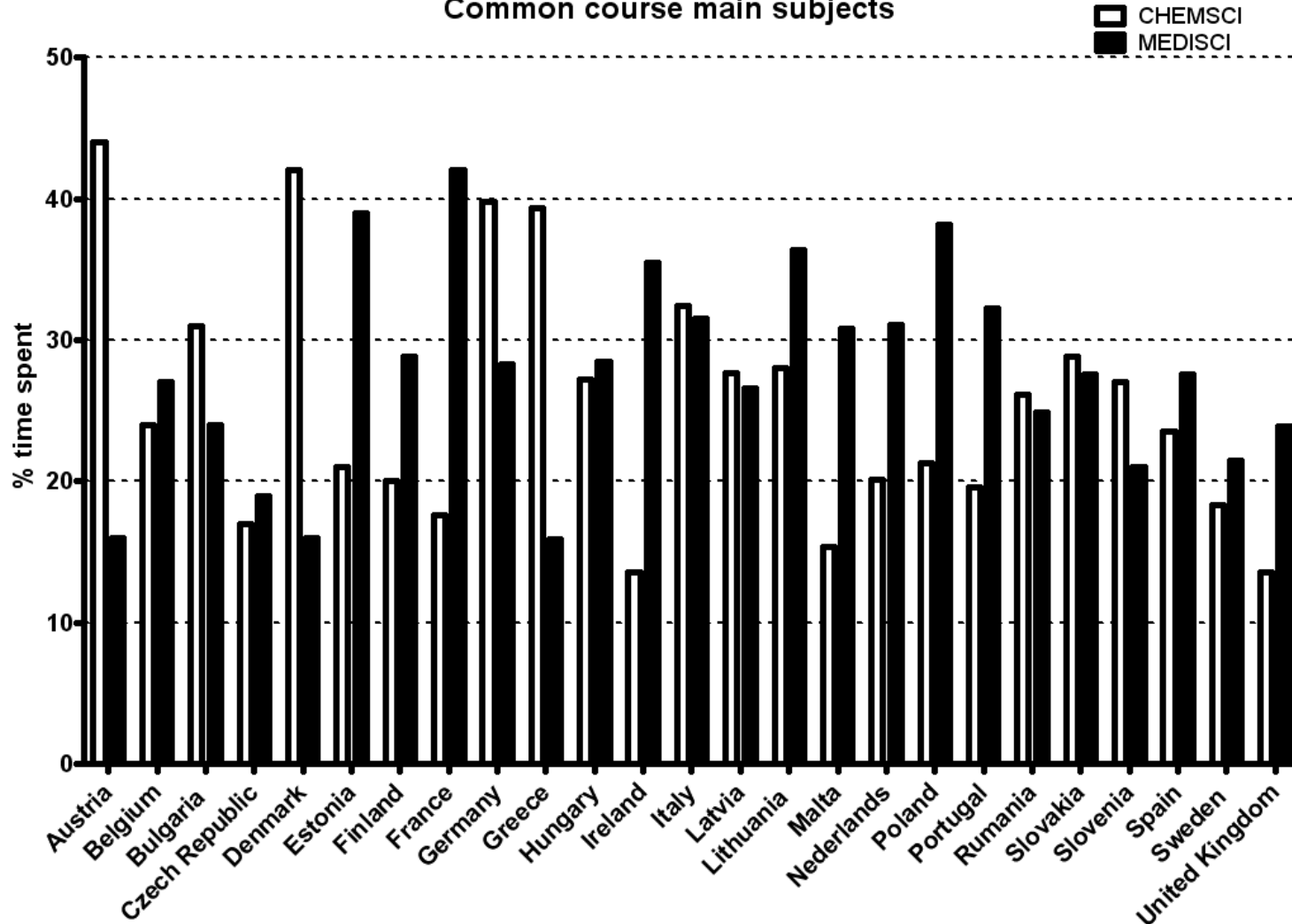
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Col. stats	A	B	C	D	E	F	G
	CHEMSCI	PHYSMATH	BIOLSCI	PHARMTECH	MEDISCI	LAWSOC	GENERIC
	Y	Y	Y	Y	Y	Y	Y
Number of values	25	25	25	25	25	25	25
Minimum	14	2.0	2.0	5.9	16	0.60	1.0
25% Percentile	19	4.8	7.6	13	23	3.4	4.3
Median	24	6.4	11	15	28	6.2	6.4
75% Percentile	30	8.6	14	20	32	9.4	8.9
Maximum	44	11	24	23	42	16	16
Mean	26	6.5	11	16	28	6.6	7.1
Std. Deviation	8.7	2.4	5.5	4.6	7.2	4.0	4.2
Std. Error	1.7	0.48	1.1	0.91	1.4	0.79	0.85
Lower 95% CI of mean	22	5.5	9.1	14	25	5.0	5.3
Upper 95% CI of mean	29	7.5	14	18	31	8.2	8.8
KS normality test							
KS distance	0.13	0.11	0.13	0.11	0.081	0.15	0.22
P value	> 0.10	> 0.10	> 0.10	> 0.10	> 0.10	> 0.10	0.0040
Passed normality test (alpha=0.05)?	Yes	Yes	Yes	Yes	Yes	Yes	No
P value summary	ns	ns	ns	ns	ns	ns	**



PHAR-QA: Quality Assurance in European Pharmacy Education and Training

Common course main subjects





Quality assurance in pharmacy education and training in Europe

<http://www.pharmine.org/PHAR-QA/>

PHAR-QA

- ◆ **Mission Statement**
- ◆ **Partners**
- ◆ **Advisory Board**
- ◆ **Work Packages**
- ◆ **Events**
- ◆ **Dissemination**
- ◆ **Lorraine Site**

Mission Statement

The PHAR-QA project will look at the interesting problem of QA in the context of Bologna and EHEA principles of education and training of a sectoral profession (pharmacy) in which studies are governed by an EU directive (2005/36/EC) and are characterized by their long duration (5 years), the important roles played by apprenticeship/traineeship and continuing professional development. Furthermore besides these two demands (the EU directive and Bologna) on pharmacy education and training (PET), PET supply has to reply to 2 other demands: the evolution of the role of the pharmacist in the healthcare system and the European pharmaceutical industry. Within this context the PHARMINE consortium produced a series of competence frameworks that can also be included in QA for pharmacy.

The way in which QA replies in the future to demand in PET will be studied in different HEIs that are in the process of evolving their courses in order to meet the 4 demands given above. Thus concerning the question: who will use these project outputs, those first concerned are the approximately 200 HEIs and their 9000 staff and 19,000 students (figures from PHARMINE) involved in PET.

The second target group consists of the education and healthcare sectors of national governments that have to fix resources to be put into PET within the greater picture of ensuring economic, safe and effective healthcare for the population.

Thirdly EU DGs such as DG Internal Market that elaborate directives for the free circulation of members of a sectoral profession such as pharmacy are interested in guaranteeing that pharmacists from all EU member states have the same quality in PET and thus the same competences. It is obvious that again for the latter QA in PET is essential.

Fourthly the pharmacists and their chambers and societies are obviously interested in QA in PET. The population of the 25 EU member states under consideration in PHARMINE (Luxembourg and Cyprus were excluded from the analysis as they do not have a full pharmacy degree in the HEI cursus) is 501 million. A total of 419,353 pharmacists work in these 25 countries.



PHAR-QA: Quality Assurance in European Pharmacy Education and Training

•The PHAR-QA (**Quality Assurance in European PHARmacy education and training**) is funded by the EU ERASMUS LLP. The PHAR - QA project will focus on competences and quality assurance in the education and training of European pharmacists extending the study initiated by PHARMINE (Pharmacy Education in Europe).

PHAR-QA is run jointly by a consortium of universities at the forefront of educational research and development in pharmacy. Led by the Pharmacy Faculty of the Vrije Universiteit Brussel and the Pharmacolor Consultants, Nancy in France and the participation of:

- University of Granada, Spain
- National and Kapodistrian University of Athens, Greece
- University of Tartu, Estonia
- University of Helsinki, Finland
- University of Ljubljana, Slovenia
- Jagiellonian University of Cracow, Poland
- Medical and Pharmaceutical University Carol Davila of Bucharest, Romania



PHAR-QA: Quality Assurance in European Pharmacy Education and Training

The project **outcomes** will be used by 200 HEIs in Europe; education and healthcare sectors of national governments; EU DGs and the professional organizations of pharmacists.

PHAR-QA outcomes will also be **disseminated** to:

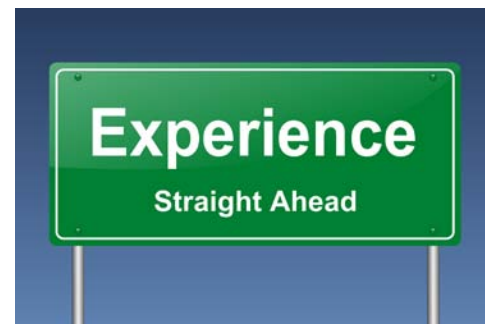
- Students and staff in the faculties;
- EU pharmacists (community, hospital, industrial and others);
- National and European healthcare specialist groups;
- Members of the European pharmaceutical, biotechnological, chemical, agricultural (especially pharmaceutical food science) industries



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ΔΙΑΦΟΡΕΤΙΚΕΣ ΑΠΟΨΕΙΣ- ΣΥΖΗΤΗΣΗ
ΘΕΜΑΤΑ ΠΟΥ ΑΝΑΚΥΠΤΟΥΝ ΣΤΗΝ ΠΟΡΕΙΑ
ΑΝΤΑΠΟΚΡΙΣΗ ΑΠΟ ΤΟΥΣ ΕΞΩΤΕΡΙΚΟΥΣ ΟΡΓΑΝΙΣΜΟΥΣ-ΑΠΟΔΕΚΤΕΣ**



**ΣΥΝΘΕΣΗ ΤΩΝ ΟΜΑΔΩΝ : ΝΕΟΙ ΕΡΕΥΝΗΤΕΣ-ΔΕΠ-ΦΟΙΤΗΤΕΣ
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“ERASMUS OFFICE” ΣΤΙΣ ΓΡΑΜΜΑΤΕΙΕΣ
ΔΙΑΡΚΗΣ ΕΝΗΜΕΡΩΣΗ:ΤΟ ΙΚΥ ΣΤΑ ΤΜΗΜΑΤΑ
ΕΝΤΑΞΗ ΣΤΑ ΣΤΡΑΤΗΓΙΚΑ ΣΧΕΔΙΑ ΤΩΝ ΑΕΙ**

