



Innovative Medicines Initiative

# Pharmatrain – improving pharmaceutical education in Europe



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# Medicines Development Science/ Pharmaceutical Medicine

IFAPP, [www.ifapp.org/pub](http://www.ifapp.org/pub)



- The medical scientific discipline concerned with the *discovery, development, evaluation, registration, monitoring and medical aspects of marketing of medicines* for the benefit of patients and the public health



efpia\*

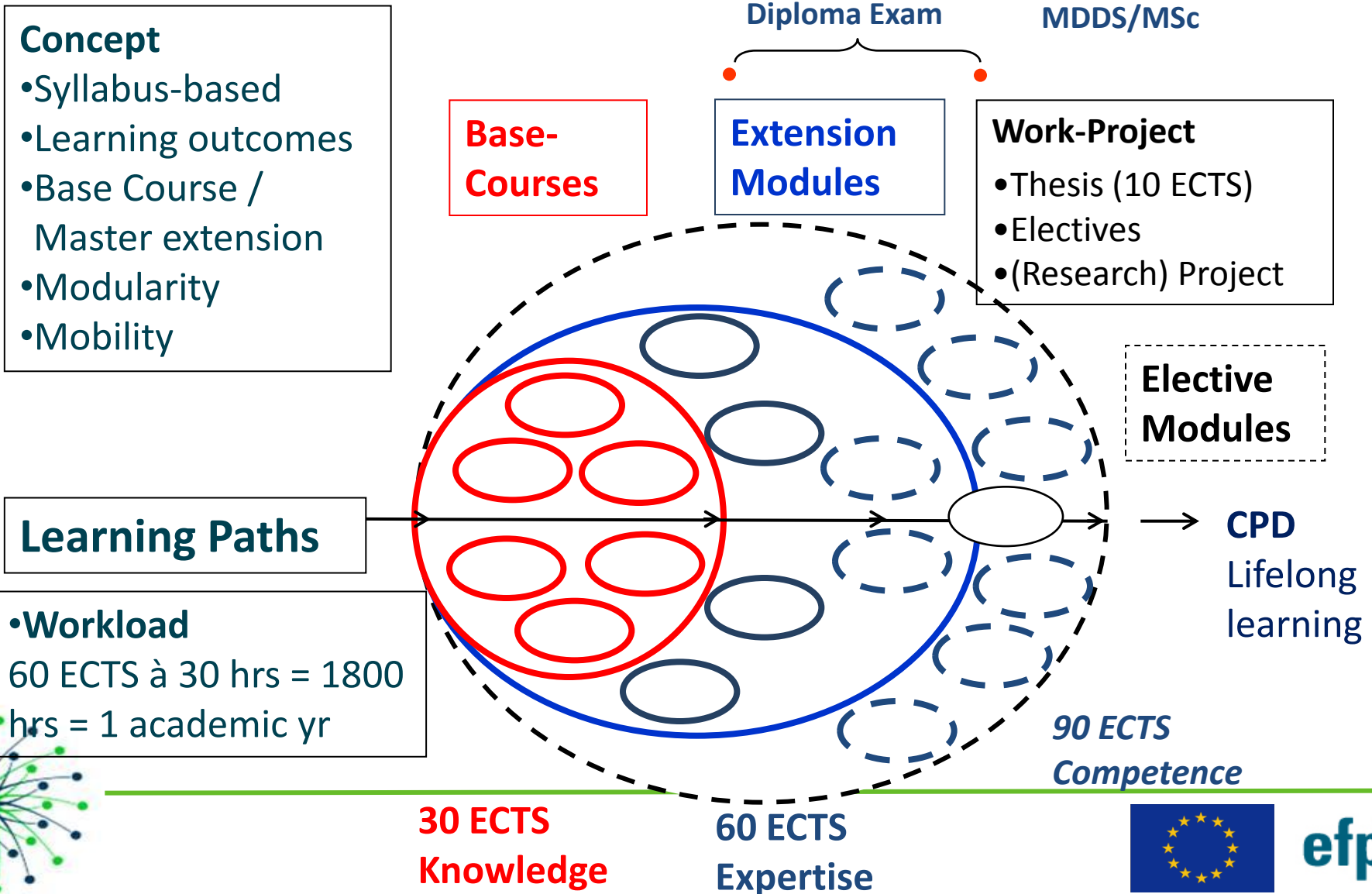
# The goals of IMI-PharmaTrain project



- The harmonisation and modernisation of the post-graduate teaching of pharmaceutical medicine/drug development science in Europe
  - Comprehensive syllabus of teaching topics
  - Base level course: 30 ECTS
  - Master level course: 30 + 30 ECTS
- The geographical extension of pharmaceutical medicine teaching within the EU beyond Western-Europe
- Further world-wide role out of the teaching program in cooperation with IFAPP
  - USA, Asia: China, India
  - International scientific accreditation by IFAPP



# Postgraduate Three Tier Modular Process: "Good Bologna Practice, GBP"

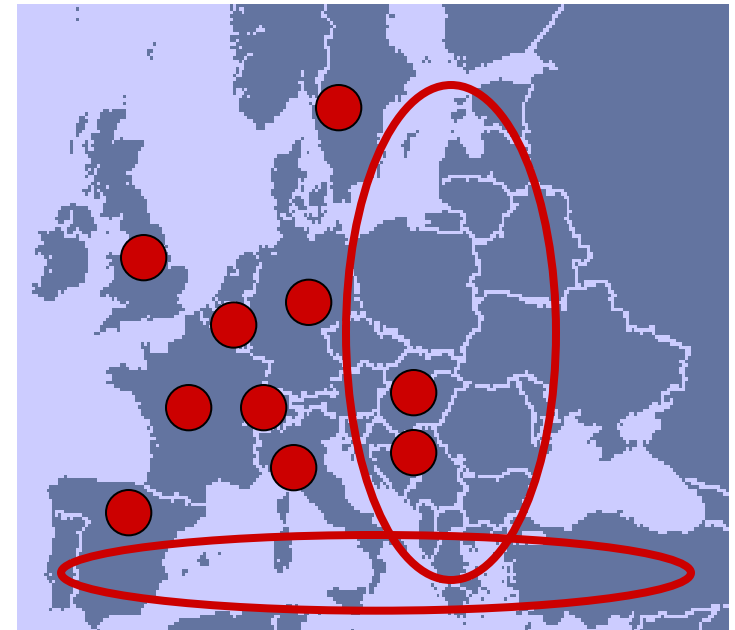
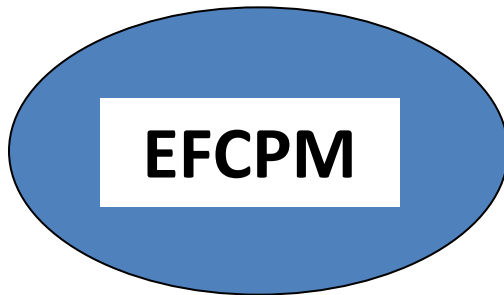


# How to provide education to EU MSs where no comprehensive PhM education exists?



- Countries where PhM education exists, member universities of EFCPM

CEE + Mediterranean regions



• It is economically not cost-effective to organize separate national courses in small countries and/or in those countries with a relatively weak pharmaceutical industry



# Cooperative European Drug Development Course (CEDDC)



- Czech Republic
- Estonia
- Greece
- Hibernia College, Ireland
- Hungary
- Lithuania
- Montenegro
- Poland
- Portugal
- Romania
- Serbia (Belgrade and Novi Sad)
- Slovakia
- Slovenia
- Turkey



# Integration level of education

Second International Seminar on Joint Degrees - Antwerp, 26th March 2010 ([www.joiman.eu](http://www.joiman.eu))



Highest level  
of integration

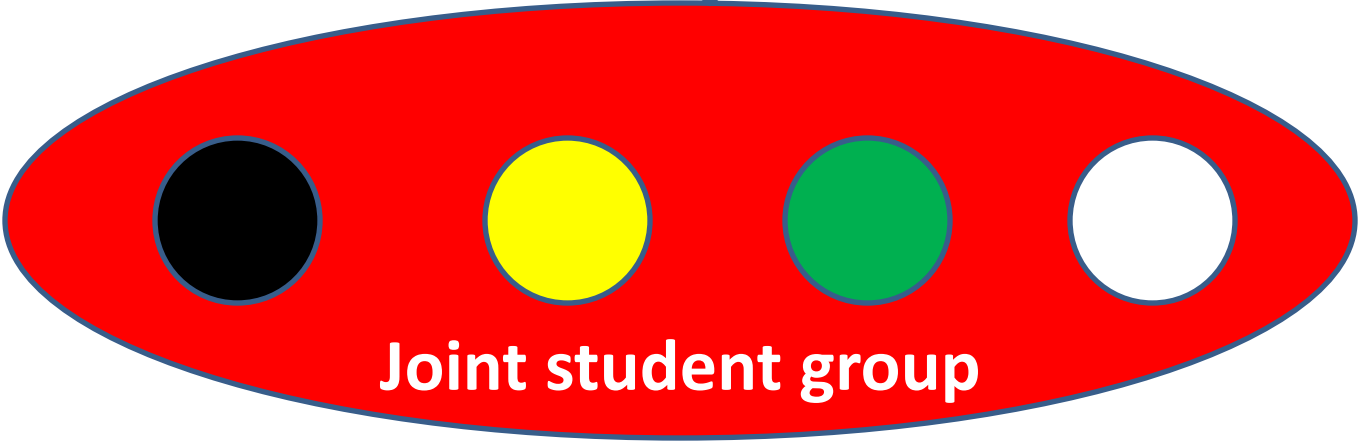
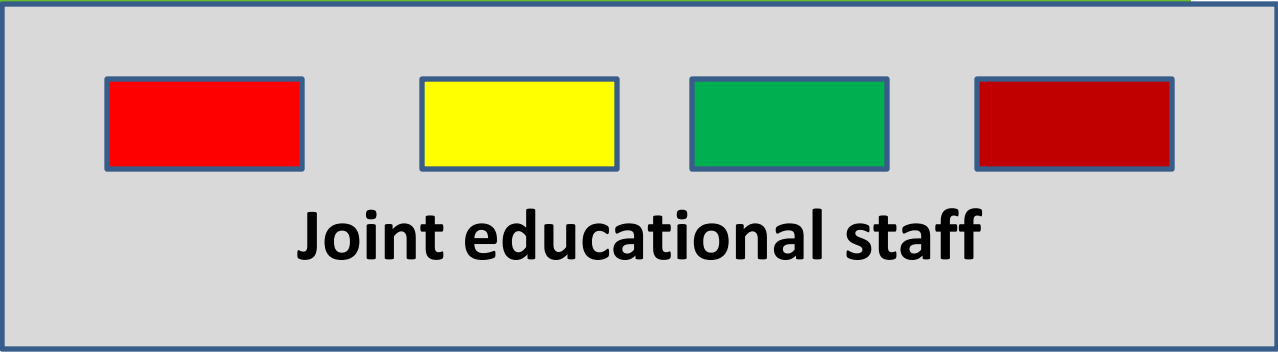
- *Joint administration of students and ad hoc services*
- *Joint QA measures*
- *Common budget and tuition fees*
- *Jointly developed curriculum (learning outcomes)*
- *Focus on international students*
- QA measures standards jointly agreed
- Curriculum based on existing courses/ exploitation of excellences
- Jointly agreed students' services and standards
- Based on own institution tuition policies
- Focus on local students
- Curriculum based on existing comparable courses

Lowest level  
of integration  
(Structured mobility in  
bilateral cooperation)



efpia

# Organization of joint education



All the teaching activities will be done jointly for all the enrolled students by a joint educational staff



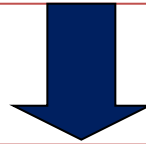


# Planned cooperation of universities and interested stakeholders within the CEDDC



Joint Educational Staff for each module  
composed of academic and industrial lecturers

**International  
Advisory Board**



IMI-PhT Harmonized Educational Program and Examination  
*International recognition*



**Governing Board**

**Participating Universities**

Stakeholders: advisors from innovative and generic  
pharmaceutical industries, regulatory agencies

**Recognize joint degree,  
issue national degree if needed**

**National accreditation**



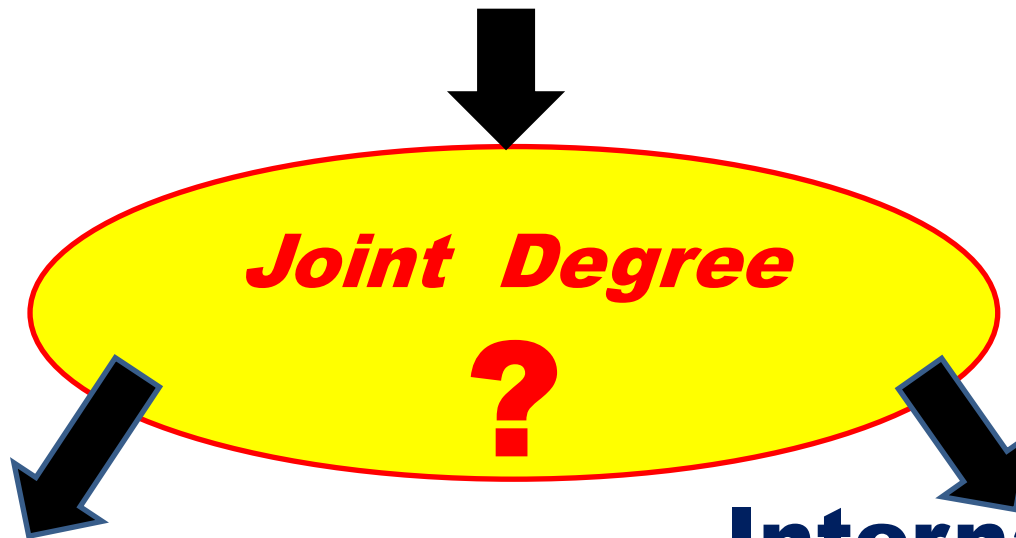
# Accreditation and the joint degree

## The problems faced by a multinational course

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*Harmonized IMI-Pharmatrain-EFCPM curriculum*



***National  
accreditations  
National degrees***

**International  
scientific  
accreditation  
by IFAPP**



**efpia**

# IMI-Pharmatrain

## European Curricula for Global Expertise

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# MASTERING MEDICINES DEVELOPMENT

The text 'MASTERING MEDICINES DEVELOPMENT' is written in a bold, blue, sans-serif font. To the left of the text are several yellow stars of varying sizes, arranged in a pattern similar to the European Union flag.

- The harmonised Medicines Development Curriculum and the quality assurance program is ready
- Presently the implementation of the program is ongoing by the various course providers in Europe
- Global roll out was started jointly with IFAPP

**CEDDC, the multinational university consortium will initiate training medicines development science for experts of the CEE region in 2012**

