

# **From a Curriculum Development Application via a Joint Master Programme to a Joint Doctorate?**

Stefan Berger, Brüssel 9.7.2009

# Initiative by the Utrecht\* Network

July 2004: Joint master program in chemistry, focused on spectroscopy

**First consortium meeting in Bologna, 27.11. 2004**

Participants:

**Bergen, Bologna, Helsinki, Krakow, Leipzig, Lille, Madrid**

\* Aarhus, Antwerp, Basel, Belfast, Bergen, Bochum, Bologna, Bratislava, Brno, Budapest, Coimbra, Cork, Graz, Helsinki, Hull, Iasi, Iceland, Krakow, Leipzig, Lille, Lubljana, Lund, Madrid, Malta, Riga, Straßbourg, Tartu, Thessaloniki, Utrecht, Vilnius.

# ASC Distribution in Europe



# Persons

Bergen:	Prof. George Francis (Mass Spectrometry)
Bologna:	Prof. Agostino Trombetti (Optical Spectroscopy)
Helsinki:	Prof. Kristina Wälhälla (NMR Spectroscopy)
Krakow:	Prof. Jan Najbar (Optical Spectroscopy)
Leipzig:	Prof. Stefan Berger (NMR Spectroscopy)
Lille:	Prof. Jean Pierre Wignacourt (X-Ray)
Madrid:	Prof. Jesus Santamaria (Optical Spectroscopy)

# Bologna (ASC) Agreements

## Advanced Spectroscopy in Chemistry

(Chemistry master with a special focus)

**Curriculum Development** application March 2005

Consortium leader: Lille

Master study program comprising 4 terms,  
120 ECTS in total, 30 ECTS master thesis.

First term identical on all places, second and third term  
choice obligatory with obligatory mobility.

# Follow up Meetings

Leipzig, May, 25, 2005

Krakow, Oktober, 14, 2005

Madrid, March, 3, 2006

Helsinki, Oktober, 6, 2006

Bergen, March, 14, 2007

Lille, November, 15, 2007

Bologna, February, 8, 2008

Leipzig, Oktober, 24, 2008

Krakow, January, 30, 2009

Madrid, Oktober, 2, 2009

**CD Application granted**

**Decision to apply for EM**

**First EM Application Failed**

**Decision to apply again**

**EM Application granted**

Selection of first students

**Start of EM Program**

Selection of next group

**First Graduation**

# Student flow (CD)

## Curriculum Development

2006: Start in Lille with 5 Students

2007: 11 Students in Lille

Three mobilities: 1 Bologna, 2 Leipzig

2008 1 mobility to Leipzig

# Student flow (EM-2008)

## Erasmus Mundus

2008: 26 Students, 3 EU (1 French, 2 Germans)

13 Lille, 13 Leipzig

2009: **Mobility in the third term:**

4 from Leipzig to Lille

2 from Lille to Leipzig

1 to Bologna, 5 to Krakow

1 to Madrid, 7 to Bergen

4 to Helsinki

# Student flow (EM-2009)

## **New students EM-2009**

22 (1 German)

12 in Lille, 10 in Leipzig

# Typical Problems-I

## External organisational problems

Academic Calendar in Europe

Visa Problems: EU declaration 2004/114?

Insurance Problems

Accrediting

# Typical Problems-II

## **Internal organisational problems**

Tuition Fees

Joint degree

Mobility scheme

Language Unit

Credit points and workload

Staff mobility

# Joint Doctorate-I

Application deadline April 2009

Shifting from general spectroscopy to NMR only

**Old partners:** Lille and Leipzig (solid state NMR and HR-NMR)

**New partners:** Brno and Stellenbosch (Bio-NMR and organometallic NMR)

# Joint Doctorate Distribution in Europe



# Joint Doctorate-II

Lille – Leipzig – Brno – Stellenbosch

**Trans-European and Mundus-type perspective**

Different NMR-techniques

Common supervision

3 months external visits during one Ph.D.