


Excellence in Analytical CHEMISTRY


<http://www.analyticalchemistry.eu/>
<http://each.ut.ee/>


Ivo Leito
Tartu Ülikool
Ivo.leito@ut.ee



UNIVERSITAS TARTUENSIS
1632

Co-funded by the
Erasmus+ Programme
of the European Union






**UPPSALA
UNIVERSITET**


*Organic and bioorganic analysis,
advanced separation methods, mass
spectrometry*

*Fundamentals of analytical chemistry,
metrology in chemistry, quality assurance,
socio-economic aspects*



**Åbo Akademi
University**

*Advanced analytical devices,
sensors, miniaturization,
electrochemistry*




Lyon 1

*Industrial analysis, process
control and monitoring*

25.11.2016
ERASMUS+ Info Days Vilnius 2016
1

About EACH EM JMD



University of Tartu
*Fundamentals of analytical chemistry,
metrology in chemistry, quality assurance,
socio-economic aspects*

Year 1: Fundamentals + Placement

60 ECTS

Uppsala University
*Organic and
bioorganic analysis,
advanced separation
methods, mass
spectrometry*

**University of
Lyon**
*Industrial analysis,
process control
and monitoring*

Åbo Akademi
*Advanced analytical
devices, sensors,
miniaturization,
electrochemistry*

Year 2: Specialisation + Master's thesis

60 ECTS

25.11.2016
ERASMUS+ Info Days Vilnius 2016
2

The screenshot shows the EACH website homepage. At the top, there are logos for the European Union, Uppsala University, and Abo Akademi University. The main heading is 'What is EACH?' followed by a paragraph describing the two-year joint master's programme. Below this, there is a video player and a gallery of images. A sidebar on the right lists various navigation options. The bottom section features a news update about the 2017 admission period and a chat button.

Why set up an EM JMD?

- EACH for UT:
 - Increase of visibility and popularity of UT
 - Finding better student candidates
 - Increase the level of chemistry teaching at UT
 - Indeed, the level of students has increased
 - To achieve economic sustainability
 - Difficult to say ...
 - To have an EM JMD coordinated by UT

Some considerations

- Small consortium
- Simple study track
- Added value of joint programme
 - Compared to individual programmes at partners
- Increase of visibility/importance of analytical chemistry
- As equal as possible status of partners within the consortium

25.11.2016

ERASMUS+ Info Days Vilnius 2016

5

Applications

- We applied **four times**

Year	2010	2011	2012	2014
	University of Tartu			
Partner University	Uppsala	Uppsala	Uppsala	Uppsala
	Oulu	Oulu	Oulu	Lyon Claude Bernard 1
	Technical University of Denmark	Åbo Akademi	Åbo Akademi	Åbo Akademi

25.11.2016

ERASMUS+ Info Days Vilnius 2016

6

Feedback

- The feedback ranged from good to very good
- **2010: GOOD**
 - *website for the proposed programme is not yet developed; no reference to an academic ethical code of conduct*
- **2011: VERY GOOD**
 - *limited geographical coverage (Baltic Sea Region)*
- **2012: VERY GOOD**
 - *POS: has well-established collaborations with several external actors (academic and industrial) and the role of APs for teaching, internship and contribution to promotion is well described.*
 - *NEG: however, the engagement with other socio – economic sectors, e.g. professional bodies, is not described.*

25.11.2016

ERASMUS+ Info Days Vilnius 2016

7

Prerequisites for EM JMD

- Long-term experience of teaching in English
 - Teachers, courses
- **Reliable partners**
 - Complementary
 - Possibility to demonstrate earlier cooperation
 - Not necessarily teaching
 - Partners (and you!) are very good at something (near top in Europe)
 - Administratively capable
 - Responsive contact persons
- **Full support** from your university
 - Financial
 - Administrative
 - Trust in decision making
- Be prepared to **apply several times**

25.11.2016

ERASMUS+ Info Days Vilnius 2016

8

Writing process

- **Extremely complex** application
 - Both content-wise and technically
 - **Intensive work** should start at least **6 months before the deadline**
 - Team work, coordinator has to keep motivation of partners
 - Binding signatures from top level are needed
- Guidance materials have to be read carefully
- Every partner must have an **efficient** contact person
 - Preferably no professor/department head/dean...
- Find and convince associated partners
 - Signatures are needed
- Demonstrate relevance
 - References to studies, strategies, ...
- Usually „**the difficult path**“ should be chosen

25.11.2016

ERASMUS+ Info Days Vilnius 2016

9

Important assessment criteria (1)

- „**Objectives of Key Action 1**“
- **Top European level** in the given area
- **Relevance**
 - Innovativeness
 - Similar programs?
 - Supports development of Europe
- Consortium
 - Demonstrate that **mobility is important**
 - and a single university cannot offer the program
 - **Complementary** partners, **all contribute**, earlier collaboration
 - Administrative capacity, earlier projects
 - Strong leaders at partners

25.11.2016

ERASMUS+ Info Days Vilnius 2016

10

Important assessment criteria (2)

- **„Fully functional“** programme
 - No signs of last-minute changes
 - Good if already operational
 - Well-defined learning outcomes and how they are achieved
- **Employability**
 - Practical placement/internship
 - Involving industry
- **Sustainability**
 - Realistic „business plan“
 - Real financial contributions from participating universities and from industry
- Links to „big names“ in the field
 - But not artificial

Important assessment criteria (3)

- **Joint** operation, joint rules for admission, studies, theses, ...
- **Distribution of tasks** among partners
- Clear agreements and sets of rules
 - Detailed consortium agreement, study agreements with students, jointly developed and agreed rules about all aspects of studies
- **Support** to students
- Impact on internationalisation of partners
- Promotion/Dissemination

Operating an EM JMD

- **Administrative coordinator**
 - Excellent administrative capacity and communication skills
 - Knowledge and authority inside university
 - Preferably in a central unit, not department/institute
- **Activate** partners
- Do everything well **ahead of deadlines**
- Always have **plan B**

25.11.2016

ERASMUS+ Info Days Vilnius 2016

13

Influence on participating universities

- **Teaching of analytical chemistry** has got a strong impetus at all partners
- Increase of the **level of applicants**
- **Visibility** has increased
- **Administrative capacity** has improved at all partners
- **Collaboration** in other fields (incl with associated partners) has increased
- Huge experience with **managing international students/classrooms**

25.11.2016

ERASMUS+ Info Days Vilnius 2016

14



Thank you for your attention!

Ivo Leito
Tartu Ülikool
Ivo.leito@ut.ee

<http://www.analyticalchemistry.eu/>
<http://each.ut.ee/>

25.11.2016

ERASMUS+ Info Days Vilnius 2016

15