



MINISTERIO
DE EDUCACIÓN



SECRETARÍA GENERAL DE
UNIVERSIDADES
CONSEJO DE UNIVERSIDADES

En cumplimiento de lo dispuesto en el artículo 58 de la Ley 30/1992, de 26 de noviembre, de Régimen Jurídico de las Administraciones Públicas y del Procedimiento Administrativo Común, le notifico que el Consejo de Universidades, en el ejercicio de las competencias atribuidas por el artículo 25 del Real Decreto 861/2010, de 2 de julio, por el que se modifica el Real Decreto 1393/2007, de 29 de octubre, por el que se establece la ordenación de las enseñanzas universitarias oficiales, y el artículo 12.2.a) del Reglamento del Consejo de Universidades, ha dictado la siguiente resolución:

"Vista la solicitud presentada por la Universidad Autónoma de Madrid para la verificación del plan de estudios conducente al título oficial de Máster Universitario Erasmus Mundus en Química Teórica y Modelización Computacional, en la rama de conocimiento de Ciencias;

Una vez comprobado por el Ministerio de Educación la propuesta del plan de estudios aprobada por la Comisión Europea, el Convenio correspondiente del consorcio y la carta de notificación de haber obtenido el sello Erasmus Mundus, el Consejo de Universidades, en la sesión del día 8 de junio de 2011 de la Comisión de Verificación de Planes de Estudios,

HA RESUELTO

→ Verificar el plan de estudios correspondiente al título oficial de Máster Universitario Erasmus Mundus en Química Teórica y Modelización Computacional, por la Universidad Autónoma de Madrid, Katholieke Universiteit Leuven, Rijksuniversiteit Groningen, Universidade do Porto, Università Degli Studi di Perugia, Universidad de Valencia y la Université Paul Sabatier - Toulouse III.

Contra esta resolución, que no agota la vía administrativa, podrá interponerse reclamación ante la Presidencia del Consejo de Universidades, de acuerdo con lo dispuesto en el artículo 25.9 del Real Decreto 861/2010, de 2 de julio, por el que se modifica el Real Decreto 1393/2007, de 29 de octubre, por el que se establece la ordenación de las enseñanzas universitarias oficiales.

Madrid, 9 de junio de 2011
EL PRESIDENTE DEL CONSEJO DE UNIVERSIDADES
P.D. EL DIRECTOR GENERAL DE POLÍTICA UNIVERSITARIA

Juan José Moreno Navarro

RECTORADO DE LA UNIVERSIDAD AUTÓNOMA DE MADRID

C/ Ramírez Arellano, 29; 6.ª planta
28043 MADRID
TEL: 91 6037671/2 - 7898
FAX: 91 6037027



Universitat de València

Estudi General

València, 25 de juliol de 2012

S/Referència:

N/referència: Secretaria General/MJC 30924

Assumpte: comunicació acord Consell Govern.

Destinatari:

CAP SERVEI D'ESTUDIANTS

UNIVERSITAT DE VALÈNCIA

Us trasllade l'acord adoptat pel Consell de Govern de la Universitat de València, en sessió ordinària del dia 17 de juliol de 2012:

. Informe sobre memòria de verificació de màster.

ACGUV 164/2012

La qual cosa us comunique perquè prengueu coneixement del mateix als efectes que corresponga.



LA SECRETÀRIA GENERAL

Maria J. Añón

Signat: Maria José Añón Roig.



Universitat de València
Estudi General

MARÍA JOSÉ AÑÓN ROIG, SECRETÀRIA GENERAL DE LA UNIVERSITAT DE VALÈNCIA,

CERTIFIQUE: Que el Consell de Govern en sessió ordinària del 17 de juliol de 2012, va prendre l'acord següent:

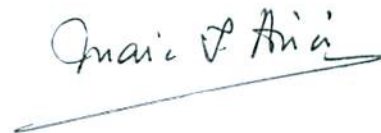
ACGUV 164/2012. "Aprovar memòria de verificació del màster universitari Erasmus Mundus en Química Teòrica i Modelització Computacional/Theoretical Chemistry and Computational Modelling per les universitats Autònoma de Madrid, Universitat de València, Universitat Paul Sabatier Toulouse III (França), Università degli Studi de Perugia (Itàlia), Universitat de Groningen (Holanda), Katolieke Universiteit de Leuven (Bèlgica), Universidade do Porto (Portugal), que s'adjunta com a annex. "

I perquè així conste i tinga els efectes que corresponga, signe i segelle aquest certificat, sense haver-se aprovat l'acta de la qual dimana.

Vist i plau
El Rector



Esteban Morcillo Sánchez



València, 18 de juliol de 2012.

Annex Consell de Govern 17.7.12
 Punt 12 ordre del dia.
 ACGUV 164/2012
 València, 19 Juliol 2012

LA SECRETÀRIA GENERAL

Identificador : 378589600



Mani V. Ac

IMPRESO SOLICITUD PARA VERIFICACIÓN DE TITULOS OFICIALES

1. DATOS DE LA UNIVERSIDAD, CENTRO Y TÍTULO QUE PRESENTA LA SOLICITUD

De conformidad con el Real Decreto 1393/2007, por el que se establece la ordenación de las Enseñanzas Universitarias Oficiales

UNIVERSIDAD SOLICITANTE	CENTRO	CÓDIGO CENTRO	
Universidad Autónoma de Madrid	Facultad de Ciencias (MADRID)	28027060	
NIVEL	DENOMINACIÓN ESPECÍFICA		
Máster	Master Erasmus Mundus en Theoretical Chemistry and Computational Modelling		
RAMA DE CONOCIMIENTO			
Ciencias			
CONJUNTO	CONVENIO		
Internacional	Convenio del Consorcio Europeo para el master antes indicado.		
UNIVERSIDADES PARTICIPANTES	CENTRO	CÓDIGO CENTRO	
Universitat de València (Estudi General)	Instituto Universitario de Ciencia Molecular (BURJASSOT)	46035291	
HABILITA PARA EL EJERCICIO DE PROFESIONES REGULADAS	NORMA HABILITACIÓN		
No			
NOMBRE Y APELLIDOS	CARGO		
Manuel Yáñez Montero	Catedrático de Química Física		
Tipo Documento	Número Documento		
NIF	33797199X		
NOMBRE Y APELLIDOS	CARGO		
María José Sarro Casillas	Adjunta al Rector para la Coordinación Académica		
Tipo Documento	Número Documento		
NIF	01393501T		
NOMBRE Y APELLIDOS	CARGO		
Isabel Castro Parga	Decana de la Facultad de Ciencias de la UAM		
Tipo Documento	Número Documento		
NIF	50308944D		
2. DIRECCIÓN A EFECTOS DE NOTIFICACIÓN			
A los efectos de la práctica de la NOTIFICACIÓN de todos los procedimientos relativos a la presente solicitud, las comunicaciones se dirigirán a la dirección que figure en el presente apartado.			
DIRECCIÓN	CÓDIGO POSTAL	MUNICIPIO	TELÉFONO
Ciudad Universitaria Cantoblanco. C/Einstein,1	28049	Madrid	676516631
EMAIL	PROVINCIA	CÓDIGO FAX	
vicerektorado.estudios@uam.es	Madrid	914973970	

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LA SECRETARIA GENERAL

Identificador : 378589600



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3. PROTECCIÓN DE DATOS PERSONALES

De acuerdo con lo previsto en la Ley Orgánica 5/1999 de 13 de diciembre, de Protección de Datos de Carácter Personal, se informa que los datos solicitados en este impreso son necesarios para la tramitación de la solicitud y podrán ser objeto de tratamiento automatizado. La responsabilidad del fichero automatizado corresponde al Consejo de Universidades. Los solicitantes, como cedentes de los datos podrán ejercer ante el Consejo de Universidades los derechos de información, acceso, rectificación y cancelación a los que se refiere el Título III de la citada Ley 5-1999, sin perjuicio de lo dispuesto en otra normativa que ampare los derechos como cedentes de los datos de carácter personal.

El solicitante declara conocer los términos de la convocatoria y se compromete a cumplir los requisitos de la misma, consintiendo expresamente la notificación por medios telemáticos a los efectos de lo dispuesto en el artículo 59 de la 30/1992, de 26 de noviembre, de Régimen Jurídico de las Administraciones Públicas y del Procedimiento Administrativo Común, en su versión dada por la Ley 4/1999 de 13 de enero.

	En: Madrid, a ___ de _____ de 2011
	Firma: Representante legal de la Universidad

Annex Consell de Govern 17.7.12
 punt 12 ordre del dia.
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 València, 19 Juliol 2012

LA SECRETÀRIA GENERAL

Maia J. Arin

Identificador : 378589600



1. DESCRIPCIÓN DEL TÍTULO

1.1. DATOS BÁSICOS

NIVEL	DENOMINACIÓN ESPECÍFICA	CONJUNTO	CONVENIO	CONV. ADJUNTO
Máster	Master Erasmus Mundus en Theoretical Chemistry and Computational Modelling	Internacional		Ver anexos. Apartado 1.
LISTADO DE ESPECIALIDADES				
Química Teórica y Computacional				
ERASMUS		NOMBRE DEL CONSORCIO INTERNACIONAL		
Si		130ITCCM - Euromaster on Theoretical Chemistry and Computational Modelling		
RAMA		ISCED1	ISCED2	
Ciencias		Química		
HABILITA PARA PROF. REG.		PROFESIÓN REGISTRADA		
No				
NORMA		AGENCIA EVALUADORA	UNIVERSIDAD SOLICITANTE	
			Universidad Autónoma de Madrid	
LISTADO DE UNIVERSIDADES				
CÓDIGO		UNIVERSIDAD		
023		Universidad Autónoma de Madrid		
018		Universitat de València (Estudi General)		
LISTADO DE UNIVERSIDADES EXTRANJERAS				
CÓDIGO		UNIVERSIDAD		
ORG00030156		UNIVERSITE PAUL SABATIER - TOULOUSE III (F TOULOUS03)		
ORG00044489		UNIVERSITÀ DEGLI STUDI DI PERUGIA (I PERUGIA01)		
ORG00029646		KATHOLIEKE UNIVERSITEIT LEUVEN (B LEUVEN01)		
ORG00030466		UNIVERSIDADE DO PORTO (P PORTO02)		
ORG00030405		RIJKSUNIVERSITEIT GRONINGEN (NL GRONING01)		
LISTADO DE INSTITUCIONES PARTICIPANTES				
No existen datos				

1.2. DISTRIBUCIÓN DE CRÉDITOS EN EL TÍTULO

CRÉDITOS TOTALES	CRÉDITOS DE FORMACIÓN BÁSICA	CRÉDITOS EN PRÁCTICAS EXTERNAS
120		0
CRÉDITOS OPTATIVOS	CRÉDITOS OBLIGATORIOS	CRÉDITOS DE TRABAJO FINANCIAL O MASTER
25	65	30
LISTADO DE ESPECIALIDADES		
ESPECIALIDAD	CRÉDITOS OPTATIVOS	
Química Teórica y Computacional	0.0	

1.3. Universidad Autónoma de Madrid

1.3.1. CENTROS EN LOS QUE SE IMPARTE

LISTADO DE CENTROS	
CÓDIGO	CENTRO



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Identificador : 378589600

28027060	Facultad de Ciencias (MADRID)
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1.3.2. Facultad de Ciencias (MADRID)

1.3.2.1. Datos asociados al centro

TIPOS DE ENSEÑANZA QUE SE IMPARTEN EN EL CENTRO		
PRESENCIAL	SEMI-PRESENCIAL	VIRTUAL
Si	No	No
PLAZAS DE NUEVO INGRESO OFERTADAS		
PRIMER AÑO IMPLANTACIÓN	SEGUNDO AÑO IMPLANTACIÓN	
40	40	
TIEMPO COMPLETO		
ECTS MATRÍCULA MÍNIMA		ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	60.0	60.0
RESTO DE AÑOS	60.0	60.0
TIEMPO PARCIAL		
ECTS MATRÍCULA MÍNIMA		ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	30.0	60.0
RESTO DE AÑOS	30.0	60.0
NORMAS DE HERMANENCIA		
http://www.emtccm.org		
LENGUAS EN LAS QUE SE IMPARTE		
CASTELLANO	CATALÁN	PUNTSERÀ
Si	No	No
VALLECO	VALENCIANO	INGLÉS
No	No	Si
FRANCÉS	ALEMÁN	PORTUGUÉS
No	No	No
ITALIANO	OTRAS	
No	No	

1.3. Universitat de València (Estudi General)

1.3.1. CENTROS EN LOS QUE SE IMPARTE

LISTADO DE CENTROS	
CÓDIGO	CENTRO
46035291	Instituto Universitario de Ciencia Molecular (BURJASSOT)

1.3.2. Instituto Universitario de Ciencia Molecular (BURJASSOT)

1.3.2.1. Datos asociados al centro

TIPOS DE ENSEÑANZA QUE SE IMPARTEN EN EL CENTRO		
PRESENCIAL	SEMI-PRESENCIAL	VIRTUAL
Si	No	No
PLAZAS DE NUEVO INGRESO OFERTADAS		
PRIMER AÑO IMPLANTACIÓN	SEGUNDO AÑO IMPLANTACIÓN	
40	40	
TIEMPO COMPLETO		
ECTS MATRÍCULA MÍNIMA		ECTS MATRÍCULA MÁXIMA

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València, 19 juliol 2012

LA SECRETÀRIA GENERAL

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PRIMER AÑO	60.0	60.0
RESTO DE AÑOS	60.0	60.0
	TIEMPO PARCIAL	
	ECTS MATRICULA MINIMA	
	ECTS MATRICULA MAXIMA	
PRIMER AÑO	30.0	60.0
RESTO DE AÑOS	30.0	60.0
NORMAS DE PERMANENCIA		
http://www.emtccm.org		
LENGUAS EN LAS QUE SE IMPARTEN		
CASTELLANO	CATALAN	EUSKERA
Si	No	No
GALLEGO	VALENCIANO	INGLES
No	No	Si
FRANCES	ALEMÁN	PORTUGUES
No	No	No
HAVIENDO	OTRAS	
No	No	



MJA

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2. JUSTIFICACIÓN, ADECUACIÓN DE LA PROPUESTA Y PROCEDIMIENTOS

Ver anexos, apartado 2.

3. COMPETENCIAS

31 COMPETENCIAS BÁSICAS Y GENERALES
BÁSICAS
CB6 - Poseer y comprender conocimientos que aporten una base u oportunidad de ser originales en el desarrollo y/o aplicación de ideas, a menudo en un contexto de investigación
CB7 - Que los estudiantes sepan aplicar los conocimientos adquiridos y su capacidad de resolución de problemas en entornos nuevos o poco conocidos dentro de contextos más amplios (o multidisciplinares) relacionados con su área de estudio
CB8 - Que los estudiantes sean capaces de integrar conocimientos y enfrentarse a la complejidad de formular juicios a partir de una información que, siendo incompleta o limitada, incluya reflexiones sobre las responsabilidades sociales y éticas vinculadas a la aplicación de sus conocimientos y juicios
CB9 - Que los estudiantes sepan comunicar sus conclusiones y los conocimientos y razones últimas que las sustentan, a públicos especializados y no especializados de un modo claro y sin ambigüedades
CB10 - Que los estudiantes posean las habilidades de aprendizaje que les permitan continuar estudiando de un modo que habrá de ser en gran medida autodirigido o autónomo.
GENERALES
CG12 - Ser capaz de utilizar los códigos informáticos más usuales en Química Computacional.
CG14 - Resolución de problemas fundamentales en Química Teórica
CG16 - Ser capaz de elaborar un proyecto de investigación en Química Teórica.
32 COMPETENCIAS TRANSVERSALES
CT1 - Ser capaz de hacer una búsqueda bibliográfica en las bases de datos habituales en Ciencias Experimentales.
CT2 - Capacidad de Exponer en forma escrita un trabajo previamente realizado
CT3 - Capacidad de exposición y defensa oral de un trabajo de investigación realizado por el.
CT4 - Capacidad de realizar un trabajo especializado en grupo.
33 COMPETENCIAS ESPECÍFICAS
CE1 - Hacer informes de trabajos de otros autores.

4. ACCESO Y ADMISIÓN DE ESTUDIANTES

41 SISTEMAS DE INFORMACIÓN PREVIO	
Ver anexos. Apartado 3.	
42 REQUISITOS DE ACCESO Y CRITERIOS DE ADMISIÓN	
Para acceder a este master es necesario ser licenciado o graduado en Física, Química, Ciencia de Materiales. Otras licenciaturas o grados científicos son también admisibles con la recomendación de realizar algún curso de nivelación; el número máximo de estos cursos será 2 de 5 créditos cada uno.	
43 APOYO A ESTUDIANTES	
44 SISTEMA DE TRANSFERENCIA Y RECONOCIMIENTO DE CRÉDITOS	
Reconocimiento de Créditos Cursos en Escuelas, Universidades y Centros de Investigación	
MÍNIMO	MÁXIMO
0	3
Reconocimiento de Créditos Cursos en Titulos Propios	
MÍNIMO	MÁXIMO
0	5

Annex Consell de Govern...17.7.12
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Adjuntar y incluir Propio	
Ver anexos. Apartado 4.	
Reconocimiento de Créditos Guardados por Acreditación de Experiencia Laboral y Profesional	
MÍNIMO	MÁXIMO
0	5
<p>En este Master los estudiantes realizan un curso intensivo internacional y en inglés en el segundo año del mismo que se realiza de forma rotatoria en cada una de las universidades del consorcio. Por ejemplo el curso 2011-2012 este curso se realizará en la Universidad de Valencia, en el curso 2012-2013 en Perugia etc. El número de créditos asignados a este curso intensivo mas el trabajo posterior realizado en cada Universidad es de 24 y es reconocido automaticamente por todas las universidades del consorcio de acuerdo con el acuerdo firmado por todas ellas, de igual manera los creditos correspondientes a la tesis de Master (30 créditos), para lo cual el estudiante realizará una estancia mínima de tres meses en un laboratorio de una universidad de un pais distinto a la que está matriculado.</p>	
ESTOY EN ELEMENTOS FORMATIVOS	

5. PLANIFICACIÓN DE LAS ENSEÑANZAS

51 DESCRIPCIÓN DEL PLAN DE ESTUDIOS
Ver anexos. Apartado 5.
52 ACTIVIDADES FORMATIVAS
No existen datos
53 METODOLOGÍAS DOCENTES
No existen datos
54 SISTEMAS DE EVALUACIÓN
No existen datos
55 ND/201
No existen elementos Nivel 1



Chet A

6. PERSONAL ACADÉMICO

6.1 PERSONAL ACADÉMICO

Ver anexos. Apartado 6.

6.2 OTROS RECURSOS HUMANOS

Ver anexos. Apartado 6.2

7. RECURSOS MATERIALES Y SERVICIOS

Justificación de que los medios materiales disponibles son adecuados: Ver anexos, apartado 7.

8. RESULTADOS PREVISTOS

8.1 ESTIMACIÓN DE VALORES CUANTITATIVOS

TASA DE GRADUACIÓN %	TASA DE ABANDONO %
TASA DE EFICIENCIA %	
TASA	VALOR %
No existen datos	

8.2 PROCEDIMIENTO GENERAL PARA VALORAR EL PROCESO Y LOS RESULTADOS

9. SISTEMA DE GARANTÍA DE CALIDAD

9.1 ENLACE

10. CALENDARIO DE IMPLANTACIÓN

10.1 CRONOGRAMA DE IMPLANTACIÓN

CURSO DE INICIO	2010-11
-----------------	---------

Ver anexos, apartado 10.

10.2 PROCEDIMIENTO DE ADAPTACIÓN

10.3 ENSEÑANZAS QUE SE EXTINGUEN

CÓDIGO	ESTUDIO	CENTRO
--------	---------	--------

11. PERSONAS ASOCIADAS A LA SOLICITUD

11.1 RESPONSABLE DEL TÍTULO

NIF	NOMBRE	PRIMER APELLIDO	SEGUNDO APELLIDO
50308944D	Isabel	Castro	Parga
DOMICILIO	CÓDIGO POSTAL	PROVINCIA	MUNICIPIO
Facultad de Ciencias. Tomas y Valiente 5	28049	Madrid	Madrid
EMAIL	MÓVIL	FAX	CARGO
decana.ciencias@uam.es	609420445	914974374	Decana de la Facultad de Ciencias de la UAM

11.2 REPRESENTANTE LEGAL

NIF	NOMBRE	PRIMER APELLIDO	SEGUNDO APELLIDO
01393501T	María José	Sarro	Casillas
DOMICILIO	CÓDIGO POSTAL	PROVINCIA	MUNICIPIO
Ciudad Universitaria Cantoblanco. C/Einstein,1	28049	Madrid	Madrid
EMAIL	MÓVIL	FAX	CARGO
vicerectorado.estudios@uam.es	676516631	914973970	Adjunta al Rector para la Coordinación Académica

Annex Consell de Govern 13.7.12
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LA SECRETÀRIA GENERAL

Olivia P. Ari

Identificador : 378589600



15 SOLICITANTE			
El responsable del título no es el solicitante			
NIF	NOMBRE	PRIMER APELLIDO	SEGUNDO APELLIDO
33797199X	Manuel	Yáñez	Montero
DOMICINIO	CODIGO POSTAL	PROVINCIA	MUNICIPIO
Departamento de Química. Modulo 13. Facultad de Ciencias	28049	Madrid	Madrid
EMAIL	MOVIL	FAX	CARGO
manuel.yanez@uam.es	669066251	914975238	Catedrático de Química Física



Identificador : 378589600

ANEXOS : APARTADO 1

Nombre : Consortium_agreement_final1.pdf

HASH SHA1 : tA9R1Zltdc6ct66F7XOpr+XWJaA=

Código CSV : 45687866670225801673085

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LA SECRETÀRIA GENERAL

Se incluye Consortium agreement en inglés firmado por las siete universidades y su traducción en español en un solo documento

Annex Consell de Govern...17.7.12
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LA SECRETÀRIA GENERAL

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Annex Consell de Govern...17.7.12

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LA SECRETÀRIA GENERAL



Education and Culture DG

ERASMUS MUNDUS



TCCM

**CONSORTIUM AGREEMENT and FINANCIAL FRAMEWORK
ERASMUS MUNDUS MASTERS COURSE
*Theoretical Chemistry and Computational Modelling***

The Universidad Autónoma de Madrid established in Carretera de Colmenar Viejo, km. 15.5, Catoblanco, 28049-Madrid (Spain), represented by José María Sanz, Rector , Coordinating Institution of the Consortium, of the one part,

and the University of Groningen established in Broerstraat 5, 9712 CP, Groningen (The Netherlands) represented by Professor Dr. S. Poppema, President,

and the Katholieke Universiteit Leuven, established in Oude Markt 13, B-3000 Leuven (Belgium) represented by Professor Mark Waer, Rector,

and the Università degli Studi di Perugia, established in Piazza Università 1, 06123 Perugia (Italy) represented by Professor Francesco Bistoni, Rector,

and the Universidade do Porto, established in Praça Gomes Teixeira, 4099-002- Porto (Portugal) represented by Professor Doutor José Carlos Marques dos Santos, Rector,

and the Université Paul Sabatier - Toulouse III, established in 118 route de Narbonne, 31062 Toulouse Cedex 9 (France), represented by Professor Gilles Fourtanier, President,

and the Universitat de València, established in Avenida Blasco Ibáñez, 13, 46010-Valencia (Spain) represented by Professor Francisco Tomás Vert, Rector,

recognized partner institutions of the consortium (the "Partners") of the other part

HAVE AGREED to the following terms and conditions, including those in the annexes which form an integral part of this *Consortium Agreement*.

Article 1 - Objective of the present Consortium Agreement

On the basis of the present Consortium Agreement the Partners shall together contribute to the achievement of the requirements of the Framework Partnership Agreement (Annexe 1), which corresponds to the implementation, management and quality assurance of the **Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling***.

Oliver J. An



Education and Culture DG

ERASMUS MUNDUS



TCCM

Article 2 - Entry into force and duration

§1. The Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling* comes into force on 2010 and five biennial editions will be offered by the Consortium (2010-2012 – 2011-2013 – 2012-2014 – 2013-2015 – 2014-2016 courses respectively).

§2. The present Consortium Agreement shall enter into force after its signature by all parts. It shall be valid as long as the Framework Partnership Agreement (Annexe 1) is active. It shall be renewable and modifiable by mutual agreement of the Partner institutions, and following any new proposal from the EACEA. All changes and modifications shall be done in writing and shall be signed by the authorised representatives of each Partner.

§3. Should a Partner want to leave the agreement before the end of the Framework Partnership Agreement, this Partner shall discuss this with the Consortium and shall follow the rules stipulated in the Framework Partnership Agreement (Annexe 1). This is not the case if the Partner should leave by force majeure.

Article 3 - Scope and definitions

§1. The Universidad Autónoma de Madrid is the Coordinating Institution of a Consortium of seven Universities that agreed to organize an Erasmus Mundus Masters Course (EMMC) named *Theoretical Chemistry and Computational Modelling (TCCM)*, approved and funded by the Education, Audiovisual & Culture Executive Agency (EACEA) of the Commission of the European Communities (CEC) under the Erasmus Mundus Framework programme.

§2. The TCCM Consortium is composed of seven European Partners: the Universidad Autónoma de Madrid (UAM, Spain), the University of Groningen (RUG, The Netherlands), the University of Leuven (KUL, Belgium), the University of Perugia (UNIPG, Italy), the University of Porto (UP, Portugal), the Paul Sabatier University of Toulouse (UPS, France) and The University of Valencia (UVEG, Spain). Specific non European partnership can be selected within the Action 3 of the Erasmus Mundus programme framework.

§3. The activities to be developed by the Consortium, and approved by the EACEA, are fully described in the Proposal (Annexe 1). Each Partner has approved its relative contribution to the realization of the described activities in compliance with the Erasmus Mundus programme rules and policies. Any divergence from this Proposal must be approved by all the Partners and, if necessary, must be validated by the EACEA.

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ACQUV... 164/2012

València, 19 juliol 2012

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§4. All the responsibilities related to the management of the grant allocated to the Consortium by the European Commission are formalized through a contract between the EACEA and the Coordinating Institution: the Framework Partnership Agreement (Annexe 1). Specific agreements for activities within Action 1A of Erasmus Mundus programme shall be further communicated to the Partners by the Coordinating Institution and shall be appended to this Framework Partnership Agreement.

§5. The present Consortium Agreement describes the financial rules, other than specified in §4, approved by the Partners and the Coordinating Institution and summarizes the responsibilities of each Partner within the programme.

§6. The Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling* will welcome European (EU) and Third-Country (TC) graduate students, following the Proposal (Annexe 1) and Action 1, 2 and 3 of Erasmus Mundus programme. These categories are defined by the EACEA as follows:

"Third-country graduate student means a national of a third country other than those from EEA-EFTA States and candidate countries for accession to the European Union; who has already obtained a first higher education degree; who is not a resident of any of the member States or the participating countries; who has not carried out his or her main activity (studies, work, etc.) for more than a total of 12 months over the last five years in any of the Member States or the participating countries; and who has been accepted to register or is registered in an Erasmus Mundus Masters Course."

"European graduate student means a national of a country from EEA-EFTA States and candidate countries for accession to the European Union; who has already obtained a first higher education degree; and who has been accepted to register or is registered in an Erasmus Mundus Masters Course."

Article 4 - Background

Article 4a) General objectives of Erasmus Mundus programme: Preamble of EACEA Framework

Partnership Agreement

§1. The Executive Agency Education, Audiovisual and Culture has received delegation of powers by the Commission of the European Communities with a view to performance of tasks linked to implementation of Community programmes in the fields of education, audiovisual and culture (Decision N° C/2005/365-2 of the Commission on 15/02/2005). The Executive Agency is responsible for implementing the actions 1, 2 and 3 of Erasmus Mundus programme ("the programme"). The decision establishing the programme was adopted by the European Parliament and Council on 5 December 2003 (Decision No 2317/2003/EC).

§2. For the purposes of implementing the programme, the Executive Agency selects consortia composed



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of higher education institutions and concludes with the coordinator of each consortium, a framework partnership agreement ("the framework agreement") that will entail specific grant agreements ("the specific agreement").

§3. The Executive Agency shares with the partner common general objectives and wishes to establish with it a relationship of lasting co-operation ("the partnership").

§4. The general objectives which it shares with the partner in the above-mentioned area of activity and which justify the establishment of a partnership are the following:

- to promote a quality offer in higher education with a distinct European added value, attractive both within the European Union and beyond its borders;
- to encourage and enable highly qualified graduates and scholars from all over the world to obtain qualifications and/or experience in the European Union;
- to develop more structured co-operation between European Union and third-country institutions and greater European Union outgoing mobility as part of European study programmes;
- to improve accessibility and enhance the profile and visibility of higher education in the European Union.

Article 4b) Summary of Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling*

§1. Objectives: to form specialists able to apply and develop new methods and computational codes, and to follow future doctoral studies in Chemistry, Physics, Life Sciences or Materials Science. They will be also able to develop professional activities as experts in molecular design in the pharmaceutical, petrochemical and new-materials industry, or in any company as computational experts.

§2. Consortium: The **Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling*** is an integrated Master Programme designed by seven Universities with a wide-range leadership in Theoretical and Computational Chemistry: The Universidad Autónoma de Madrid (UAM, Spain) (Co-ordinator), the University of Groningen (RUG, The Netherlands), the University of Leuven (KUL, Belgium), the University of Perugia (UNIPG, Italy), the University of Porto (UP, Portugal), the Paul Sabatier University of Toulouse (UPS, France) and The University of Valencia (UVEG, Spain).

§3. Contents: The duration of the programme is 2 years. The contents of the first year corresponds to a general background in theoretical chemistry (Mathematics, Molecular Quantum Mechanics and Statistical Mechanics, Programming and Numerical Methods, Basic Spectroscopy and in Basic Reaction Dynamics) that should provide the student with the necessary knowledge for the correct use of the tools required for



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the development of the Theoretical Chemistry, a sound knowledge of the fundamental postulates of Quantum Mechanics and its methodology, as well as of the fundamental aspects of Statistical Mechanics required to the study of molecular ensembles, condensed phase systems and reactivity questions. This will be complemented with semi-optional and elective courses, devoted to complement the training in different areas of chemistry, where the application of theoretical chemistry is useful or required. The second year includes a 4-week International Intensive Course and 10 weeks of tutorial related home work, including three compulsory courses on: a) Advanced Electronic Structure and Condensed Matter Theory, b) Molecular and Chemical Dynamics, c) Advanced Computational Techniques and Computer Modelling and Simulation, and a series of semi-optional courses, under whose aim is to illustrate the applications of the theoretical Chemistry and computational modelling to different fields, including chemistry, physics, biochemistry, material science, pharmacology, petrochemistry, astrochemistry, etc. This will be followed by a research work associated with the corresponding Master Thesis (36 ECTS) which will be developed in two different Institutions of the TCCM consortium.

§4. Organisation: The first year is organized locally, by each of the seven partner institutions. The teaching language will be that of the country of the partner institution (Spanish, French, Italian, Portuguese), with the exception of the Universities of Groningen and Leuven in which the teaching language will be English. The Intensive Course of the second year will be organized every year in a different country, on a rotary basis. The teaching language will be English. The research activity during this second year has to be carried out abroad, in an Institution of the Consortium (host) of a country different from that of the University in which the student is officially registered. For this purpose, each student will undertake a research project, under the supervision of his/her local Tutor, and in close collaboration with his/her tutor at the host Institution. The Master will end with the defence of a Master Thesis. The dissertation and the defense should be done compulsorily in two languages of the European Union.

§5. Degree-Awarding: The completion of the curriculum is rewarded by a joint/multiple Master Degree detailing both the interdisciplinary and specialized curriculum. The intention is to have a joint degree when legally accepted by all countries involved. A Diploma Supplement describing personal curriculum contents is also delivered.

§6. Application: The Masters Course is open to European and non European excellent students having acquired a BSc in Chemistry, Physics or Material Science, or any equivalent level if authorized by the legislation of the corresponding European Country. Other scientific bachelors can be accepted, provided the student takes complementary levelling courses, under the supervision of his/her local Tutor.



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Article 5 - Responsibilities

Article 5a) Coordinating Institution

§1. The Coordinating Institution has the financial responsibility of the programme.

§2. The TCCM Coordinator is the representative of the Coordinating Institution. He shall organize the collaboration between Partners in compliance with the Proposal (Annexe 1). He is the link between the EACEA and the Partners and shall look after the effective application of the Proposal.

§3. The Coordinating Institution will provide the EACEA with all the required reports on the project evolution and its financial management, according to the Framework Partnership Agreement (Annexe 1).

§4. The Coordinating Institution shall manage in particular the following activities:

- General coordination and initiation of TCCM programme activities in collaboration with the Partners.
- Coordination of the decision taking procedure.
- Creation of tools shared between the Partners (website, forms, guidelines ...).
- Payment of European grants to students and scholars involved in the TCCM programme.
- Receipt of tuition fees and distribution to Partner institutions.
- Partners' information regarding the number of students continuing their studies in each institution, and the academic data necessary for their registration at each Partner: Yearly, until December the 1st.
- Payments of invoices resulting from TCCM programme general activities (except for Partners' participation, Article 7 §4), even if occurring at a Partner institution, when the Consortium has agreed on the expenses, when the costs are eligible under the Coordinating Institution criteria, reasonable, and fitting with the current budgeting of the Consortium allocation.
- Students transportation (organization and payment) from country to country for compulsory mobilities.
- Complementary proposals and applications within the Erasmus Mundus programme (Action 2).
- Elaboration of reports (administrative and financial) to the Consortium for each session of the TCCM course.
- An insurance covering students during the duration of the entire TCCM programme including the minimum requirements for the health and accident insurance coverage of Erasmus Mundus Action 1 provided by the EACEA

Article 5b) Partners (including the Coordinating Institution)

§1. The Partners shall perform and complete their share of the TCCM Programme activities (Annexe 1) in accordance with the requirements set out in the Framework Partnership Agreement (Annexe 1). Each Partner shall carry out the work in such a way that no act or omission in relation thereto shall constitute, cause, or contribute to any breach or non-compliance by the Coordinating Institution or by other Partner of

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any of their respective obligations under the Framework Partnership Agreement.

§2. The Partners shall provide in due time the TCCM Coordinator with the information necessary to prepare the reports required by the EACEA (Annexe 1). The Partners shall be aware that the payment of the scholarships and of the funds allocated to each Partner are subjected to the timely submission of the financial reports by the Partners to the Coordinating Institution, then by the Coordinating Institution to the EACEA. The payments of the EACEA are pre-financings: instalments account for 70% of the financing (Annexe 1). Further payment is made only when 70% of the pre-financing have been spent, and within 90 days from the submission of the financial report, if approved by the EACEA (Annexe 1).

§3. When submitting invoices resulting from activities as in Article 5a §4 to the Coordinating Institution, the Partners shall meet the financial and administrative requirements of the latter.

§4. Each Partner shall organize and realize the TCCM programme activities in its own institution, and specifically:

- The realization and promotion of TCCM academic programme.
- The management of the funds distributed by the Coordinating Institution: The financial administration of each Partner shall guarantee the correct use of the funding for the correct purpose in compliance with Annexe 2.
- Regarding the students and scholars visiting its institution, prior and during their stays:
 - Visa request: Each Partner shall help to obtain the documents required by its national immigration policy, by providing all the explanations and documents helpful for the applicants.
 - Supervision of students' and scholars' status regarding national immigration policy during their stay.
 - Academic admission and registration.
 - Student services (social and medical care, specific services for international students)
 - Housing services: assistance in finding accommodation and contractual issues.
 - If needed, assistance in students transportation within the country of the hosting Partner (e.g., airport/university) for compulsory mobilities.

§5. For each Partner, a Partner Coordinator, named in the Proposal (Annexe 1), shall organize and coordinate with his/her collaborator(s) the activities and the organisation of TCCM programme in the Partner institution. He/she is the link between Partner institution and the TCCM Coordinator.

§6. The Partners are further assigned specific tasks (Annexe 1), that they shall manage and supervise in compliance with the Consortium decisions:

- **Universidad Autónoma de Madrid:** Financial management of Consortium funds (payments, reports), Communication tools (documents for promotion and presentation, website)
- **University of Groningen:** Quality assurance (assessment forms, reports, external quality assurance);

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Certification of the TCCM join degree, when legally approved by each country.

– Università degli Studi di Perugia: Coordination of TCCM e-learning platform

Article 6 - Decision taking

§1. The Consortium shall adopt decisions regarding:

- The tasks described in Article 5 §6,
- The management of the TCCM programme,
- The modifications of the programme,
- The modification of the criteria for student selection,
 - Proposals for changes to the Proposal (Annexe 1) to be agreed by the EACEA.
 - Students and scholars selection processes

§2. Decisions shall be taken during meetings, video-conferences, or by mean of email, mail, or telefax consultation.

§3. All seven Partners shall be consulted and vote for decisions taking. Due to the nature of the consultation means, all Partners shall acknowledge receipt of the question submitted to them by the Coordinating Institution within four calendar days, and submit their vote to the Coordinating Institution within seven calendar days. Should a Partner usual representative fail to acknowledge receipt or fail to be reached within four calendar days, the Coordinating Institution shall immediately make every effort to contact a substitute of the representative to vote within seven calendar days. If unable to take a decision by himself/herself, the latter shall resort to §5 of this Article. Should the Coordinating Institution fail to contact a substitute, the decision shall be postponed for seven calendar days. If the same Partner fails again to be reached, the decision shall be voted with a minimum of four Partners. The Partners shall commit themselves not to block a decision by deliberately by not acknowledging receipt. Questions shall not be submitted to vote during legal holidays. Decisions regarding the activities of one Partner in particular shall not be voted in its absence.

§4. Each Partner shall have one vote. Decisions shall be taken by a majority of three-quarters (3/4) of the votes, or lower in case of absence or of abstention of a Partner. Should the Partners fail to reach the majority (2 votes against 2, or 1 against 1), the Partner representing the Coordinating Institution shall have an extra vote to settle the discussion.

§5. A Partner shall request to delay the vote by fifteen calendar days to consult with its institution or to produce documents that may affect the decision.

§6. Since a decision engages the Partner's institution, the voting Partner representative shall take every precaution to ensure his/her decision is in agreement with his/her collaborators, institution practices, and



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legal obligations.

§7. A Partner which can demonstrate that a decision goes against its administrative procedures or against the Framework Partnership Agreement (Annexe 1) shall exercise a veto with respect to the corresponding decision or relevant part of the decision. Its demonstration shall be supported by legal documents. In case of exercise of veto, the Partners shall make every effort to resolve the matter which occasioned the veto to the general satisfaction of all.

§8. On request from a Partner, formal notice, consent or approval shall be given to confirm a decision taking. Such notices shall be signed by an authorised representative of each Partner and shall either be served personally or sent by mail with recorded delivery or telefax with receipt acknowledgement.

Article 7 - Funding distribution and use

§1. The EACEA, acting under powers delegated by the CEC, is funding the Consortium yearly. The funds, referenced in the Framework Partnership Agreement (Annexe 1), are paid to the Coordinating Institution, and can be summarized as follows:

- **Consortium allocation:** Annual flat rate of 30,000 € (thirty thousand Euros) within the Action 1 of the Erasmus Mundus programme, to cover internal expenses of the Consortium.
- **Grants:** studentships and scholarships of the Erasmus Mundus programme, to distribute to students and scholars effectively involved in the TCCM mobility programme.

§2. Each year the Consortium is presented a budget for the next academic year and annually the final balance will have to be approved by the Consortium.

§3. The students involved in the TCCM programme pay tuition fees. The annual rate of the latter is determined for the students starting the academic year 2010/2011, i.e. 3.500 € for TC as well as for European Students (See Annexe 2). This tuition fee may be updated along the duration of the consortium.

§4. The tuition fees shall be paid to the Coordinating Institution following the scheme attached in Annexe 2. The latter shall be updated yearly, in order to specify the exact financial scheme according to the number of students in each category, enrolled in successive TCCM classes.

§5. The whole tuition fees shall be transferred to all the Partners, by the Coordinating Institution, following the timetable given in Annexe 2 and should be administrated by each Partner in order to cover expenses resulting from registration, teaching, and research project associated with the TCCM programme activities.

§6. Should an enrolled student fail to participate to part or the totality the TCCM programme and he/she is not replaced by another student, the Coordinating Institution shall have to return part or the totality of the grant to the EACEA. If clearly required by EACEA, the Partners shall renounce to the funds due, and/or shall return the corresponding funds to the Coordinating Institution, including those corresponding to



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Registration if the enrolled student never came to the Partner institution.

§7. The subsidies of the tuition fees received by the Coordinating Institution together with the Consortium allocation (§1) shall cover for expenses resulting from the organization and the logistic of the TCCM programme as follows:

- Students transportation as in Article 5a §4.
- Common and shared expenses concerning the Consortium, e.g. as in Article 5b §6, or the organisation of TCCM meetings and events, except for the Partners' participation through their Provision for Logistic (§4) unless they demonstrate the latter is insufficient, and following the approval of the Consortium.
- Other expenses if approved by the Consortium and the Coordinating Institution.

Article 8 - Liability

§1. Each Partner shall be solely liable toward the other Partners and toward third parties for loss, destruction, damage or injury resulting from its own actions in the execution of this Consortium Agreement. Notwithstanding the foregoing, a Partners' aggregate liability shall be limited to once the Partner's share of the total cost of the project, provided such damage was not caused by a wilful act or gross negligence.

§2. Each Partner shall be solely liable toward the Coordinating Institution for any breach or non-compliance as described in Article 5b of the present Consortium Agreement. If the Coordinating Institution has to pay any damages or penalties to the EACEA for such breach or non-compliance by a Partner, the Coordinating Institution shall be entitled to full reimbursement from the said Partner.

§3. Each Partner shall be fully responsible for the performance of any part of its share of the Consortium Agreement and for the requirements of Insurance and Social Security for its personnel, involved herein.

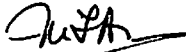
Article 9 - Applicable law and Competent Court

§1. This Consortium Agreement shall in all respect be in compliance with the terms of the related Framework Partnership Agreement and Specific Agreements (Annexe 1) and be governed by Belgian law. The settlement of any difference or conflict arising from or in connection with this Consortium Agreement shall be attempted by an amicable effort from the Partners. Only the Courts of Brussels are competent to decide on the disputes, which remain unresolved.

§2. The TCCM student is bound to the rules and regulations from the Institutes / institutions at which she/he is enrolled.

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Article 10 - Banking information

§1. The Coordinating Institution shall transfer the funds to the following bank accounts:

- The University of Groningen: The 0474567206 bank account of ABN Amro with the IBAN NL45ABNo474567206 (BIC/SWIFT code: ABN ANL 2A)
- The University of Leuven: The 432-000011-57 bank account of KBC – Interleuvenlaan 15C, 3000 Heverlee with the IBAN BE09 4320 0000 1157 (BIC/SWIFT code: KREDBEBB).
- The University of Perugia: The 00203016000029407189 bank account of UNICREDIT BANCA DI ROMA with the IBAN IT 90Q0300203016000029407189 (BIC/SWIFT code: BROMITR1J11).
- The University of Porto: The 0206001402030_PROPINAS bank account of Caixa Geral de Depósitos with the IBAN PT05 035 0206 000 1402 03067 (BIC/SWIFT code: CGDIPTPL).
- The University of Toulouse: The 1007131000000100132788 bank account of TP Toulouse with the IBAN FR76 1007 1310 0000 0132 788 (BIC/SWIFT code: BDFEFRPP).
- The University of Valencia: The 2077 0735 8931 0015 9143 bank account of BANCAJA, PINTOR SOROLLA, 8 46002 VALENCIA with the IBAN ES77 2077 0735 8931 0015 9143 (BIC/SWIFT code: CVALESVXXX).

Article 11 - Annexes

The following annexes are part of the present Agreement:

Annexe 1. Framework Partnership Agreement (FPA 2010-0147 / 001): contracted between the EACEA and the Coordinating Institution for activities under Erasmus Mundus Actions 1 and 2, and other bilateral agreements related to Erasmus Mundus Action 3 (one for each partnership selected).

Specific agreements are appended, especially: "European Master on Theoretical Chemistry and Computational Modelling" (Ref. 159680-1-2009-1-ES-ERASMUS MUNDUS-EMMC), the Proposal as selected by the European Commission on 15 July, 2009. The latter document describes exhaustively the activities within TCCM programme. Annexes and supplements are appended by EACEA for specific actions and partnerships.

Annexe 2. Financial table for each TCCM courses, presenting the details of incomes and costs and the timetable for the funding distribution by the Coordinating Institution to the Partners.

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Signatures and Stamps

For the Universidad Autónoma de Madrid

Date, March 10, 2010

José M. Sanz



Stamp and Signature of legal representative: Prof. José María Sanz, Rector

Other agreements of persons implicated in the programme:

Coordinator: Prof. Manuel Yáñez

Signature:

Manuel Yáñez

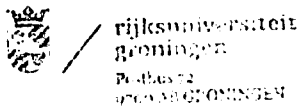
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ACCVV. 164/2012
València, 19. Juliol 2012

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Signatures and Stamps

For the University of Groningen

Date, 09/03/2010

Stamp and Signature of legal representative:

A handwritten signature in black ink, appearing to be "S. Poppema", written over a horizontal line.

A small, circular stamp or mark, possibly a date or official seal, located to the left of the signature line.

Prof. dr. S. Poppema
President of the
University of Groningen

Other agreements of persons implicated in the programme:

Local Representative: Prof. Ria Broer

Signature:

A large, stylized handwritten signature in black ink, written over a horizontal line.

Annex Consell de Govern 17.7.12

Part 1.2 ordre del dia.

Ref: 164/2012

Valencia 19 juliol 2012

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Signatures and Stamps

For the Katholieke Universiteit Leuven

Date, 09/03/2012

Stamp and Signature of legal representative:

[Handwritten signature]

M. Waer

Prof. dr Mark Waer
Rector K.U. Leuven

Other agreements of persons implicated in the programme:

Local Representative: Prof. Amout Ceulemans

Signature:

[Handwritten signature]

Annex Consell de Govern 17.4.12

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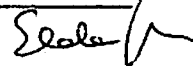
For the Università degli Studi di Perugia

Date, - 9 MAR. 2010

IL DELEGATO DEL RETTORE
PER IL SETTORE DELL'INTERNAZIONALIZZAZIONE
Prof.ssa Edda Cimini

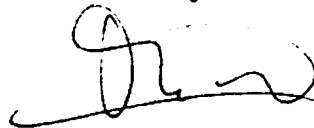
Stamp and Signature of legal representative:





Other agreements of persons implicated in the programme:

Local Representative: Prof. Antonio Loganà



Signature:

Annex Council de Govern. 17.7.12

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València, 19 Juliol 2012

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Maria J. Ramos




Signatures and Stamps

For the Universidade do Porto

Date, 8/3/2010

Stamp and Signature of legal representative:

J. C. Ramos 

Other agreements of persons implicated in the programme:

Local Representative: Prof. Maria Joao Ramos

Signature:

Maria Joao Ramos

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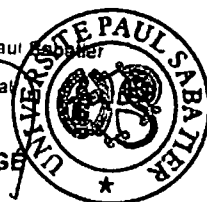


Signatures and Stamps

For the Université Paul Sabatier - Toulouse III

Date, 10-3-2012

Le Président de Université Paul Sabatier
Par Délégation
Le Secrétaire Général
Stamp and Signature of legal representative: _____
Jean-Pierre ROUGE



Other agreements of persons implicated in the programme:

Local Representative: Prof. Colin Marsden

Signature: *C. J. Marsden*

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Man: J. A.



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DE VALÈNCIA

Signatures and Stamps

For the Universitat de Valencia

Date, March 10th, 2010

A handwritten signature in black ink, appearing to read "F. Tomás Vert".



Stamp and Signature of legal representative: Professor Francisco Tomás Vert, Rector

Other agreements of persons implicated in the programme:

Local Representative: Prof. Ignacio Nebot

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Signature:



Annexe 2

The TCCM Consortium Committee has decided to set the current common registration fee for both third country and European students to 3.500 € for the academic year 2010-2011.

Those fees cover all the academic, management, marketing and university coordination expenses.

Registration fees will be paid to the Consortium Coordinator, irrespective of the study destination.

The Consortium Coordinating Institution will distribute the tuition fees to the different partner Institutions according to the number of students assigned to each of them by the Selection Committee. Due to the disparity of the official tuition fees regulated by the different national administrations, the International Committee of our Master decided to set the common tuition fee at 3500 € for both third country and European students. When the student is registered in an Institution with lower official tuition fees, the remaining amount of money is administrated by the EM Consortium, through its International Committee, to offer financial help to students with special needs, or to pay the extra charge if the student is enrolled at the University of Groningen, whose tuition fee for third country students is much larger than 3500 €, and to the maximum tuition fee covered by the EACEA.

The transfer of the tuition fee will take place at the beginning of the 2010-2011 academic year.

Each Partner University will administrate this fee to cover the registration, teaching, and research project for each student.

The Coordinating Institution will organize and pay the insurance of all students of the Master, administrating the funds received for this purpose from the EACEA. In this way it will be warranted that the insurance covering will be identical for all students in the Master, independently of their destination. The insurance policy will be subscribe with AON company with a global cost of ca. 500 € per student and year.

At present the Coordinating Institution does not use bank transfer to pay employees or granters, whose monthly allowance are paid by a payroll system which does not allow to make transfers to accounts outside the country. The administrative staff is working, at present, to solve this problem. Hence, if the procedure is put to work before September 2010, the Coordinating Institution will transfer 1000 € every month, to the bank account opened by each of the students with Erasmus Mundus Scholarships registered in any of the seven partner Institutions of the Consortium. If the payment procedure is not ready by September 2010, then, at least initially, the Coordinating Institution will transfer, every three months and starting in September 2010, 3000 €/student to the partner Institutions to cover the monthly allowance of each student for three months. Each partner Institution will transfer 1000 € every month, to the bank account opened by each of the students with Erasmus Mundus Scholarships registered in the Institution.

Mari V. A.

Traducción del Consortium Agreement and Financial Framework Erasmus Mundus Masters Course (Artículos 1 a 11 + Anexo 2)

Artículo 1: objetivos del presente Consortium Agreement

Según el presente Consortium Agreement, los socios deben juntos contribuir al logro de los requisitos del Framework Partnership Agreement (Anexo 1), que corresponde a la implementación, gestión y garantía de calidad del Erasmus Mundus Master Course *Theoretical Chemistry and Computacional Modeling*.

Artículo 2: Entrada en vigor y duración

§1. El Erasmus Mundus Master Course *Theoretical Chemistry and Computacional Modeling* entra en vigor en 2010 y 5 ediciones bienales serán ofrecidas por el Consortium (2010-2012 – 2011-2013 – 2012-2014 – 2013-2015 – 2014-2016).

§2. El presente Consortium Agreement deberá entrar en vigor después de la firma de todas las partes (los socios). Deberá ser valido durante todo el periodo que esté activo el *Framework Partnership Agreement* (Anexo 1). Deberá ser renovado y modificado después de un acuerdo común de todas las partes, y siguiendo cualquiera nueva proposición del EACEA. Todo cambio y/o modificación deberá ser escrito y firmado por el representante legal de cada parte (socio).

§3. Si una parte (un socio) quiere dejar el *agreement* antes el final del *Framework Partnership Agreement*, deberá discutirlo con el Consortium y seguir las reglas estipuladas dentro del *Framwork Partnership Agreement* (Anexo 1). No será así si la parte (el socio) deja el Agreement por caso de fuerza mayor.

Artículo 3: Alcance y definición

§1. La Universidad Autónoma de Madrid es el socio coordinador de un consorcio de siete universidades (socios) que están todas de acuerdo en organizar el Erasmus Mundus Masters Course (EMMC) llamado *Theoretical Chemistry and Computational Modeling* (TCCM), aprobado y financiado por la Education, Audiovisual & Culture Executive Agency (EACEA) de la Commission of the European Communities (CEC) bajo el programa Erasmus Mundus Framework.

§2. El consorcio TCCM está compuesto por siete socios/partes europeo/as: la Universidad Autónoma de Madrid (UAM, España), la Universidad de Groningen (RUG, Holanda), la Universidad de Leuven (KUL, Bélgica), la Universidad de Perugia (UNIPG, Italia), la Universidad de Porto (UP, Portugal), la Universidad Paul Sabatier de Toulouse (UPS, Francia) y la Universidad de Valencia (UEVG, España). Socios específicos no europeos pueden ser seleccionados dentro del "Action 3" del marco del Erasmus Mundus programme.

§3. Las actividades a desarrollar por el consorcio, y aprobadas por la EACA, están descritas en detalle en el *Proposal* (Anexo 1). Cada socio ha aprobado su contribución relativa a la realización de las actividades descritas en conformidad con las reglas y políticas del *Erasmus Mundus Programme*. Cualquier divergencia de esta propuesta debe ser aprobada por todos los socios y si fuera necesario debe ser validado por la EACEA.

§4. Todas las responsabilidades relacionadas con la gestión de subvenciones asignadas al consorcio por la *European Commission* están formalizadas a través de un contrato entre la EACEA y la institución coordinadora: el *Framework Partnership Agreement* (Anexo 1). Acuerdos específicos para actividades dentro de la "Action 1A" del *Erasmus Mundus programme* deberán además ser comunicados a los socios por la institución coordinadora y deberán ser agregados al *Framework Partnership Agreement*.

§5. El presente *Consortium Agreement* describe las reglas financieras, otras que las especificadas en §4, aprobadas por los socios y la institución coordinadora y resume las responsabilidades de cada socio dentro del programa.

§6. El *Erasmus Mundus Masters Course Theoretical Chemistry and computational Modeling* va a acoger estudiantes licenciados europeos (EU) y de terceros países (TC), siguiendo el *Proposal* (Anexo 1) y "Action 1, 2 y 3" del *Erasmus Mundus programme*. Estas categorías son definidas por la EACEA como sigue:

"Estudiante licenciado de terceros países significa un ciudadano de un país tercero diferente de los estados EEA-EFTA y países candidatos para la adhesión a la Unión Europea; que ha obtenido un "first higher education degree"; que no es residente de ninguno de los estados miembros o de países participantes; que no ha llevado a cabo su actividad principal (estudios, trabajo, etc.) por más de un total de doce meses en los últimos cinco años en cualquiera de los estados miembros o de los países participantes; y que ha sido aceptado para registrarse o está registrado en un *Erasmus Mundus Masters Course*."

"Estudiante licenciado Europeo quiere decir un ciudadano de un país de los estados EEA-EFTA y países candidatos para la adhesión a la Unión Europea; que ha obtenido un first higher education degree; y que ha sido aceptado para registrarse o está registrado en un *Erasmus Mundus Masters Course*."

Artículo 4: Antecedentes

Art. 4a) Objetivos generales del Erasmus Mundus programme: Preámbulo del EACEA Framework Partnership Agreement

§1. La *Education, Audiovisual & Culture Executive Agency* (EACEA) ha recibido delegación de poderes por la *Commission of the European Communities* con el objetivo de cumplir tareas ligadas a la implementación de los programas de la comunidad en las áreas de educación, audiovisual y cultura (Decisión No C/2005/365-2 de la comisión del 15/02/2005). La agencia ejecutiva es responsable de implementar las acciones 1, 2 y 3 del *Erasmus Mundus programme* ("the programme"). La decisión estableciendo el programa fue adoptada por el parlamento y el consejo europeo el 5 de diciembre 2003 (Decisión No 2317/2003/EC).

§2. Para los propósitos de implementar el programa, la agencia ejecutiva selecciona un *consortia* compuesto de instituciones de educación superior y concluye con el coordinador de cada

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consorcio, un *framework partnership agreement* ("the framework agreement") que va a implicar acuerdos específicos de subvención ("the specific agreement").

§3. La agencia ejecutiva comparte con el socio objetivos comunes generales y desea establecer con él una relación de cooperación duradera ("the partnership").

§4. Los objetivos generales que la agencia ejecutiva comparte con el socio, en el área de actividades mencionada antes, y que justifique el establecimiento de la cooperación son los siguientes:

- Promover una oportunidad de calidad en la enseñanza superior con un valor añadido de distinción europea, atractiva tanto dentro de la unión europea como más allá de sus fronteras.
- Animar y permitir a estudiantes y licenciados altamente cualificados de todo el mundo obtener calificaciones y experiencia en la Unión Europea.
- Desarrollar más cooperaciones estructuradas entre la unión europea e instituciones de terceros países y movilidad saliente de la Unión Europea como parte de los programas de estudio europeos.
- Mejorar la accesibilidad y realzar el perfil y la visibilidad de la educación superior en la Unión Europea.

Art. 4b) Resumen de Erasmus Mundus Masters Course Theoretical Chemistry and Computational Modeling

§1. Objetivos: formar especialistas capaces de aplicar y desarrollar nuevos métodos y códigos computacionales, y seguir futuros estudios doctorales en Química, Física, Ciencias de la Vida y Ciencias de Materiales. Serán capaces también de desarrollar actividades profesionales como expertos en diseño molecular en las industrias farmacéutica, petroquímica y de nuevos materiales, o en cualquier empresa como experto computacional.

§2. Consorcio: *El Erasmus Mundus Masters Course Theoretical Chemistry and Computational Modeling* es un programa de master integrado diseñado por siete universidades con una gran variedad en liderazgo de Química Teórica y Computacional: la Universidad Autónoma de Madrid (UAM, España) (Coordinadora), la Universidad de Groningen (RUG, Holanda), la Universidad de Leuven (KUL, Bélgica), la Universidad de Perugia (UNIP, Italia), la Universidad de Porto (UP, Portugal), la Universidad Paul Sabatier de Toulouse (UPS, Francia) y la Universidad de Valencia (UVEG, España).

§3. Contenidos: La duración del programa es de dos años. Los contenidos del primer año corresponden a una formación general en Química Teórica (Matemáticas, Mecánica Cuántica Molecular, Métodos Numéricos y de Programación, Espectroscopia Básica y Dinámica de Reacción Básica) que debe aportar al estudiante los conocimientos necesarios para el correcto uso de las herramientas requeridas para el desarrollo de la Química Teórica, un conocimiento profundo de los postulados fundamentales de la Mecánica Cuántica y su metodología, así como de los aspectos fundamentales de la Mecánica Estadística requeridos para el estudio de conjuntos moleculares, sistemas en fase condensada y cuestiones de reactividad. Esto será complementado con cursos semi-optativos u optativos, dedicados a complementar la formación en diferentes áreas de Química, donde la aplicación de la Química Teórica es útil o necesaria. El segundo año incluye un curso intensivo internacional de 4 semanas y 10 semanas de trabajos tutorados, incluyendo 3 cursos obligatorios en: a) Estructura Electrónica Avanzada y Teoría de la Materia Condensada, b) Dinámica Molecular y Química, c) Técnicas Computacionales

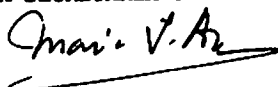
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Avanzadas y Simulación y Modelado Computacional, y una serie de cursos semi-optativos, que tienen por objetivo ilustrar las aplicaciones de la Química Teórica y el Modelado Computacional en diferentes campos, incluyendo Química, Física, Bioquímica, Ciencia de Materiales, Farmacología, Petroquímica, Astroquímica, etc. Esto va a estar seguido por un trabajo de investigación asociado con la correspondiente Tesis de Master (36 ECTS) que será desarrollada en dos instituciones diferentes del consorcio TCCM.

§4. Organización: el primer año está organizado localmente por cada uno de los siete socios. El idioma de enseñanza será el del país socio (español, francés, italiano y portugués), con la excepción de las Universidades de Groningen y Leuven en las cuales el idioma de enseñanza será el inglés. Los cursos intensivos del segundo año serán organizados cada año en un país diferente, en rotación. El idioma de enseñanza será el inglés. La actividad de investigación durante el segundo año deberá ser llevada a cabo en el extranjero, en una de las instituciones del consorcio (*host*) de un país diferente de la Universidad en la que el estudiante está matriculado oficialmente. Para este propósito, cada estudiante emprenderá un proyecto de investigación, bajo la supervisión de su tutor local, y en estrecha colaboración con su tutor de la institución de acogida (*host*). El Master se termina con la defensa de una tesis de master. La disertación y defensa deben ser hechas obligatoriamente en dos idiomas de la Unión Europea.

§5. Grado obtenido: la finalización del programa de estudios es recompensada con el grado de Master destacando tanto la interdisciplinariedad como la especialización del programa. La intención es tener un grado conjunto legalmente aceptado por todos los países involucrados. Un "Diploma Supplement" describiendo los contenidos personales del programa es también entregado.

§6. Solicitud: El curso de Master está abierto a estudiantes excelentes europeos y no europeos que hayan obtenido una licenciatura/grado (BSc) en Química, Física o Ciencia de Materiales, o cualquier nivel equivalente si está autorizado por la legislación y el correspondiente país europeo. Otras licenciaturas científicas pueden ser aceptadas, siempre que el estudiante siga cursos de nivelación complementarios, bajo la supervisión de su tutor local.

Artículo 5: Responsabilidades

Art. 5a) Institución coordinadora

§1. La institución coordinadora tiene la responsabilidad financiera del programa.

§2. El coordinador del TCCM es el representante de la Institución Coordinadora. Debe organizar la colaboración entre socios en conformidad con el Proposal (Anexo 1). Es la conexión entre la EACEA y los socios y debe asegurar la aplicación efectiva del Proposal.

§3. La Institución Coordinadora va a proporcionar a la EACEA todos los informes requeridos sobre la evolución del proyecto y su gestión financiera, según el Framework Partnership Agreement (Anexo 1).

§4. La Institución Coordinadora debe gestionar en particular las actividades siguientes:

- Coordinación general e iniciación de las actividades del programa TCCM en colaboración con los socios.
- Coordinación de las decisiones de procedimiento

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- Creación de herramientas compartidas entre los socios (página web, formularios, directrices...).
- Pago de subvenciones europeas a estudiantes y becarios involucrados en el programa TCCM.
- Recibir las matrículas y distribuirlas a los socios.
- Información de los socios respecto al número de estudiantes siguiendo sus estudios en cada institución, y los datos académicos necesarios para sus matrículas en cada socio: anualmente, hasta el 1º de diciembre.
- Pagos de las facturas resultantes de las actividades generales del programa TCCM (excepto para los socios participantes, art.7 – §4), incluso las de una institución del socio, cuando el consorcio ha dado su acuerdo sobre los gastos, cuando los costes son elegibles sobre los criterios de la Institución Coordinadora, razonables, y se ajustan con el presupuesto actual de la asignación del Consorcio.
- Los desplazamientos de los estudiantes (organización y pago) de un país al otro para las movilidades obligatorias.
- Propositiones y aplicaciones complementarias dentro del Erasmus Mundus Programme (Action 2).
- Elaboración de informes (administrativos y financieros) para el consorcio para cada sesión de los cursos TCCM.
- Un seguro cubriendo a los estudiantes a lo largo de toda la duración del programa TCCM incluyendo los requisitos mínimos de cobertura de salud y seguro de accidentes del *Erasmus Mundus Action 1* provisto por la EACEA.

Art. 5b) Socios (incluyendo la institución coordinadora)

§1. Los socios deberán realizar y completar sus partes de las actividades del programa TCCM (Anexo 1), de conformidad con los requisitos establecidos en el Framework Partnership Agreement (Anexo 1). Cada socio debe llevar a cabo el trabajo de tal manera que ningún acto u omisión en relación con el mismo constituirá, provocará o contribuirá a cualquier violación o incumplimiento por parte de la institución coordinadora o por otros socios de cualquiera de sus respectivas obligaciones en virtud del Framework Partnership Agreement.

§2. Los socios deberán proporcionar a tiempo al Coordinador del TCCM la información necesaria para preparar los informes requeridos por la EACEA (Anexo 1). Los socios deberán tener en cuenta que el pago de las becas y de los fondos asignados a cada socio está sujeto a la presentación oportuna de los informes financieros por los socios a la Institución Coordinadora, luego, por la Institución Coordinadora al EACEA. Los pagos de la EACEA, son pre-financiados: cuenta de cuotas para 70% de la financiación (Anexo 1). Otros pagos se hacen solamente cuando el 70% de la pre-financiación se ha gastado, y un plazo de 90 días a partir de la presentación del informe financiero, si es aprobado por la EACEA (Anexo 1).

§3. Al presentar las facturas resultantes de las actividades como explicado en el artículo 5a § 4 a la Institución Coordinadora, los socios deberán cumplir los requisitos financieros y administrativos de la última.

§4. Cada socio deberá organizar y realizar las actividades del programa TCCM en su propia institución, y más concretamente:

- La realización y la promoción del programa académico del TCCM.

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- La gestión de los fondos distribuidos por la Institución Coordinadora: La administración financiera de cada socio deberá garantizar el uso correcto de los fondos para el destino correcto de acuerdo con el Anexo 2.
- En cuanto a los estudiantes y becarios visitantes de su institución, antes y durante su estancia:
 - solicitud de Visa: cada socio deberá ayudar a obtener los documentos requeridos por su política de inmigración nacional, ofreciendo todas las explicaciones y documentos útiles para los aspirantes.
 - Supervisión del estado de los estudiantes y de los becarios respecto a la política nacional de inmigración durante su estancia.
 - Admisión y matriculación académica.
 - Servicios al estudiante (asistencia social y médica, servicios específicos para los estudiantes internacionales).
 - Servicios de alojamiento: asistencia para encontrar un alojamiento y temas contractuales.
 - Si es necesario, la asistencia en el transporte de los estudiantes en el país del socio acogedor (por ejemplo aeropuerto/universidad) para movilidades obligatorias.

§5. Para cada socio, un socio coordinador, nombrado en el *Proposal* (Anexo 1), organizará y coordinará con sus colaboradores las actividades y la organización del programa TCCM en la institución asociada. Él / ella es el vínculo entre la Institución asociada y el Coordinador TCCM.

§6. Los socios son igualmente asignados a tareas específicas (anexo 1), que administrarán y supervisarán en conformidad con las decisiones del Consorcio:

- **Universidad Autónoma de Madrid:** gestión financiera de los fondos del Consorcio (pagos, informes), herramientas de comunicación (documentos para la promoción y presentación, pagina web).
- **University of Groningen:** control de calidad (formularios de evaluación, informes, control de calidad externo); certificación del grado conjunto TCCM, cuando esté aprobado legalmente por cada país.
- **Università degli Studi di Perugia:** Coordinación de la plataforma e-learning del TCCM.

Artículo 6: La toma de decisiones

§1. El consorcio deberá tomar decisiones sobre:

- Las tareas descritas en el artículo 5 §6,
- La gestión del programa TCCM,
- Las modificaciones del programa,
- Las modificaciones de los criterios para seleccionar un estudiante,
- Proposiciones para cambiar el *Proposal* (anexo 1) que deben ser aceptadas por la EACEA.
- Procesos de selección de estudiantes y becarios.

§2. Las decisiones se tomarán durante reuniones, videoconferencias, o por medio de consulta por correo electrónico, correo, o fax.

§3. Los siete socios deberán ser consultados y votarán la toma de decisiones. Debido a la naturaleza del medio de consulta, todos los socios deberán acusar recibo de la pregunta que se les entrega por la Institución Coordinadora dentro de cuatro días naturales, y presentar su voto a la Institución Coordinadora dentro de siete días naturales. En caso de que el representante habitual del socio no acuse recibo o que no se pueda contactar en un plazo de cuatro días

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naturales, la Institución Coordinadora debe inmediatamente hacer todo lo posible para contactar un sustituto del representante para que éste vote dentro de los siete días naturales. Si no puede tomar una decisión por sí mismo, éste (el sustituto podrá recurrir al §5 del presente artículo. Si la Institución Coordinadora no consigue contactar un sustituto, la decisión se retrasará siete días naturales. Si el mismo socio no puede ser localizado de nuevo, la decisión se someterá a votación con un mínimo de cuatro socios. Los socios deben comprometerse a no bloquear una decisión deliberadamente no acusando recibo. Las preguntas no se someterán a votación durante los días festivos legales. Las decisiones relativas a las actividades de un socio en particular, no se someterán a votación en su ausencia.

§4. Cada socio tendrá un voto. Las decisiones se adoptarán por mayoría de tres cuartos (3/4) de los votos, o menor en caso de ausencia o abstención de un socio. En caso de que los socios no lleguen a la mayoría (2 votos contra 2, o 1 contra 1), el socio representante de la Institución Coordinadora tendrá un voto adicional para resolver la discusión.

§5. Un socio deberá pedir un aplazamiento de la votación de quince días naturales para consultar con su institución o para producir documentos que puedan afectar a la decisión.

§6. Puesto que una decisión involucra la institución del Socio, el representante de del Socio que vota deberá tomar todas las precauciones para asegurar que su decisión está de acuerdo con sus colaboradores, prácticas de la institución, y las obligaciones legales.

§7. Un socio que puede demostrar que la decisión va en contra de sus procedimientos administrativos o en contra del Framework Partnership Agreement (Anexo 1) ejercerá un derecho de veto con respecto a la decisión o la parte pertinente de la decisión. Su demostración se justificará al medio de documentos legales. En caso de ejercicio de un derecho de veto, los socios deberán hacer todo lo posible para resolver los problemas que ocasionó el veto para la satisfacción general de todos.

§8. A petición de un socio, un aviso formal, consentimiento o aprobación habrá de darse para confirmar una toma de decisión. Tales avisos serán firmados por un representante autorizado de cada socio y se notificarán también personalmente o por envío de correo con acuse de recibo o fax con acuse de recibo.

Artículo 7: Distribución y uso de la financiación

§1. La EACEA, actuando bajo los poderes otorgados por la CEC, financia al Consorcio cada año. La subvención, a la que se hace referencia en el Framework Partnership Agreement (anexo 1), se abona a la Institución Coordinadora, y puede desglosarse como sigue:

- **Asignación para el Consorcio:** Dentro de la Acción 1 del programa Erasmus Mundus, se asigna una cantidad fija de 30000 € (treinta mil euros) para cubrir los gastos internos del Consorcio y otros gastos asignables bajo la Acción 3 (partenariado no Europeo).
- **Becas:** Becas del programa Erasmus Mundus para estudiantes y académicos dentro de las Acciones 2 y 3 (cuando sea aplicable), para distribuir las entre estudiantes y académicos que estén realmente involucrados en el programa de movilidad TCCM.

§2. Cada año, el consorcio presenta un presupuesto para el próximo año académico, y anualmente el balance final tendrá que ser aprobado por el consorcio.

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§3. Los estudiantes involucrados en el programa TCCM pagan gastos de matrícula. La tasa anual de este último se determina para los estudiantes empezando a partir del año académico 2010/2011, es decir, 3500 € para los TC como así como para estudiantes europeos (Anexo 2). Esta matrícula se puede actualizar a lo largo de la duración del consorcio.

§4. Las tasas académicas deberán ser pagadas a la Institución Coordinadora según el esquema incluido en el Anexo 2. Este último deberá ser actualizado cada año, para especificar el esquema financiero exacto de acuerdo con el número de estudiantes de cada categoría, matriculados en las sucesivas clases TCCM.

§5. La Institución Coordinadora deberá transferir el importe completo de las tasas académicas a todas las Instituciones Asociadas, siguiendo el calendario incluido en el Anexo 2; estas tasas deberán ser administradas por cada Institución Asociada para cubrir los gastos derivados del registro, enseñanza y proyectos de investigación asociados con las actividades del programa TCCM.

§6. En caso de que un estudiante inscrito no participara en una parte o en la totalidad del programa TCCM y él/ella no pueda ser reemplazado por otro estudiante, la Institución Coordinadora deberá devolver parte o la totalidad de la beca a la EACEA. En caso de que la EACEA lo requiera, las Instituciones Asociadas renunciarán a los fondos debidos y/o devolverán la financiación que corresponda a la Institución Coordinadora, incluyendo aquellos correspondientes a la matrícula, en caso de que el estudiante nunca llegara a aparecer en la Institución Asociada.

§7. La subvención por tasas académicas percibida por la Institución Coordinadora, junto con la asignación para el consorcio (§1) cubrirá los gastos ocasionados por la organización y la logística del programa TCCM según lo siguiente:

- El transporte de estudiantes, como se indica en el Artículo 5a §4.
- Gastos comunes y compartidos relacionados con el Consorcio, como por ejemplo, los mencionados en el Artículo 5b §6, o la organización de reuniones y eventos TCCM, a excepción de la participación de los socios cubierta a través de su Provisión destinada a Logística (§4) a no ser que demuestren que ésta última es insuficiente, y se acompañe del consentimiento del Consorcio.
- Otros gastos, siempre que sean aprobados por el Consorcio y la Institución Coordinadora.

Artículo 8: Responsabilidades

§1. Cada Socio será el único responsable frente a los demás socios y frente a terceros por pérdida, destrucción, daño o perjuicio derivado de sus propias acciones en la ejecución de este Acuerdo de Consorcio. No obstante lo anterior, la responsabilidad colectiva de uno de los socios se limitará a la parte que el Socio comprarte sobre el coste total del proyecto, siempre y cuando el daño no fue causado por un acto intencional o negligencia grave.

§2. Cada Socio será el único responsable hacia la Institución Coordinadora en caso de violación o incumplimiento de lo indicado en el artículo 5b del presente Acuerdo de Consorcio. Si la institución coordinadora tiene que pagar por daños y perjuicios o sanciones a la EACEA por tal violación o incumplimiento de uno de los socios, la Institución Coordinadora tendrá derecho al reembolso total de dicho socio.

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§3. Cada Socio será totalmente responsable de la ejecución de las partes relacionada con su participación en el Acuerdo de Consorcio, y de los requisitos sobre Seguros y Seguridad Social del personal involucrado.

Artículo 9: Ley Aplicable y Tribunal Competente

§1. Este acuerdo de consorcio deberá estar, en todos los sentidos, en acuerdo con los términos recogidos en el Acuerdo Marco de Asociación y sus Acuerdos Específicos (Anexo 1) y se regirá por la ley Belga. La solución de cualquier diferencia o conflicto que surja de o en relación con este Acuerdo de Consorcio se tratará de resolver de forma amistosa entre los Socios. Los Tribunales de Bruselas serán los únicos competentes para decidir sobre aquellos conflictos que no puedan resolverse de forma amistosa.

§2. Los estudiantes TCCM estarán vinculados a las normativas y reglamentos de los Institutos / Instituciones en que se matriculen.

Artículo 10: Información Bancaria

§1. La Institución Coordinadora transferirá los fondos a las siguientes cuentas bancarias:

- Universidad de Groningen: La cuenta bancaria número 0474567206 del banco ABN Amro con IBAN NL45ABNo474567206 (Código BIC/SWIFT: ABN ANL 2A).
- Universidad de Leuven: La cuenta bancaria número 432-0000011-57 del banco KBC – Interleuvenlaan 15C, 3000 Heverlee con IBAN BE09 4320 0000 1157 (Código BIC/SWIFT: KREDBEBB).
- Universidad de Perugia: La cuenta bancaria número 00203016000029407189 bank del banco UNICREDIT BANCA DI ROMA con IBAN IT 90Q0300203016000029407189 (Código BIC/SWIFT: BROMITR1J11).
- Universidad de Porto: La cuenta bancaria número 0206001402030_PROPINAS del banco Caixa Geral de Depósitos con IBAN PT05 035 0206 000 1402 03067 (Código BIC/SWIFT: CGDIPTPL).
- Universidad de Toulouse: La cuenta bancaria número 10071310000000100132788 de banco TP Toulouse con IBAN FR76 1007 1310 0000 0132 788 (Código BIC/SWIFT: BDFEFRPP).
- Universidad de Valencia: La cuenta bancaria número 2077 0735 8931 0015 9143 del banco BANCAJA, PINTOR SOROLLA, 8 - 46002 VALENCIA con IBAN ES77 2077 0735 8931 0015 9143 (Código BIC/SWIFT: CVALESVVXXX).

Artículo 11: Anexos

Los siguientes anexos son parte del presente acuerdo:

Anexo 1: Framework Partnership Agreement (FR 2010-0147/001) acordado entre la EACEA y la Institución Coordinadora sobre actividades dentro del programa Erasmus Mundus Acciones 1 y 2, y otros acuerdos bilaterales relacionados con la Acción 3 del programa Erasmus Mundus (uno para cada socio elegido).

Se añaden acuerdos específicos, en especial: "European Master on Theoretical Chemistry and Computational Modelling" (Ref. 159680-1-2009-1-ES-ERASMUS MUNDUS-EMMC) la propuesta tal y como fue seleccionada por la Comisión Europea el 15 de Julio de 2009. Este último documento describe de forma exhaustiva las actividades que componen el programa TCCM. La EACEA añade anexos y suplementos para acciones y socios específicos.

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Quari. J. Ari

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Anexo 2: Tabla financiera para cada uno de los cursos TCCM, incluyendo detalle de los ingresos y gastos y el calendario de distribución de fondos desde la Institución Coordinadora hacia sus socios.

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ANEXO 2

El comité del consorcio del TCCM ha decidido fijar la tasa común actual de inscripción para estudiantes de terceros países y europeos en 3.500 € para el año académico 2010-2011.

La tasa de inscripción incluye todos los gastos académicos, de gestión, de comercialización y de Coordinación Universitaria.

La tasa de inscripción se abonará al coordinador del Consorcio, con independencia del destino de estudios.

La Institución Coordinadora del consorcio distribuirá la cuota de inscripción a cada institución del socio diferente en función del número de estudiantes asignados a cada uno de ellos por el Comité de Selección.

Debido a la disparidad de las tasas de matrícula oficial regulado por las distintas administraciones nacionales, el Comité Internacional de nuestro Master decidió establecer el precio del curso común en 3500 € para los estudiantes de terceros países y europeos. Cuando los estudiantes está matriculados en una institución con menor matrícula oficial, la cantidad restante del dinero es administrada por el consorcio EM, a través de su Comité Internacional, para ofrecer ayuda financiera a los estudiantes con necesidades especiales, o para pagar el coste adicional si el estudiante se matriculó en la Universidad de Groningen, cuya tasa de matrícula de los estudiantes de terceros países es mucho mayor de 3500 €, y la matrícula máxima cubierta por la EACEA.

La transferencia de la matrícula se llevará a cabo a principios del año académico 2010-2011.

Cada socio administrará esta cuota para cubrir la inscripción (matrícula), la enseñanza y el proyecto de investigación de cada estudiante.

La Institución Coordinadora organizará y pagará el seguro de todos los estudiantes del Master, administrando los fondos recibidos a tal efecto de la EACEA. De esta manera, se garantizará que la cobertura del seguro será idéntica para todos los estudiantes del Master, independientemente de su destino. La póliza de seguro se suscribe con la compañía AON, con un coste global de ca. 500 € por estudiante y año.

En la actualidad la Institución Coordinadora no utiliza la transferencia bancaria para pagar a los empleados o becarios, cuya asignación mensual se paga por un sistema de nómina que no permite hacer transferencias a cuentas fuera del país. El personal administrativo está trabajando, en la actualidad, para resolver este problema. Por lo tanto, si el procedimiento se pone en marcha antes de septiembre de 2010, la Institución Coordinadora transferirá 1000 € cada mes, a la cuenta bancaria abierta por cada uno de los estudiantes con becas Erasmus Mundus matriculados en alguna de las siete instituciones socio del Consorcio. Si el procedimiento de pago no está listo para septiembre de 2010, entonces, al menos inicialmente, la Institución Coordinadora transferirá, cada tres meses y empezando a partir de septiembre de 2010, 3000 € alumno/a a las instituciones-socio para cubrir el cupo mensual de cada estudiante por tres meses. Cada Institución-socio transferirá 1000 € cada mes, a la cuenta bancaria abierta por cada uno de los estudiantes con becas Erasmus Mundus matriculados en la Institución.

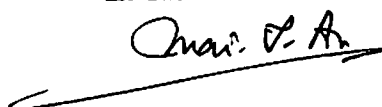
Annex Consell de Govern... 17.7.12

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Identificador : 378589600

ANEXOS : APARTADO 1.2

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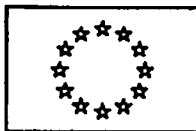
Annex Consell de Govern... 1.2.12

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Education, Audiovisual and Culture Executive Agency

Erasmus Mundus and External Cooperation

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Mani V. An

UNIVERSIDAD AUTONOMA DE MADRID
Prof. Dr. José María SANZ
C/Einstein, 1 Cantoblanco
ES - 28049 MADRID
España

Brussels, 15 07 2009
EACEA/P4/JF/cg/ D(2009) 303765
2009/EM Selection

Subject: Erasmus Mundus Action 1 – Joint Masters Course
Title: Euromaster on Theoretical Chemistry and Computational Modelling
Reference: 159680-1-2009-1-ES-ERA MUNDUS-EMMC
(Please quote this number in all correspondence)

Dear Prof. Dr. José María SANZ,

You have submitted a proposal in the framework of the 2009 Erasmus Mundus Call for Proposals (EAC/04/09) for the Action mentioned above.

I am pleased to inform you that your above-mentioned proposal has been selected.

The corresponding framework partnership agreement and other relevant information will be sent to you by separate mail.

All proposals were assessed with the assistance of independent academic experts. Enclosed you will find for your information a summary of the experts' assessments of your proposal.

We will publish a description of your Masters course on the Erasmus Mundus website. For this purpose you will shortly receive an e-mail including an electronic template for your consortium to complete.

For the preparation of the five-year Framework Partnership Agreement, you will need to complete a "Legal Entity" form (http://ec.europa.eu/budget/execution/legal_entities_en.htm) and a "Financial Identification" (http://ec.europa.eu/budget/execution/fliers_en.htm) form that you will find in the above-mentioned web pages. The original copy of these documents, duly signed by your institution's legal representative, should be returned to the Agency by 15 September.

Finally, we are pleased to inform you that we will shortly be organizing our annual Erasmus Mundus Conference that will bring together all the Erasmus Mundus coordinators and a number of their partners. This will take place in Brussels on 21 (afternoon), 22 and 23 October. We invite you to block these dates in your diary and we will provide you with further information during the summer.

Should you require any further information, please contact Corinne Lévêque, Programme Manager: Tel: +32/2/296.37.47 - corinne.leveque@ec.europa.eu or José Gutierrez, Deputy Head of Unit, Tel: +32/2/296.78.09 jose.gutierrez@ec.europa.eu.

Yours faithfully,

J. Fronia

Joachim Fronia
Head of Unit

Annexes: - Comments and recommendations from the two independent experts who have assessed your proposal

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Am J. Fronia

Man. Y. A.



Joint Masters Course Evaluation Report

Proposal number:	159680-EM-1-2009-1-ES-ERA MUNDUS-EMMC
Proposal title:	Euromaster on Theoretical Chemistry and Computational Modelling
Coordinator:	Prof. Dr. Manuel YÁÑEZ
Applicant organisation:	UNIVERSIDAD AUTONOMA DE MADRID

Award Criteria	
A.1	Course content (25% of the max. score)
<p>The needs analysis emphasises the successful operation of the established master course since 2006, its award of excellence from the European Chemistry Thematic Network in 2007, its success in attracting 30% third country students, and the increased demand by third country students who cannot find funding.</p> <p>The current state of the art is mentioned in very general terms. The need of this course is a request from the educational market following the increased interest of young people, mainly from outside Europe.</p> <p>The objectives are highly supportive of ERASMUS aims, and emphasise a European standard for research-oriented studies in Theoretical Chemistry and Computational modelling which is a discipline area that has become critical to success in medical and petrochemical industries. Added value is provided by the collaboration of seven key institutions working in this area, and the structure of the programme which mandates that students are exposed to several of them during the course of studies. Excellent academic quality is evident along with a very promising structure of the EMMC including an important added value of the third-country organisations to the EMMC objectives and content. High academic quality is indicated in the proposal from the well developed and operational course structure, the presence of leading experts in the field as teachers and mentors, and the flexibility of the course in supporting student specialisation while being in an environment where ideas and experience can be exchanged between specialisms. The academic quality is also confirmed by the recognition by ECTN.</p> <p>Learning outcomes are appropriately aligned to the diverse needs of the research and industrial communities of interest addressed by the themes of the course.</p> <p>The joint programme interaction is well designed and ensures exposure to laboratories of various institutions, but the benefit for work placements or exposure to industry and other research groups outside of the consortium is not well addressed.</p>	
A.2	Course integration (25% of the max. score)
<p>The jointly developed curriculum is already operational and successful from 2006, and so integration appears proven to a high degree, although this is not fully emphasised in the relevant section of the proposal (2.1). The curriculum is fully recognised by the 7 partners who have already conferred degrees on this basis. It is not clear if this course is updated and what procedure will be used to accept the updates.</p> <p>Only 6 partners award joint degree and no measures are presented by the Groningen University. The graduates receive a Joint EM Master Degree in Theoretical Chemistry and Computational Modelling, and this is recognised by the partner institutions who will, on the basis of this degree, accept masters graduates to their PhD programmes.</p> <p>The ECTS mechanism is fully deployed and the Annexe II of the proposal describes each module in detail, including its credit value.</p> <p>To assist transferability and mobility, a joint (single model) diploma supplement is issued to graduates and is detailed in full in the appendix to the proposal. Some clarification is needed on the examination procedure and on the copyrights of the codes produced by the students.</p> <p>Application, selection and admission are suitably organised as a common approach, however the proposal does not sufficiently illustrate a standard approach to examination apart from the common</p>	

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<p>credit assignment scheme. Cross checking and assurance of common perception of standards in performance are not really sufficiently addressed.</p> <p>Fees are determined locally, with the highest nonetheless being moderate and within the Erasmus range. No additional fee is set for third country students in Spain, and other partners fix the third country level as being the same as Spain (very moderate for third country students at 3500 Euro). This makes the course very affordable and very accessible for third country students. Distribution among partner institutions is not fully clarified, and appears to be on the basis of local fee charges. The model for contribution to coordination costs is not presented and should be clarified.</p>
<p>A.3 Course Management, visibility and sustainability measures (20% of the max. score)</p>
<p>Cooperation is through the established International Committee which has a track record of operation. In this section of the proposal (3.1) no other cooperation functions are described (e.g. external steering board). However, an external advisory committee is described in 5.1/5.2 and seems appropriate. More clarification on the feed-back system and on the participation of external actors to the supervision boards is needed.</p> <p>The management of the scholarship scheme is suitably defined in terms of award of scholarships and payments to institutions. However, payments to students are not addressed and should be a matter of concern for Erasmus scholarships.</p> <p>Although the course is successfully operational, the part of the proposal (3.3) addressing human, financial and other types of support is not sufficiently detailed. Assignment of tutors, mentors and appropriate teaching staff are quite clearly presented in this and other parts of the proposal, however the administrative aspects of the proposed Erasmus cooperation are not sufficiently clear.</p> <p>The course is already well promoted and attracts larger numbers of third country applicants than can be accommodated or funded. In addition, a web site, brochure, and attendance at promotional events are already completed and further envisaged.</p> <p>Sustainability is apparently assumed on the basis of current success, and the Erasmus period is targeted towards attracting further scholars. No timeline for implementation is provided. The proposal does not yet fully elaborate a cost-based or activity-based sustainability plan in addition to the positive indications presented.</p> <p>Complementary funding includes partial scholarships for students in special need, plus subsidy for accommodation and living costs. The proposal does not indicate any plans to engage other external funding.</p>
<p>A.4 Students' services and Facilities (15% of the max. score)</p>
<p>The proposal states that each institution has an International office supporting scholars regarding housing, welfare, language, coaching and counselling. However, the proposal does not provide sufficient detail, instead pointing to several web sites. For this reason an average mark is applied on the assumption they are typical of other universities. This should be clarified.</p> <p>The availability of insurance in each country is described and appears reasonable, but there is a lack of detail on the specific cover and no programme wide arrangement is envisaged.</p> <p>The language policy is very positive and not only encourages language learning but includes a mandatory unit in local language learning.</p> <p>The Student Agreement is outlined as a description of the key items and conditions, and seems appropriate at this level of description, but no pro-forma of the agreement is provided. A draft of such an agreement would add valuable information.</p> <p>Networking in professional circles is primarily via the European Chemistry Thematic Network (ECTN) and conferences, and among students via the Alumni association. No special provisions are described concerning support for settlement at the University, development of appropriate contacts, or other strategies for integrating foreign students.</p>
<p>A.5 Quality Assurance and evaluation (15% of the max. score)</p>
<p>The internal evaluation is very well specified and comprises student surveys, measures of success beyond the course (PhD's, entry to research companies or institutions, and publication of theses), and attainment levels within the course. The International Committee and External Advisory Committee are organised to collect these data and conduct analyses to support QA reporting. This reporting is used to define and necessary measures. It is recommended to use experts and specialists from industrial companies in order to have an opinion from practice besides that of national, international or</p>

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professional bodies.

External evaluation relies on National QA of course as per normal requirements, and a special Advisory Committee is also established including representative from related research institutions. This group are tasked with evaluating the (peer review).

The existing course attracts more women than men and so there is no gender imbalance. Nonetheless the partners proposed to increase the number of women teachers, and to find measures to better support the representation of women in the industry. More concrete measure should be taken by the EMMC consortium to ensure a balanced gender so that both men and women are well represented. Inclusion of people with special needs is well addressed.

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Maia V. A.

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ANEXOS : APARTADO 5

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Annex Consell de Govern. 17.7.12

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Cara-V.A.

Master Erasmus Mundus en “ Theoretical Chemistry and Computational Modeling”. Este master surge de un master interuniversitario español que ha sido acreditado en España con las universidades Autónoma de Madrid, Cantabria, Extremadura, Islas Baleares, Jaime I, Murcia, Oviedo, Santiago de Compostela, Valencia, Valladolid y Vigo con verificación positiva con documento de salida nº 2818 del Consejo de Universidades, S.G. de Coordinación Universitaria de 30 de septiembre de 2010.

Actuando como coordinadora la UAM y con la Universidad de Valencia, la Universidad Paul Sabatier Toulouse III (Francia), Università degli Studi de Perugia (Italia) Universidad de Groningen (Holanda), Katolieke Universiteit de Leuven (Belgica), Universidade do Porto (Portugal), Hemos hecho un consorcio para solicitar ser Erasmus Mundus y se nos ha concedido con el Convenio Marco 2010-0147 que hemos incluido. Este master ha empezado siendo doctorado de Calidad y luego Master piloto en las diferentes comunidades autónomas. Ha sido aprobado por todas ellas.

Además ha sido el primer Master en Química que ha conseguido el EuroLabel de la European Chemistry Thematic Network Association (ECTNA). Finalmente hemos conseguido el Erasmus Mundus.

Por lo que respecta al plan de estudios hay que decir que es un master con un total de 120 ECTS, por lo tanto 2 años.

El plan de estudios se adjunta en la siguiente Tabla:

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ESTRUCTURA PROPUESTA			
ASIGNATURA	CURSO	TIPO	ECTS
Módulo 1. Nivelación (máximo 10 ECTS)			
Cuso de Nivelación en Química	1	OP/OB	5.0
Curso de Nivelación en Física	1	OP/OB	5.0
Curso de Nivelación en Matemáticas	1	OP/OB	5.0
Módulo 2. Fundamentos (15 ECTS)			
Curso de Lengua Europea	1	OB	5.0
Fundamentos Matemáticos de la Química Teórica	1	OB	5.0
Métodos de la Química Cuántica y la Mecánica estadística	1	OB	10.0
Módulo 3. Técnicas (6 ECTS)			
Técnicas Computacionales y Cálculo Numérico	1	OB	6.0
Módulo 4. Aplicaciones (9 ECTS)			
Simetría en átomos, moléculas y sólidos y Mecánica Cuántica	1	OB	9.0
Módulo 5. Optatividad (entre 15 y 25 ECTS)			
Dinámica ¹	1	OP	5.0
Estados Excitados ¹	1	OP	5.0
Métodos Avanzados de la Química Cuántica ¹	1	OP	5.0
Sólidos ¹	1	OP	5.0
Modelización de procesos de interés en Química de la Atmósfera y Astroquímica ²	1	OP	5.0
Teoría del Caos: Fundamentos y aplicaciones ²	1	OP	5.0
Efectos relativistas y potenciales efectivos de Core ²	1	OP	5.0
Ionización y disociación por pulsos láser ultracortos ²	1	OP	5.0
Formación en Unix y Unix de gestión ²	1	OP	5.0
Módulo 6. Aspectos avanzados (15 ECTS)			
Teoría Avanzada de la Estructura Electrónica y de la Materia Condensada	2	OB	9.0
Técnicas Computacionales Avanzadas	2	OB	6.0
Módulo 7. Modelización avanzada y aplicaciones (15 ECTS)			
Dinámica Química y Molecular y Simulación y Modelización por Ordenador	2	OB	9.0
Aplicaciones ³	2	OB	6.0
Módulo 8. Tesis de Master (30 ECTS)			
Trabajo de Iniciación a la Investigación (Tesis de Master)	2	OB	30.0

Hay que indicar que la movilidad requerida por la EACEA en Bruselas se consigue ya que los estudiantes realizan un curso intensivo en una de las universidades del consorcio al comienzo del segundo curso y hay una segunda estancia en una universidad del consorcio de un país distinto al que está el estudiante realizando su master, para la realización de una parte de su investigación de la Tesis de Master. Esta estancia es como mínimo de tres meses.

En dicha Tesis el comité de evaluación estará formado por tres profesores de los cuales al menos 1 será de una universidad del consorcio extranjera. Además la presentación y defensa se hará en dos idiomas diferentes de la Unión Europea.

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Quar. J. R.



Identificador : 378589600

ANEXOS : APARTADO 10

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Annex Consell de Govern...18.7.12
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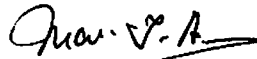
Cronograma de Implantación.

El master ha sido implantado como ERASMUS MUNDUS en el curso 2010-2011. Por lo tanto y dado que es un master de dos años la primera promoción terminará en junio de 2012.

El acuerdo firmado con la EACEA y la UAM implica un número mínimo de 5 ediciones, lo cual supone que la última promoción finalizará sus estudios en junio de 2016. Por supuesto solicitaremos la renovación a la EACEA.

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Identificador : 378589600

ANEXOS : APARTADO 11

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El artículo 20 de la Ley Orgánica 6/2001, de 21 de diciembre, de Universidades, parcialmente modificada por la Ley Orgánica 4/2007, de 12 de abril, atribuye al Rector la representación de la Universidad. Atribución que en el ámbito de la Universidad Autónoma de Madrid es reiterada y completada por el artículo 40 de sus Estatutos, aprobados por Decreto 94/2009, de 5 de noviembre. El artículo 42 del citado texto estatutario contempla las funciones de los Delegados del Rector, nombrados para el ejercicio de funciones específicas que no sean susceptibles de constituir un puesto de trabajo.

En consecuencia, de conformidad con el artículo 16 de la Ley 30/1992, de 26 de noviembre, de Régimen Jurídico de las Administraciones Públicas y del Procedimiento Administrativo Común, procedo a delegar mi firma para la presentación en el Registro Electrónico del Ministerio de Educación de las solicitudes de verificación y modificación de Títulos oficiales en Dña. Josefa Sarro Casillas, con NIF 0139501-T.

Para la validez de esta delegación no es necesaria la publicación, a tenor de lo dispuesto en el apartado segundo del precitado artículo 16 de la Ley 30/1992, de 26 de noviembre

Y para que así conste, firmo la presente.

Madrid, 11 de febrero de 2011
EL RECTOR

José María Sanz Martínez

José María Sanz Martínez



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Mari J. A.



Identificador : 378589600

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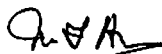
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Education and Culture DG

ERASMUS MUNDUS



TCCM

**CONSORTIUM AGREEMENT and FINANCIAL FRAMEWORK
ERASMUS MUNDUS MASTERS COURSE
*Theoretical Chemistry and Computational Modelling***

The Universidad Autónoma de Madrid established in Carretera de Colmenar Viejo, km. 15.5, Catoblanco, 28049-Madrid (Spain), represented by José María Sanz, Rector, Coordinating Institution of the Consortium, of the one part,

and the University of Groningen established in Broerstraat 5, 9712 CP, Groningen (The Netherlands) represented by Professor Dr. S. Poppema, President,

and the Katholieke Universiteit Leuven, established in Oude Markt 13, B-3000 Leuven (Belgium) represented by Professor Mark Waer, Rector,

and the Università degli Studi di Perugia, established in Piazza Università 1, 06123 Perugia (Italy) represented by Professor Francesco Bistoni, Rector,

and the Universidade do Porto, established in Praça Gomes Teixeira, 4099-002- Porto (Portugal) represented by Professor Doutor José Carlos Marques dos Santos, Rector,

and the Université Paul Sabatier - Toulouse III, established in 118 route de Narbonne, 31062 Toulouse Cedex 9 (France), represented by Professor Gilles Fourtanier, President,

and the Universitat de València, established in Avenida Blasco Ibáñez, 13, 4610-Valencia (Spain) represented by Professor Francisco Tomás Vert, Rector,

recognized partner institutions of the consortium (the "Partners") of the other part

HAVE AGREED to the following terms and conditions, including those in the annexes which form an integral part of this *Consortium Agreement*.

Article 1 - Objective of the present Consortium Agreement

On the basis of the present Consortium Agreement the Partners shall together contribute to the achievement of the requirements of the Framework Partnership Agreement (Annexe 1), which corresponds to the implementation, management and quality assurance of the **Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling***.

Annex Consell de Govern 17.7.12
Punt 12 ordre del dia.
ACCOM 164/2012
València, 19 Juliol 2012

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Article 2 - Entry into force and duration

§1. The Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling* comes into force on 2010 and five biennial editions will be offered by the Consortium (2010-2012 – 2011-2013 – 2012-2014 – 2013-2015 – 2014-2016 courses respectively).

§2. The present Consortium Agreement shall enter into force after its signature by all parts. It shall be valid as long as the Framework Partnership Agreement (Annexe 1) is active. It shall be renewable and modifiable by mutual agreement of the Partner institutions, and following any new proposal from the EACEA. All changes and modifications shall be done in writing and shall be signed by the authorised representatives of each Partner.

§3. Should a Partner want to leave the agreement before the end of the Framework Partnership Agreement, this Partner shall discuss this with the Consortium and shall follow the rules stipulated in the Framework Partnership Agreement (Annexe 1). This is not the case if the Partner should leave by force majeure.

Article 3 - Scope and definitions

§1. The Universidad Autónoma de Madrid is the Coordinating Institution of a Consortium of seven Universities that agreed to organize an Erasmus Mundus Masters Course (EMMC) named *Theoretical Chemistry and Computational Modelling (TCCM)*, approved and funded by the Education, Audiovisual & Culture Executive Agency (EACEA) of the Commission of the European Communities (CEC) under the Erasmus Mundus Framework programme.

§2. The TCCM Consortium is composed of seven European Partners: the Universidad Autónoma de Madrid (UAM, Spain), the University of Groningen (RUG, The Netherlands), the University of Leuven (KUL, Belgium), the University of Perugia (UNIPG, Italy), the University of Porto (UP, Portugal), the Paul Sabatier University of Toulouse (UPS, France) and The University of Valencia (UVEG, Spain). Specific non European partnership can be selected within the Action 3 of the Erasmus Mundus programme framework.

§3. The activities to be developed by the Consortium, and approved by the EACEA, are fully described in the Proposal (Annexe 1). Each Partner has approved its relative contribution to the realization of the described activities in compliance with the Erasmus Mundus programme rules and policies. Any divergence from this Proposal must be approved by all the Partners and, if necessary, must be validated by the EACEA.

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§4. All the responsibilities related to the management of the grant allocated to the Consortium by the European Commission are formalized through a contract between the EACEA and the Coordinating Institution: the Framework Partnership Agreement (Annexe 1). Specific agreements for activities within Action 1A of Erasmus Mundus programme shall be further communicated to the Partners by the Coordinating Institution and shall be appended to this Framework Partnership Agreement.

§5. The present Consortium Agreement describes the financial rules, other than specified in §4, approved by the Partners and the Coordinating Institution and summarizes the responsibilities of each Partner within the programme.

§6. The Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling* will welcome European (EU) and Third-Country (TC) graduate students, following the Proposal (Annexe 1) and Action 1, 2 and 3 of Erasmus Mundus programme. These categories are defined by the EACEA as follows:

"Third-country graduate student means a national of a third country other than those from EEA-EFTA States and candidate countries for accession to the European Union; who has already obtained a first higher education degree; who is not a resident of any of the member States or the participating countries; who has not carried out his or her main activity (studies, work, etc.) for more than a total of 12 months over the last five years in any of the Member States or the participating countries; and who has been accepted to register or is registered in an Erasmus Mundus Masters Course."

"European graduate student means a national of a country from EEA-EFTA States and candidate countries for accession to the European Union; who has already obtained a first higher education degree; and who has been accepted to register or is registered in an Erasmus Mundus Masters Course."

Article 4 - Background

Article 4a) General objectives of Erasmus Mundus programme: Preamble of EACEA Framework

Partnership Agreement

§1. The Executive Agency Education, Audiovisual and Culture has received delegation of powers by the Commission of the European Communities with a view to performance of tasks linked to implementation of Community programmes in the fields of education, audiovisual and culture (Decision N° C/2005/365-2 of the Commission on 15/02/2005). The Executive Agency is responsible for implementing the actions 1, 2 and 3 of Erasmus Mundus programme ("the programme"). The decision establishing the programme was adopted by the European Parliament and Council on 5 December 2003 (Decision No 2317/2003/EC).

§2. For the purposes of implementing the programme, the Executive Agency selects consortia composed



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of higher education institutions and concludes with the coordinator of each consortium, a framework partnership agreement ("the framework agreement") that will entail specific grant agreements ("the specific agreement").

§3. The Executive Agency shares with the partner common general objectives and wishes to establish with it a relationship of lasting co-operation ("the partnership").

§4. The general objectives which it shares with the partner in the above-mentioned area of activity and which justify the establishment of a partnership are the following:

- to promote a quality offer in higher education with a distinct European added value, attractive both within the European Union and beyond its borders;
- to encourage and enable highly qualified graduates and scholars from all over the world to obtain qualifications and/or experience in the European Union;
- to develop more structured co-operation between European Union and third-country institutions and greater European Union outgoing mobility as part of European study programmes;
- to improve accessibility and enhance the profile and visibility of higher education in the European Union.

Article 4b) Summary of Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling*

§1. Objectives: to form specialists able to apply and develop new methods and computational codes, and to follow future doctoral studies in Chemistry, Physics, Life Sciences or Materials Science. They will be also able to develop professional activities as experts in molecular design in the pharmaceutical, petrochemical and new-materials industry, or in any company as computational experts.

§2. Consortium: The **Erasmus Mundus Master Course *Theoretical Chemistry and Computational Modelling*** is an integrated Master Programme designed by seven Universities with a wide-range leadership in Theoretical and Computational Chemistry: The Universidad Autónoma de Madrid (UAM, Spain) (Co-ordinator), the University of Groningen (RUG, The Netherlands), the University of Leuven (KUL, Belgium), the University of Perugia (UNIPG, Italy), the University of Porto (UP, Portugal), the Paul Sabatier University of Toulouse (UPS, France) and The University of Valencia (UVEG, Spain).

§3. Contents: The duration of the programme is 2 years. The contents of the first year corresponds to a general background in theoretical chemistry (Mathematics, Molecular Quantum Mechanics and Statistical Mechanics, Programming and Numerical Methods, Basic Spectroscopy and in Basic Reaction Dynamics) that should provide the student with the necessary knowledge for the correct use of the tools required for



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the development of the Theoretical Chemistry, a sound knowledge of the fundamental postulates of Quantum Mechanics and its methodology, as well as of the fundamental aspects of Statistical Mechanics required to the study of molecular ensembles, condensed phase systems and reactivity questions. This will be complemented with semi-optional and elective courses, devoted to complement the training in different areas of chemistry, where the application of theoretical chemistry is useful or required. The second year includes a 4-week International Intensive Course and 10 weeks of tutorial related home work, including three compulsory courses on: a) Advanced Electronic Structure and Condensed Matter Theory, b) Molecular and Chemical Dynamics, c) Advanced Computational Techniques and Computer Modelling and Simulation, and a series of semi-optional courses, under whose aim is to illustrate the applications of the theoretical Chemistry and computational modelling to different fields, including chemistry, physics, biochemistry, material science, pharmacology, petrochemistry, astrochemistry, etc. This will be followed by a research work associated with the corresponding Master Thesis (36 ECTS) which will be developed in two different Institutions of the TCCM consortium.

§4. Organisation: The first year is organized locally, by each of the seven partner institutions. The teaching language will be that of the country of the partner institution (Spanish, French, Italian, Portuguese), with the exception of the Universities of Groningen and Leuven in which the teaching language will be English. The Intensive Course of the second year will be organized every year in a different country, on a rotary basis. The teaching language will be English. The research activity during this second year has to be carried out abroad, in an Institution of the Consortium (host) of a country different from that of the University in which the student is officially registered. For this purpose, each student will undertake a research project, under the supervision of his/her local Tutor, and in close collaboration with his/her tutor at the host Institution. The Master will end with the defence of a Master Thesis. The dissertation and the defense should be done compulsorily in two languages of the European Union.

§5. Degree-Awarding: The completion of the curriculum is rewarded by a joint/multiple Master Degree detailing both the interdisciplinary and specialized curriculum. The intention is to have a joint degree when legally accepted by all countries involved. A Diploma Supplement describing personal curriculum contents is also delivered.

§6. Application: The Masters Course is open to European and non European excellent students having acquired a BSc in Chemistry, Physics or Material Science, or any equivalent level if authorized by the legislation of the corresponding European Country. Other scientific bachelors can be accepted, provided the student takes complementary levelling courses, under the supervision of his/her local Tutor.



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Article 5 - Responsibilities

Article 5a) Coordinating Institution

§1. The Coordinating Institution has the financial responsibility of the programme.

§2. The TCCM Coordinator is the representative of the Coordinating Institution. He shall organize the collaboration between Partners in compliance with the Proposal (Annexe 1). He is the link between the EACEA and the Partners and shall look after the effective application of the Proposal.

§3. The Coordinating Institution will provide the EACEA with all the required reports on the project evolution and its financial management, according to the Framework Partnership Agreement (Annexe 1).

§4. The Coordinating Institution shall manage in particular the following activities:

- General coordination and initiation of TCCM programme activities in collaboration with the Partners.
- Coordination of the decision taking procedure.
- Creation of tools shared between the Partners (website, forms, guidelines ...).
- Payment of European grants to students and scholars involved in the TCMM programme.
- Receipt of tuition fees and distribution to Partner institutions.
- Partners' information regarding the number of students continuing their studies in each institution, and the academic data necessary for their registration at each Partner: Yearly, until December the 1st.
- Payments of invoices resulting from TCCM programme general activities (except for Partners' participation, Article 7 §4), even if occurring at a Partner institution, when the Consortium has agreed on the expenses, when the costs are eligible under the Coordinating Institution criteria, reasonable, and fitting with the current budgeting of the Consortium allocation.
- Students transportation (organization and payment) from country to country for compulsory mobilities.
- Complementary proposals and applications within the Erasmus Mundus programme (Action 2).
- Elaboration of reports (administrative and financial) to the Consortium for each session of the TCCM course.
- An insurance covering students during the duration of the entire TCCM programme including the minimum requirements for the health and accident insurance coverage of Erasmus Mundus Action 1 provided by the EACEA

Article 5b) Partners (including the Coordinating Institution)

§1. The Partners shall perform and complete their share of the TCCM Programme activities (Annexe 1) in accordance with the requirements set out in the Framework Partnership Agreement (Annexe 1). Each Partner shall carry out the work in such a way that no act or omission in relation thereto shall constitute, cause, or contribute to any breach or non-compliance by the Coordinating Institution or by other Partner of



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any of their respective obligations under the Framework Partnership Agreement.

§2. The Partners shall provide in due time the TCCM Coordinator with the information necessary to prepare the reports required by the EACEA (Annexe 1). The Partners shall be aware that the payment of the scholarships and of the funds allocated to each Partner are subjected to the timely submission of the financial reports by the Partners to the Coordinating Institution, then by the Coordinating Institution to the EACEA. The payments of the EACEA are pre-financings: instalments account for 70% of the financing (Annexe 1). Further payment is made only when 70% of the pre-financing have been spent, and within 90 days from the submission of the financial report, if approved by the EACEA (Annexe 1).

§3. When submitting invoices resulting from activities as in Article 5a §4 to the Coordinating Institution, the Partners shall meet the financial and administrative requirements of the latter.

§4. Each Partner shall organize and realize the TCCM programme activities in its own institution, and specifically:

- The realization and promotion of TCCM academic programme.
- The management of the funds distributed by the Coordinating Institution: The financial administration of each Partner shall guarantee the correct use of the funding for the correct purpose in compliance with Annexe 2.
- Regarding the students and scholars visiting its institution, prior and during their stays:
 - Visa request: Each Partner shall help to obtain the documents required by its national immigration policy, by providing all the explanations and documents helpful for the applicants.
 - Supervision of students' and scholars' status regarding national immigration policy during their stay.
 - Academic admission and registration.
 - Student services (social and medical care, specific services for international students)
 - Housing services: assistance in finding accommodation and contractual issues.
 - If needed, assistance in students transportation within the country of the hosting Partner (e.g., airport/ university) for compulsory mobilities.

§5. For each Partner, a Partner Coordinator, named in the Proposal (Annexe 1), shall organize and coordinate with his/her collaborator(s) the activities and the organisation of TCCM programme in the Partner institution. He/she is the link between Partner institution and the TCCM Coordinator.

§6. The Partners are further assigned specific tasks (Annexe 1), that they shall manage and supervise in compliance with the Consortium decisions:

- **Universidad Autónoma de Madrid:** Financial management of Consortium funds (payments, reports), Communication tools (documents for promotion and presentation, website)
- **University of Groningen:** Quality assurance (assessment forms, reports, external quality assurance);



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Certification of the TCCM joint degree, when legally approved by each country.

- Università degli Studi di Perugia: Coordination of TCCM e-learning platform

Article 6 - Decision taking

§1. The Consortium shall adopt decisions regarding:

- The tasks described in Article 5 §6,
- The management of the TCCM programme,
- The modifications of the programme,
- The modification of the criteria for student selection,
 - Proposals for changes to the Proposal (Annexe 1) to be agreed by the EACEA.
 - Students and scholars selection processes

§2. Decisions shall be taken during meetings, video-conferences, or by mean of email, mail, or telefax consultation.

§3. All seven Partners shall be consulted and vote for decisions taking. Due to the nature of the consultation means, all Partners shall acknowledge receipt of the question submitted to them by the Coordinating Institution within four calendar days, and submit their vote to the Coordinating Institution within seven calendar days. Should a Partner usual representative fail to acknowledge receipt or fail to be reached within four calendar days, the Coordinating Institution shall immediately make every effort to contact a substitute of the representative to vote within seven calendar days. If unable to take a decision by himself/herself, the latter shall resort to §5 of this Article. Should the Coordinating Institution fail to contact a substitute, the decision shall be postponed for seven calendar days. If the same Partner fails again to be reached, the decision shall be voted with a minimum of four Partners. The Partners shall commit themselves not to block a decision by deliberately by not acknowledging receipt. Questions shall not be submitted to vote during legal holidays. Decisions regarding the activities of one Partner in particular shall not be voted in its absence.

§4. Each Partner shall have one vote. Decisions shall be taken by a majority of three-quarters (3/4) of the votes, or lower in case of absence or of abstention of a Partner. Should the Partners fail to reach the majority (2 votes against 2, or 1 against 1), the Partner representing the Coordinating Institution shall have an extra vote to settle the discussion.

§5. A Partner shall request to delay the vote by fifteen calendar days to consult with its institution or to produce documents that may affect the decision.

§6. Since a decision engages the Partner's institution, the voting Partner representative shall take every precaution to ensure his/her decision is in agreement with his/her collaborators, institution practices, and



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legal obligations.

§7. A Partner which can demonstrate that a decision goes against its administrative procedures or against the Framework Partnership Agreement (Annexe 1) shall exercise a veto with respect to the corresponding decision or relevant part of the decision. Its demonstration shall be supported by legal documents. In case of exercise of veto, the Partners shall make every effort to resolve the matter which occasioned the veto to the general satisfaction of all.

§8. On request from a Partner, formal notice, consent or approval shall be given to confirm a decision taking. Such notices shall be signed by an authorised representative of each Partner and shall either be served personally or sent by mail with recorded delivery or telefax with receipt acknowledgement.

Article 7 - Funding distribution and use

§1. The EACEA, acting under powers delegated by the CEC, is funding the Consortium yearly. The funds, referenced in the Framework Partnership Agreement (Annexe 1), are paid to the Coordinating Institution, and can be summarized as follows:

- **Consortium allocation:** Annual flat rate of 30,000 € (thirty thousand Euros) within the Action 1 of the Erasmus Mundus programme, to cover internal expenses of the Consortium.
- **Grants:** studentships and scholarships of the Erasmus Mundus programme, to distribute to students and scholars effectively involved in the TCCM mobility programme.

§2. Each year the Consortium is presented a budget for the next academic year and annually the final balance will have to be approved by the Consortium.

§3. The students involved in the TCCM programme pay tuition fees. The annual rate of the latter is determined for the students starting the academic year 2010/2011, i.e. 3.500 € for TC as well as for European Students (See Annexe 2). This tuition fee may be updated along the duration of the consortium.

§4. The tuition fees shall be paid to the Coordinating Institution following the scheme attached in Annexe 2. The latter shall be updated yearly, in order to specify the exact financial scheme according to the number of students in each category, enrolled in successive TCCM classes.

§5. The whole tuition fees shall be transferred to all the Partners, by the Coordinating Institution, following the timetable given in Annexe 2 and should be administrated by each Partner in order to cover expenses resulting from registration, teaching, and research project associated with the TCCM programme activities.

§6. Should an enrolled student fail to participate to part or the totality the TCCM programme and he/she is not replaced by another student, the Coordinating Institution shall have to return part or the totality of the grant to the EACEA. If clearly required by EACEA, the Partners shall renounce to the funds due, and/or shall return the corresponding funds to the Coordinating Institution, including those corresponding to



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Registration if the enrolled student never came to the Partner institution.

§7. The subsidies of the tuition fees received by the Coordinating Institution together with the Consortium allocation (§1) shall cover for expenses resulting from the organization and the logistic of the TCCM programme as follows:

- Students transportation as in Article 5a §4.
- Common and shared expenses concerning the Consortium, e.g. as in Article 5b §6, or the organisation of TCCM meetings and events, except for the Partners' participation through their Provision for Logistic (§4) unless they demonstrate the latter is insufficient, and following the approval of the Consortium.
- Other expenses if approved by the Consortium and the Coordinating Institution.

Article 8 - Liability

§1. Each Partner shall be solely liable toward the other Partners and toward third parties for loss, destruction, damage or injury resulting from its own actions in the execution of this Consortium Agreement. Notwithstanding the foregoing, a Partners' aggregate liability shall be limited to once the Partner's share of the total cost of the project, provided such damage was not caused by a wilful act or gross negligence.

§2. Each Partner shall be solely liable toward the Coordinating Institution for any breach or non-compliance as described in Article 5b of the present Consortium Agreement. If the Coordinating Institution has to pay any damages or penalties to the EACEA for such breach or non-compliance by a Partner, the Coordinating Institution shall be entitled to full reimbursement from the said Partner.

§3. Each Partner shall be fully responsible for the performance of any part of its share of the Consortium Agreement and for the requirements of Insurance and Social Security for its personnel, involved herein.

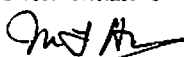
Article 9 - Applicable law and Competent Court

§1. This Consortium Agreement shall in all respect be in compliance with the terms of the related Framework Partnership Agreement and Specific Agreements (Annexe 1) and be governed by Belgian law. The settlement of any difference or conflict arising from or in connection with this Consortium Agreement shall be attempted by an amicable effort from the Partners. Only the Courts of Brussels are competent to decide on the disputes, which remain unresolved.

§2. The TCCM student is bound to the rules and regulations from the Institutes / institutions at which she/he is enrolled.

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Article 10 - Banking information

§1. The Coordinating Institution shall transfer the funds to the following bank accounts:

- The University of Groningen: The 0474567206 bank account of ABN Amro with the IBAN NL45ABN0474567206 (BIC/SWIFT code: ABN ANL 2A)
- The University of Leuven: The 432-0000011-57 bank account of KBC – Interleuvenlaan 15C, 3000 Heverlee with the IBAN BE09 4320 0000 1157 (BIC/SWIFT code: KREDBEBB).
- The University of Perugia: The 00203016000029407189 bank account of UNICREDIT BANCA DI ROMA with the IBAN IT 90Q0300203016000029407189 (BIC/SWIFT code: BROMITR1J11).
- The University of Porto: The 0206001402030_PROPINAS bank account of Caixa Geral de Depósitos with the IBAN PT05 035 0206 000 1402 03067 (BIC/SWIFT code: CGDIPTPL).
- The University of Toulouse: The 10071310000000100132788 bank account of TP Toulouse with the IBAN FR76 1007 1310 0000 0132 788 (BIC/SWIFT code: BDFEFRPP).
- The University of Valencia: The 2077 0735 8931 0015 9143 bank account of BANCAJA, PINTOR SOROLLA, 8 46002 VALENCIA with the IBAN ES77 2077 0735 8931 0015 9143 (BIC/SWIFT code: CVALESVXXX).

Article 11 - Annexes

The following annexes are part of the present Agreement:

Annexe 1. Framework Partnership Agreement (FPA 2010-0147 / 001): contracted between the EACEA and the Coordinating Institution for activities under Erasmus Mundus Actions 1 and 2, and other bilateral agreements related to Erasmus Mundus Action 3 (one for each partnership selected).

Specific agreements are appended, especially: "European Master on Theoretical Chemistry and Computational Modelling" (Ref. 159680-1-2009-1-ES-ERASMUS MUNDUS-EMMC), the Proposal as selected by the European Commission on 15 July, 2009. The latter document describes exhaustively the activities within TCCM programme. Annexes and supplements are appended by EACEA for specific actions and partnerships.

Annexe 2. Financial table for each TCCM courses, presenting the details of incomes and costs and the timetable for the funding distribution by the Coordinating Institution to the Partners.

Annex Consell de Govern...17.7.12

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For the Universidad Autónoma de Madrid

Date, March 10, 2010

[Handwritten signature: José M. Sanz]



Stamp and Signature of legal representative: Prof. José María Sanz, Rector

Other agreements of persons implicated in the programme:

Coordinator: Prof. Manuel Yáñez

Signature:

[Handwritten signature: Manuel Yáñez]

Annex Consell de Govern 17.7.12

Punt 12 ordre del dia.

Adoptat 16.4.2012

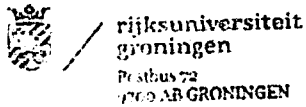
Valencia, 19. Julio. 2012

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Signatures and Stamps

For the University of Groningen

Date, 09/03/2010

Stamp and Signature of legal representative: _____

A handwritten signature in black ink, appearing to be "S. Poppema", written over a horizontal line.

Prof. dr. S. Poppema
President of the
University of Groningen

Other agreements of persons implicated in the programme:

Local Representative: Prof. Ria Broer

Signature: _____

A handwritten signature in black ink, appearing to be "Ria Broer", written over a horizontal line.

Annex Consell de Govern... 18.4.12
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Valencia... 19.4.2012

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For the Katholieke Universiteit Leuven

Date, 09/03/2010

Stamp and Signature of legal representative:

Prof. dr. Mark Waer
Rector KU Leuven

Other agreements of persons implicated in the programme:

Local Representative: Prof. Amout Ceulemans

Signature:

Annex Council de Govern. 17.7.12
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19. Julio. 2012

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For the Università degli Studi di Perugia

Date, - 9 MAR. 2010

IL DELEGATO DEL RETTORE
PER IL SETTORE DELL'INTERNAZIONALIZZAZIONE
Prof.ssa Elda Gaiotti

Stamp and Signature of legal representative:



Elda Gaiotti

Other agreements of persons implicated in the programme:

Local Representative: Prof. Antonio Laganà

Antonio Laganà

Signature:

Annex Council de Govern...17.7.12
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València...18 Juliol 2012

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For the Universidade do Porto
Date, 8/3/2010

Stamp and Signature of legal representative:

J. L. Lopes



Other agreements of persons implicated in the programme:
Local Representative: Prof. Maria Joao Ramos

Signature:

Maria Joao Ramos

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C. J. Marsden




Signatures and Stamps

For the Université Paul Sabatier - Toulouse III

Date, 10-3-2010

Le Président de Université Paul Sabatier
Par Délégation
Le Secrétaire Général

Stamp and Signature of legal representative: _____
Jean-Pierre ROUGE

The official seal of the University of Paul Sabatier, featuring a circular emblem with the text "UNIVERSITE PAUL SABATIER" and a star.

Other agreements of persons implicated in the programme:

Local Representative: Prof. Colin Marsden

Signature:

C. J. Marsden

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For the Universitat de Valencia

Date, March 10th, 2010

Francisco Tomás Vert




Stamp and Signature of legal representative: Professor Francisco Tomás Vert, Rector

Other agreements of persons implicated in the programme:

Local Representative: Prof. Ignacio Nebot

Ignacio Nebot

Signature:



Annexe 2

The TCCM Consortium Committee has decided to set the current common registration fee for both third country and European students to 3.500 € for the academic year 2010-2011.

Those fees cover all the academic, management, marketing and university coordination expenses.

Registration fees will be paid to the Consortium Coordinator, irrespective of the study destination.

The Consortium Coordinating Institution will distribute the tuition fees to the different partner Institutions according to the number of students assigned to each of them by the Selection Committee. Due to the disparity of the official tuition fees regulated by the different national administrations, the International Committee of our Master decided to set the common tuition fee at 3500 € for both third country and European students. When the student is registered in an Institution with lower official tuition fees, the remaining amount of money is administrated by the EM Consortium, through its International Committee, to offer financial help to students with special needs, or to pay the extra charge if the student is enrolled at the University of Groningen, whose tuition fee for third country students is much larger than 3500 €, and to the maximum tuition fee covered by the EACEA.

The transfer of the tuition fee will take place at the beginning of the 2010-2011 academic year.

Each Partner University will administrate this fee to cover the registration, teaching, and research project for each student.

The Coordinating Institution will organize and pay the insurance of all students of the Master, administrating the funds received for this purpose from the EACEA. In this way it will be warranted that the insurance covering will be identical for all students in the Master, independently of their destination. The insurance policy will be subscribe with AON company with a global cost of ca. 500 € per student and year.

At present the Coordinating Institution does not use bank transfer to pay employees or granters, whose monthly allowance are paid by a payroll system which does not allow to make transfers to accounts outside the country. The administrative staff is working, at present, to solve this problem. Hence, if the procedure is put to work before September 2010, the Coordinating Institution will transfer 1000 € every month, to the bank account opened by each of the students with Erasmus Mundus Scholarships registered in any of the seven partner Institutions of the Consortium. If the payment procedure is not ready by September 2010, then, at least initially, the Coordinating Institution will transfer, every three months and starting in September 2010, 3000 €/student to the partner Institutions to cover the monthly allowance of each student for three months. Each partner Institution will transfer 1000 € every month, to the bank account opened by each of the students with Erasmus Mundus Scholarships registered in the Institution.