



**Erasmus+ Key Action I – Erasmus Mundus Joint Master Degree TCCM**  
**<< Theoretical Chemistry and Computational Modelling >>**

**CONSORTIUM AGREEMENT and FINANCIAL FRAMEWORK**  
Between the 9 Full Partner Universities (Higher Education Institutions)

*The Universidad Autónoma de Madrid* established in Carretera de Colmenar Viejo, km. 15.5, Catoblanco, 28049-Madrid (Spain), represented by Professor Rafael Garesse Alarcón, Rector

**Coordinating Institution** of the Consortium, of the **one part**,

*the Université Toulouse III Paul Sabatier*, established in 118 route de Narbonne, 31062 Toulouse Cedex 9 (France), represented by Professor Régine André-Obrecht, President

*and the University of Groningen* established in Oude Boteringestraat 44, 9712 GL Groningen (The Netherlands) represented by Professor Jouke de Vries, President of the board of the University

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

*and the Universitat de Barcelona* established in Gran Via de les Corts Catalanes 585, 08007-Barcelona (Spain), represented by Professor Alejandro Aguilar Vila, Vice-Rector for Outreach and Internationalization

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

*and Sorbonne Université*, established in 21 rue de l'École de Médecine, 75006 Paris (France), represented by Professor Jean Chambaz, President

*and the Università degli studi di Trieste*, established in Piazzale Europa, 1, 34127 Trieste (Italy), represented by Professor Roberto Di Lenarda, Rector

*and the Universitat de Valencia*, established in Avenida Blasco Ibañez, 13, 46010-Valencia (Spain), represented by Professor Maria Vicenta Mestre Escrivà, Rector

recognized as partner institutions of the consortium (the “**Partners**” - PA)

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 Grant Agreement (Annexe 1), which corresponds to the implementation, management and quality assurance of the **Erasmus Mundus Joint Master Degree Theoretical Chemistry and Computational Modelling**.



## Article 2 - Entry into force and duration

§1. The **Erasmus+ Joint Master Degree *Theoretical Chemistry and Computational Modelling*** comes into force on 01/09/2019 and four editions will be offered by the Consortium. Each edition of the master has a duration of two years and will be offered in the following academic years: 2020-2022; 2021-2023; 2022-2024 and 2023-2025. The academic year 2019-2020 will be used as a preparatory year.

§2. The present Consortium Agreement shall enter into force after its signature by all parts, but shall have a retroactive effect from 01/09/2019. It shall be valid as long as the Grant Agreement (Annexe 1) is active. It shall be renewable and modifiable by mutual agreement of the Partners and Associated Partners institutions, and following any new proposal selected by the **EACEA**. All changes and modifications shall be made in writing and shall be signed by the authorised representatives of each part.

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

## Article 3 - Scope and definitions

§1. The Universidad Autónoma de Madrid is the Coordinating Institution of a Consortium of nine **PA** and thirty four Associated Partners (**AP**) that agreed to organize an Erasmus+ Joint Master Degree (**EMJMD**) named ***Theoretical Chemistry and Computational Modelling (TCCM)***, approved by the Education, Audiovisual & Culture Executive Agency (**EACEA**) of the Commission of the European Communities (**CEC**) under the Erasmus+ framework programme.

§2. The **TCCM** Consortium is composed of nine European Partners: the Universidad Autónoma de Madrid -UAM- (Spain), the Universitat de Barcelona -UB- (Spain), the Rijksuniversiteit Groningen -RUG- (The Netherlands), the Katholieke Universiteit Leuven -KUL- (Belgium), the Université Toulouse III Paul Sabatier -UPS- (France), the Università degli studi di Perugia -UPG- (Italy), Sorbonne Université -SU- (France), Università degli Studi di Trieste -UTS- (Italy) and The Universitat de València -UV- (Spain).

And thirty four Associated Partners: Australian National University (Australia), University of California Berkeley (United States of America), Stanford University (United States of America), University of Southern California (United States of America), Kyoto University (Japan), Xiamen University (China), Khalifa University of Science & Technology (United Arab Emirates), Pontificia Universidad Católica de Chile (Chile), Oak Ridge National Laboratory (United States of America), Università degli Studi di Pisa (Italy), Université de Montpellier (France), Université Université de Pau et des Pays de l'Adour (France), Université de Bordeaux (France), Universidad de Cantabria (Spain), Universidad de Extremadura (Spain), Universitat de les Illes Balears (Spain), Universitat Jaume I (Spain), Castellón (Spain), Universidad de Murcia (Spain), Universidad de Oviedo (Spain), Universidad de Salamanca (Spain), Universidad de Santiago de Compostela (Spain), Universidad de Valladolid (Spain), Universidad de Vigo (Spain), Universidad del País Vasco / Euskal Herriko Unibertsitatea (Spain), Max-Planck-Institut für Kohlenforschung (Germany), Ecole polytechnique fédérale de Lausanne (EPFL) (Switzerland), Barcelona Supercomputing Centre (Spain), SURFsara (The Netherlands), CINECA (Italy), Simune Atomistic S.L. (Spain), MasterUp (Italy), QChem (United States of America) and Mestrelab



(Spain).

**§3.** The activities to be developed by the Consortium, and approved by the **EACEA**, are fully described in the Proposal of the Erasmus Mundus Master (Annexe 2). Each Partner and Associated Partner has approved its relative contribution to the realization of the described activities in compliance with the Erasmus + programme rules and policies. Any divergence from this Proposal must be approved by all the Partners and Associated Partners and, if necessary, must be validated by the **EACEA**.

**§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 Grant Agreement (Annexe 1).

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

**§6.** The **Erasmus+ Joint Master Degree *Theoretical Chemistry and Computational Modelling*** will welcome European (**Programme Country**) and non-European (**Partner Country**) graduate students, following the Proposal of the Erasmus+ Master (Annexe 2). These categories are defined by the **EACEA** as follows:

*"Partner Country students are students who are not residents nor have carried out their main activity (studies, training or work) for more than a total of 12 months over the last five years in a Programme Country. The 5-year reference period for this 12-month rule is calculated as from the submission deadline (defined by the consortia) of applying for an EMJMD student scholarship"*

*"Programme Country students are students whose citizenship is one of the Erasmus+ Programme Countries and Students with a Partner Country citizenship who do not fulfill the Partner Country criteria defined above (12-months rule)"*

#### **Article 4 - Background**

##### **Article 4a) Erasmus+: Special conditions of EACEA Grant Agreement.**

**§1.** A European Union Grant is awarded, under the terms and conditions set out in the Special Conditions of the Grant Agreement, the General Conditions and the other Annexes to the Agreement, for the action entitled Theoretical Chemistry and Computational Modelling.

**§2.** The action shall run as of 01/09/2019 (the "starting date") and shall end on 31/08/2025.

**§3.** The grant shall be of a maximum amount of EUR 4,424,000€ and shall take the form of:

- A "unit contribution" to cover the following categories of eligible costs related to EMJMD student scholarships:
  - Participation costs (including tuition fees, full insurance coverage and any other mandatory costs related to student participation in the course)
  - Travel and Installation costs
  - Subsistence costs
- A "lump sum contribution" of maximum EUR 200,000€ (i.e. EUR 50,000€ per intake of the EMJMD) to cover the following categories of eligible costs and EUR 20,000€ for the transition year:



- Consortium management costs
- Costs for mandatory involvement of high-level scholars and guest lecturers to increase the course attractiveness
- Costs for the participation of beneficiaries in events organized by the Agency (e.g. EMJMD coordinators meeting, EMJMD cluster meetings, etc.)

#### §5. Contributions from the Consortium to the sustainability of the Master for the period 2018/2024

- The Partners Institutions (PA) of the Consortium committed themselves to support the programme with a financial commitment of **993,300€**. The amounts, as specified in the letters of commitment, of Annexe 2 are given in the following table:

University	Co-finance mechanism	€/grant	Number of grants	Total (€)
UAM	Full grant	33,000	5	165,000
	Waiving Reg. Fee	1,600	10	16,000
UPS	Full grant	33,000	5	165,000
	Support to courses	15,000	5	75,000
	Incoming Student	3,300	15	49,500
RUG	Waiving Reg. Fee	24,600	8	196,800
KUL	Waiving Reg. Fee	6,000	8	48,000
UB	Full grant	33,000	2	66,000
UPG	Partial grant	20,000	1	20,000
SU	Incoming Student	4,500	6	27,000
UV	Full grant	33,000	5	165,000
<b>Total</b>				<b>993,300</b>

#### Article 4b) Summary of Erasmus Mundus Joint Master Degree *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.** Partners of the Consortium: The **Erasmus Mundus Joint Master Degree *Theoretical Chemistry and Computational Modelling*** is an integrated Master Programme designed by nine Universities with a wide-range leadership in Theoretical and Computational Chemistry: the Universidad Autónoma de Madrid -UAM- (Spain), the Universitat de Barcelona -UB- (Spain), the Rijksuniversiteit Groningen -RUG- (The Netherlands), the Katholieke Universiteit Leuven -KUL- (Belgium), the Université Toulouse III Paul Sabatier -UPS- (France), the Università degli studi di Perugia -UPG- (Italy), Sorbonne Université -SU- (France), Università degli Studi di Trieste -UTS- (Italy) and The Universitat de València -UV-



(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 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 electives courses, devoted to complement the training in different areas of chemistry, where the application of theoretical chemistry is useful or required. The contents of the second year corresponds to a mandatory course on "Advanced Methods in Electronic Structure, Dynamics and Molecular Modelling" and elective courses "Multiscale, Machine learning and QSAR Methods applied to biomolecules", "Advanced Computational Techniques", "Theoretical Methods for Simulation of Materials", "Computational Chemistry Programming Project", "From Theory to Implementation: Tutorials in Theoretical Chemistry", "Modelling Electronic Structure", "Multiscale Modelling of Complex Molecular Systems", "Surface and Interface chemistry: Experiment and Modelling". This will be followed by a research work associated with the corresponding Master Thesis.

**§4.** Organization: The first year is organized locally, by each of the nine 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, Leuven, Autónoma de Madrid, Barcelona and Valencia in which the teaching language will be English. The course corresponding to the subjects of the second year will be organized every year in different programme countries, on a rotating basis. The teaching language will be English. The research activity during this second year has to be carried out partially abroad, in a host Institution of the Consortium. For this purpose, each student will undertake a research project, under the supervision of a local Tutor, and in close collaboration with his tutor at the host Institution. The Master will end with the defence of a Master Thesis. The dissertation and the defence should be done compulsorily in two languages of the European Union.

**§5.** Degree Awarding: The completion of the curriculum is rewarded with a Joint Master Degree issued by the Coordinating Institution, on behalf of the nine Partners of the Consortium, and with a Diploma Supplement, issued by the Coordinator, describing personal curriculum contents, detailing both the interdisciplinary and specialized curriculum. In the case of Catholic University of Leuven, University of Groningen, University Toulouse III Paul Sabatier, University of Perugia, University of Trieste and Sorbonne University; the students will receive also a National Diploma issued by these institutions.

**§6.** Application: The Masters Course is open to European and non-European excellent students having acquired a BSc in Chemistry, Physics or Materials 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 local Tutor.

## **Article 5 - Responsibilities**

### **Article 5a) Coordinating Institution**

**§1.** The Coordinating Institution, Universidad Autónoma de Madrid, has the financial responsibility of the programme.



**§2.** The **TCCM** Coordinator is the representative of the Coordinating Institution. They shall organize the collaboration between **PA/AP** in compliance with the Proposal of the Erasmus Mundus Master TCCM (Annexe 2). They are the link between the **EACEA** and the **PA/AP** and shall see to the effective application of the Proposal of the EMJMD-TCCM.

**§3.** The Coordinating Institution will provide the **EACEA** with all the required reports on the project evolution and its financial management, according to the Grant 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.
- Convene the International Pedagogical Commission
- Coordination of the decision taking procedure.
- Creation of tools shared between the Partners (website, forms, guidelines...).
- Transferring to the Partners the funds necessary for the Payment of European grants for the students assigned to them and scholars invited by the Partner to participate in the **TCCM** programme.
- Reception of tuition fees and distribution to Partner institutions.
- Management of the participation costs. From them the Coordinating Institution will pay the insurance policy of all the students registered in the Master.
- Management of the Lump Sum, that is used to hire a part-time manager of the Master as well as the scholarships of the invited scholars.
- 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+ programme.
- Elaboration of reports (administrative and financial) to the Consortium for the **TCCM** course.

#### **Article 5b) Partners (including the Coordinating Institution)**

**§1.** The Partners shall perform and complete their share of the **TCCM** Programme activities in accordance with the requirements set out in the Grant 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 any other Partner of any of their respective obligations under the Grant Agreement.

**§2.** The Partners shall provide in due time the **TCCM** Coordinator with the information necessary to prepare the reports required by the **EACEA**. The Partners shall be aware that the payment of the scholarship and of the funds allocated to each Partner is 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** will be done as follows: upon entry into force the Grant Agreement, a pre-financing payment of 25% of the maximum amount specified in article 4 (4a, §3)



shall be paid to the coordinating institution. The EACEA must take a second pre-financing payment of 50% of the maximum amount specified in Article I.3.1 of the Grant Agreement (Annexe 1) to the coordinator within 60 calendar days from when the Agency receives the financial guarantee of an amount equal to the pre-financing instalment to be paid, whichever is the lastest, except if Article II.24.1 or II.24.2 of the Grant Agreement (Annexe 1) apply. The Agency must make a third pre-financing payment of 25% of the maximum amount specified in Article I.3.1 of the Grant Agreement (Annexe 1) to the coordinator within 60 calendar days from when the Agency recives the request for third pre-financing payment referred to in Article I.4.2 of the Grant Agreement (Annexe 1) of from when the Agency receives the financial guarantee of an amount equal to the pre-financing instalment to be paid, whichever is the lastest, except if Article II.24.1 or II.24.2 of the Grant Agreement (Annexe 1) apply. Should preceding pre-financing instalments not be executed in full, a further pre-financing (fourth pre-financing) shall be requested by the coordinator in order to reach the maximum amount of pre-financing.

**§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 destination 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.
  - Assistance.
  - Accommodation organization and booking or assistance in finding suitable accommodation.
  - If needed, student transportation (organization and payment) within the country of the hosting Partner (e.g., airport/ university) for compulsory mobilities.

**§5.** For each Partner, a Partner Coordinator, named at the end of this document in the section **Signatures and Stamps**, shall organize and coordinate with their collaborator(s) the activities and the organization of **TCCM** programme in the Partner institution. They are the link between the Partner institution and the **TCCM** Coordinator.

**§6.** The Partners are further assigned specific tasks, 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, social media).
- **University of Barcelona:** Coordination with companies and industrial partners.
- **University of Groningen:** Quality insurance (assessment forms, reports); Certification of the **TCCM** joint degree.



- **Università degli Studi di Perugia:** Coordination of **TCCM** e-learning platform.
- **Université of Toulouse:** Coordination and organization of the Winter Schools and other training activities in collaboration with CECAM. Collaboration in the communication tools.
- **University of Leuven:** Coordination of possible common activities with the Doctorate on TCCM.
- **Sorbonne University:** Coordination of possible outreach activities.
- **University of Trieste:** Students issues and receive and handle the students' complaints.
- **University of Valencia:** Coordination of the students' mobility.

## 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,

**§2.** Decisions shall be taken during meetings of the International Pedagogical Commission, videoconferences, or by means of email, mail, or telefax consultation.

**§3.** For operational efficiency, a **Management Board (MB)** comprised of four members: the coordinator of the Master, one representative of UPS and two members of the international administrative staff, will oversee the daily management of the Master. Nevertheless, all important decisions will be taken jointly by an **International Pedagogical Commission (IPC)** that will approve all the important decisions taken in the Master, will do the follow-up of the implementation of the study plan, the quality procedures and all issues related with the students, including their adaptation in each of the hosting institutions (degree-awarding institutions and placements for the three-month mobility periods). The **International Pedagogical Commission** will be set up with **three sub commissions:**

- Local Pedagogical teams (LP)
- The Students Commission (SC)
- The Mobility Commission. (MC)

The main purpose of these sub commissions and the International pedagogical team is to ensure the quality of the TCCM Master thus, to constantly review, analyze and improve the quality and relevance of teaching, the quality and relevance of mobilities, administrative procedures, selection process and all other matters related to the smooth running of the EMJMD TCCM Master. In addition to this an External Advisory Board (EAB) composed by four experts (two men and two women) not belonging to any of the partner institutions will evaluate the Master annually and recommend actions to improve its quality. An alumni association, already set in place in the current master (see <https://tccm-alumni.qui.uam.es>), will act as a key element to follow the students' careers and will also help the consortium by giving feedback to consider in the quality reviews and by providing useful practical information that will be recovered by the coordinating institution and considered when producing information packages for future master's students. Further information about the different commissions can be consulted in Annexe 2.

**§4.** Each PA/AP 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 PA/AP. Should the AP/PA fail to reach the majority, the PA/AP representing the Coordinating Institution shall have an extra vote to settle the





discussion.

**§5.** A PA/AP 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 PA/AP, the voting PA/AP representative shall take every precaution to ensure their decision is in agreement with their collaborators, institution practices, and legal obligations.

**§7.** A PA/AP which can demonstrate that a decision goes against its administrative procedures or against the Grant Agreement 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 the case of exercise of veto, the PA/AP shall make every effort to resolve the matter, which occasioned the veto to the general satisfaction of all.

**§8.** On request from a PA/AP, formal notice, consent or approval shall be given to confirm a decision taking. Such notices shall be signed by an authorized 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 Grant Agreement (Annexe 1), are paid to the Coordinating Institution, and can be summarized as follows:

- **Consortium allocation:** Annual flat rate of 50,000€ of the Erasmus+ programme, to cover internal expenses of the Consortium and the scholarships for invited scholars
- **Grants:** scholarships of the Erasmus+ programme, to distribute to students effectively involved in the TCCM mobility programme.

**§2.** The students involved in the **TCCM** programme pay tuition fees. The annual rate of 3,500 € is common to all Institutions of the Consortium. The students pay this amount to the coordinator.

**§4.** The whole tuition fees shall be transferred to all Partners, by the Coordinating Institution, and should be administrated by each Partner in order to cover expenses resulting from registration, teaching, project and prevision of logistic associated with the **TCCM** programme activities.

**§5.** Should an enrolled student fail to participate partly or totally to the **TCCM** programme and should another student not replace them, the Coordinating Institution shall have to return part or the totality of the grant to the **EACEA**. If clearly required by the **EACEA**, the Partners shall renounce to the funds due, and/or shall return the corresponding funds to the Coordinating Institution, including those corresponding to Registration if the enrolled student never came to the Partner institution.

**§6.** The subsidies of the participation costs perceived 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:

- Student transportation as in Article 5a §4.
- Common and shared expenses concerning the Consortium, e.g. as in Article 5b §6, or the organization 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 - Admission and selection criteria

### §1. The admission criteria for all applicants are as follows:

- Bachelor in Chemistry, Physics or Materials Science, or 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 local Tutor.
- Candidates from countries where English is not one of the official languages, must demonstrate their knowledge of English by proving that they have received their education in English or with a certified language level equivalent to B2 using the CEF (Common European Framework of Reference for Languages), or internationally recognized English proficiency certificate equivalent to a TOEFL score of minimum 90, or an IELTS score of 6.5.
- For students coming from partner countries or having a Bachelor different from those mentioned above, the possession of the following (or equivalent) subjects at the level of the Chemistry Euro bachelor needs to be certified: Chemical Bonding, atomic and molecular structure and intermolecular interactions, General physics, Mathematics, General Physical Chemistry, Thermodynamics and kinetics. Spectroscopy. Some deficiencies on one or two of these topics may be acceptable, but will be known by the local tutor, so that if the student is accepted, the necessary levelling activities are to be taken mandatorily by the student at the beginning of the Master can be defined.

§1. The *selection process* will imply to evaluate the candidate according to six areas defined as follows:

- Area 1. The adequacy of the previous studies to the TCCM Master according to the following three categories:
  - Chemistry, Physics, Material Science-
  - Chemical Engineering, Pharmacy, Biotechnology, Informatics, Mathematics, Materials Engineering, Electronics Engineering, and other related bachelors.
  - Other areas loosely related (e.g., Bachelor of Education, Cosmeceutics Studies, Food Technology).

This division may be corrected in case that the subjects listed in the academic record of the candidate contain more or less than the usual required subjects in the corresponding Euro bachelor.

- Area 2. The academic excellence, as shown in the academic record sent by the candidate.
- Area 3. The worldwide reputation of the institution in which previous studies have been done. This will be done by using the ranking of the best 12000 universities of the world provided by the web <http://www.webometrics.info/> :
- Area 4. The continuity in studies and extra degrees. A consecution of academic achievements in accordance with the age of the student is expected (BSc at 22-24 years old, MSc at 24-26, PhD at 26-28). Negative aspects: Academic breaks (degrees taking too long); and deviations from a research-oriented career.
- Area 5. Extra activities. As English level and other languages, advanced knowledge of Chemistry, Programming skills, Publications, posters, and attendance to conferences and conferences



- Area 6. References.

## **Article 9 - Student issues**

### **§1. Students performance and evaluation:**

- The evaluation of the students during M1 should be done locally by the teachers involved in the front-teaching of the disciplines integrated into the first year of the Master.
- The coordination of this training in each Partner will be done following the scheme outlined in the Proposal (Annexe 2).
- The uniformity of the level of training in each Partner will be measured, at the beginning of M2 and previous to the starting of the course of the M2 compulsory subject
- The evaluation of the students during M2 will be common to all the students and will be done by the teachers and Invited scholars.

### **§2. Students complaints:**

- The Consortium has established clear procedures for dealing with possible students' complaints regarding their rights (Annexe 2):
- The first level will be the responsibility of the Local Tutor of the Master at each Partner and the local pedagogical team
- The second level will be the responsibility of the University of Trieste in contact with the student commission
- The third level will be the responsibility of the International Pedagogical Commission.
- The complaints concerning the Master Thesis work should be solved at a first level by the local pedagogical team and by the International Pedagogical Commission of the Master at a second level.

## **Article 10 - Liability**

**§1.** Each PA/AP shall be solely liable toward the other PA/AP 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 PA/AP aggregate liability shall be limited to once the PA/AP 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 11 - Applicable law and Competent Court**

**§1.** This Consortium Agreement shall in all respects be in compliance with the terms of the related Grant 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 of the Institutes / institutions at which they are enrolled.

**Article 12 - Banking information**

**§1.** The information about banking details is provided in the corresponding institutional page provided above.

**Article 12 - Annexes**

The following annexes are part of the present Agreement:

Annexe 1.- Grant Agreement.

Annexe 2.- Proposal.

**Document Signed by the Legal Representatives of all the Partners of TCCM**



The Universidad Autónoma de Madrid,  
established in Carretera de Colmenar Viejo, km. 15.5, Catoblanco, 28049-Madrid (Spain)

Coordinating Institution

I, the undersigned, hereby declare that I fully understand and endorse the rights and obligations conferred by the present Agreement to the Institution I represent.

Signature of the beneficiary's legal representative (if the signatory is not the legal representative, please add an authorization to sign on his/her behalf):

Name and position of the legal representative (in CAPITAL LETTERS):

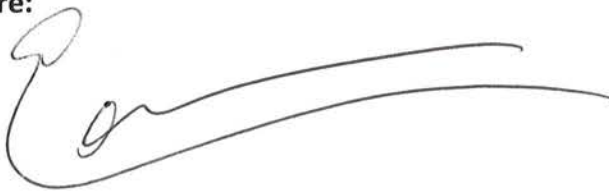
PROFESSOR RAFAEL GARESSE ALARCÓN

RECTOR OF THE UNIVERSIDAD AUTONOMA DE MADRID

IBAN: ES46 2038 2831 6260 0011 7209

SWIFT CODE: CAHMESMM

Date of signature:



Signature and stamp of institution:



**The Université Toulouse III Paul Sabatier,**  
**established in 118 route de Narbonne, 31062 Toulouse Cedex 9 (France)**

I, the undersigned, hereby declare that I fully understand and endorse the rights and obligations conferred by the present Agreement to the Institution I represent.

Signature of the beneficiary's legal representative (if the signatory is not the legal representative, please add an authorization to sign on his/her behalf):

Name and position of the legal representative (in CAPITAL LETTERS):

PROFESSOR REGINE ANDRE OBRECHT

PRESIDENT OF THE UNIVERSITE TOULOUSE III PAUL SABATIER

IBAN: FR76 1007 1310 0000 0010 0132 788

SWIFT CODE: TRPUFRP1

Date of signature:



Signature and stamp of institution:



University of Groningen,  
established in Oude Boteringestraat 44, 9712 GL Groningen (The Netherlands)

I, the undersigned, hereby declare that I fully understand and endorse the rights and obligations conferred by the present Agreement to the Institution I represent.

Signature of the beneficiary's legal representative (if the signatory is not the legal representative, please add an authorization to sign on his/her behalf):

Name and position of the legal representative (in CAPITAL LETTERS):

PROFESSOR DR. JOUKE DE VRIES

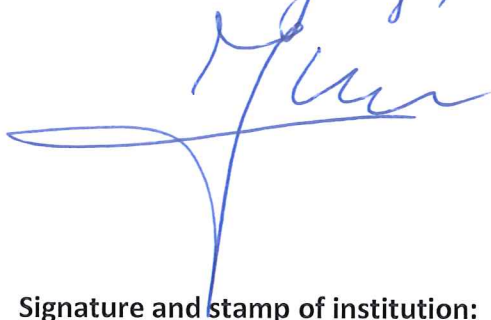
PRESIDENT OF THE BOARD OF THE UNIVERSITY

IBAN:

SWIFT CODE:

Date of signature:

Groningen, 2 Oct 2019



Signature and stamp of institution:



university of  
 groningen

Katholieke Universiteit Leuven,  
established in Oude Markt 13, B-3000 Leuven (Belgium)

I, the undersigned, hereby declare that I fully understand and endorse the rights and obligations conferred by the present Agreement to the Institution I represent.

Signature of the beneficiary's legal representative (if the signatory is not the legal representative, please add an authorization to sign on his/her behalf):

Name and position of the legal representative (in CAPITAL LETTERS):

PROFESSOR LUC SELS

RECTOR OF KATHOLIEKE UNIVERSITEIT LEUVEN

IBAN: BE63 7340 1934 1708

SWIFT CODE: KREDBEBB

Date of signature: 24/9/2019



Signature and stamp of institution:





Universitat de Barcelona,

established in Gran Via de les Corts Catalanes 585, 08007-Barcelona (Spain)

I, the undersigned, hereby declare that I fully understand and endorse the rights and obligations conferred by the present Agreement to the Institution I represent.

Signature of the beneficiary's legal representative (if the signatory is not the legal representative, please add an authorization to sign on his/her behalf):

Name and position of the legal representative (in CAPITAL LETTERS):

PROFESSOR ALEJANDRO AGUILAR VILA

VICE-RECTOR FOR OUTREACH AND INTERNATIONALIZATION OF UNIVERSITAT DE BARCELONA

IBAN: ES19 0182 6035 4102 0160 8081

SWIFT CODE: BBVAESMMXXX

Date of signature: 02/10/2019


UNIVERSITAT DE  
BARCELONA  
Oficina de Mobilitat i  
Programes Internacionals

Signature and stamp of institution:



Università degli Studi di Perugia,  
established in Piazza Università 1, 06123 Perugia (Italy)

I, the undersigned, hereby declare that I fully understand and endorse the rights and obligations conferred by the present Agreement to the Institution I represent.

Signature of the beneficiary's legal representative (if the signatory is not the legal representative, please add an authorization to sign on his/her behalf):

Name and position of the legal representative (in CAPITAL LETTERS):

PROFESSOR FRANCO MORICONI

RECTOR OF THE UNIVERSITA DEGLI STUDI DI PERUGIA

IBAN: IT93A0200803043000104840311

SWIFT CODE: UNCRITM1J11

Date of signature: 25 SET 2019

Signature and stamp of institution:

  
IL RETTORE  
(Prof. Franco Moriconi)



**Sorbonne Université,**  
**established in 21 rue de l'Ecole de Médecine 75006 Paris (France)**

I, the undersigned, hereby declare that I fully understand and endorse the rights and obligations conferred by the present Agreement to the Institution I represent.

Signature of the beneficiary's legal representative (if the signatory is not the legal representative, please add an authorization to sign on his/her behalf):

Name and position of the legal representative (in CAPITAL LETTERS):

PROFESSOR JEAN CHAMBAZ

PRESIDENT OF SORBONNE UNIVERSITÉ

IBAN: FR76 1007 1750 0000 0010 0096 013

SWIFT CODE: TRPUFRP1

Date of signature: 7.11.19

Signature and stamp of institution:



Università degli Studi di Trieste,  
established in Piazzale Europa, 1, 34127 Trieste (Italy)

I, the undersigned, hereby declare that I fully understand and endorse the rights and obligations conferred by the present Agreement to the Institution I represent.

Signature of the beneficiary's legal representative:

Name and position of the legal representative, authorized to sign the present document by the Academic Board of Directors of September 25, 2019:

PROFESSOR ROBERTO DI LENARDA

CHANCELLOR OF UNIVERSITÀ DEGLI STUDI DI TRIESTE

IBAN: IT 60 M 02008 02223 000003889085

(DEPARTMENT OF CHEMICAL AND PHARMACEUTICAL SCIENCES)

SWIFT CODE: BIC UNCRITM10UC

Date of signature:

2 OTT. 2019

Signature and stamp of institution:

The image shows a handwritten signature in black ink over a circular stamp. The stamp contains the text "UNIVERSITÀ DEGLI STUDI DI TRIESTE" around the perimeter and a central emblem. The signature is written in a cursive style.

The Universitat de Valencia,  
established in Avenida Blasco Ibañez, 13, 46010-Valencia (Spain)

I, the undersigned, hereby declare that I fully understand and endorse the rights and obligations conferred by the present Agreement to the Institution I represent.

Signature of the beneficiary's legal representative (if the signatory is not the legal representative, please add an authorization to sign on his/her behalf):

Name and position of the legal representative (in CAPITAL LETTERS):

PROFESSOR MARIA VICENTA MESTRE ESCRIVA

RECTOR OF THE UNIVERSITAT DE VALENCIA

IBAN: ES59 2038 9651 6860 0026 2136

SIWFT CODE: CAHMESMMXXX

Date of signature: 27 september 2019

Signature and stamp of institution:

