

Erasmus Mundus Joint Master Degree
Chemical NanoEngineering (CNE)



Consortium agreement
(Project: 619542-EPP-1-2020-1-FR-EPPKA1-JMD-MOB)

The aim of this agreement is to establish the implementation issues of the Erasmus Mundus Joint Master Degree (EMJMD) program in Chemical Nano-Engineering between the Partners:

1	Aix-Marseille University, Marseille, France (coordinator) Accord de consortium n°2020-6257	 Aix-Marseille université Socialement engagée
2	Wroclaw University of Science and Technology, Wroclaw, Poland (Partner)	 Wroclaw University of Science and Technology
3	University of Rome Tor Vergata, Rome, Italy (Partner)	 TOR VERGATA UNIVERSITÀ DEGLI STUDI DI ROMA

This agreement provides all parties information about the program structure and management mechanism, common educational responsibilities and the financial management, as defined in the **Grant Agreement No 619542** signed by the President of the Aix-Marseille University on behalf of all Partners.

This agreement is valid for the preparatory year, **2020/2021** and for 4 intakes of the Master program:

1. Years 2021-2023, Intake 1,
2. Years 2022-2024, Intake 2,
3. Years 2023-2025, Intake 3,
4. Years 2024-2026, Intake 4.

By a 'year' we understand the academic year which is the period between September 1 and September 30 of the following calendar year.

Article 1 – General objectives of the EMJMD Program

1. In line with Horizon Europe strategy, which is a planned 7-year European Union scientific research initiative over the years 2021-2027, the present agreement complies with the applicable conditions in this regard to ensure the management of the two-year Master programme in Chemical Nano-Engineering (CNE) selected for EU co-funding.
2. The partners promote access to:
 - a high-quality Master Degree in the field of nano-engineering for future engineers;
 - the cooperation between partner country institutions to advertise and promote experience and development in nano-science and education;
 - the study programme including several students' mobility among the consortium members offering longstanding experience and academic excellence in the thematic fields addressed;

- resources that allow broadening the educational offer in nano-engineering.
3. The Partner Universities support the promotion and sustainability of the programme beyond the period covered by the current Grant Agreement.

Article 2 – The CHEMICAL NANO-ENGINEERING Consortium

1. Aix-Marseille University is the Coordinating Institution of the Consortium, which includes three Partner European Universities. All are agreed to make every effort to contribute to the implementation of the degree program named Chemical Nano-Engineering (CNE) funded by the European Commission within the framework of Erasmus+ Programme.
2. The CNE Consortium is coordinated by Prof. **Bogdan Kuchta** from Aix-Marseille University with local academic coordinators:

University of Rome Tor Vergata (UNITOV), Rome, Italy	Prof. Maria Luisa di Vona
Wroclaw University of Science and Technology (WUST), Wroclaw, Poland	Prof. Piotr Rutkowski
Aix-Marseille Université (AMU), Marseille, France	Prof. Philippe Knauth
3. The main governing body of the Master Program is the CNE Consortium Committee. It is composed of the Coordinator, the local coordinators, the administrative officers and one representative of each Partner, as permanent members. The directors of the involved Departments of the partner universities and the other CNE master teaching staff or consultant (assessor, evaluation committee, Associated Partners) may be invited if the situation requires any specific expertise or action.
4. The CNE Consortium Committee is in charge of the general management. Other committees will be established by the CNE Consortium Committee (e.g., Pedagogical, Selection, and Evaluation) for specific tasks. The functions assigned to the CNE Consortium Committee are:
 - the management of human and financial academic supervision, resources, quality assurance, professional advice, degree awarding /recognition issues, consortium changes (see [article 3](#));
 - modifications of the learning- teaching program (within the frame defined by the current accreditations) (see [article 4](#));
 - the definition of roles and duties of the Consortium partners (see [article 5](#));
 - modification of the Associated Partners list (see [article 6](#));
 - the organisation of the quality assessment of the Master courses on an internal and external basis (see [article 7](#));
 - modifications of the criteria for student selection (see [article 8](#));
 - the organisation of the selection of the students and candidate's evaluation (see [articles 8 and 10](#));
 - student complains (in connection with the disciplinary regulations set out in this respect in the universities concerned);
 - the debriefing and analysis of the reports sent by the Agency;
 - the search for future sources of support and grants in order to ensure the sustainability of the Master programme.
5. Decisions of the CNE Consortium Committee shall be taken during the plenary meetings, video-conferences, or by the means of emails and mails written consultation.
6. The Associated Partners (the list is given in the [Appendix III](#)) are part of the learning-teaching process, but they are not members of the Consortium. By decision of the CNE Consortium Committee, the list of Associated Partners can be modified during the period of the program by the Consortium. Their participation in the program may be supported by the program budget. Their roles are defined in the [Article 6](#).

Article 3 – The CHEMICAL NANO-ENGINEERING Master Program: objectives, organisation and description

1. Objectives: The CNE Master Program project aims at preparing specialists in the field of nano-engineering. The students receive a high-level training programs and achieve qualification levels to be able to synthesize, design, evaluate, and develop new materials. They should be prepared for studies at Ph.D. level or for working on research projects in industry. The overall structure of the master programme is a combination of courses with the intent of offering a dual scientific/engineering education. The mobility scheme and the course structure are based on a progressive learning from basic modules to specialization.
 2. Duration: The duration of the Master Program is 2 years. The program is designed in this way:
 - 3 academic study semesters at the three European partner universities according to the mobility scheme. The language of instruction is English;
 - 1 semester internship for Master thesis research project.
 3. Number of students: each intake has 15-20 students with the EU scholarships. **The total number of students (for 4 uptakes) supported by the Erasmus Mundus European scholarship is 68.** Additional participation of students with scholarship generated by the consortium (from public and/or private resources) and self-funding students enrolled (in each intake) may vary between 0 and 5 students.
 4. Mobility: At the beginning of the program, the students attend an integration week in early September of year 1 at the coordinating institution (Aix-Marseille University, Marseille, France). The study program is organized among the three European university partners:
Semester 1 = Marseille (30 ECTS)
Semester 2 = Wroclaw (30 ECTS)
Semester 3 = Rome (30 ECTS)
Semester 4 is dedicated to the laboratory works and research in order to prepare the Master Thesis (30 ECTS). The internships for the Thesis preparation can be offered by all Partners (including the Associated Partners). The Master thesis defence and the graduation ceremony takes place in mid-September (see [Article 11](#)).
- Summer School is an integrated part of teaching and mobility pathway (see [Article 13](#)) and is obligatory for the students.
- During the summer between the second and the third semester the students are encouraged to participate in facultative internships.
5. Degree-Awarding: a Joint Master Degree is awarded after the successful completion of the curriculum. In addition, a joint diploma supplement details the personal curriculum contents and the mobility pathway achieved. The model of the **Joint Master Diploma certificate** is presented in the [Appendix V](#). In case the delivery of the Joint Diploma is legally not possible, the consortium will provide multiple degrees (national degrees) to the graduates (see [Article 5 § 2](#)).
 6. Application: The Master Course is open to excellent European and non-European (third country) students having acquired a BSc (or higher) equivalent diploma in Materials Science, Chemistry, Chemical engineering and related fields. The candidates apply to CNE program by using the application site <https://application.master-cne.eu/> following the rules published on updated Web site <https://www.master-cne.eu/applications/application-information>. The consortium appoints an evaluation committee in charge of co-ordinating and supervising the selection and admission procedures. The procedure is defined in the [Article 8](#). The evaluation committee will consist of at least:
 - one representative Professor per full partner University

- invited Researchers/ Scientists from Associated Partners

Article 4 – Academic program

1. The description of the academic program and the timetable of mandatory courses is given in the Appendix I.
2. The description of each course is available on the program website (<https://www.master-cne.eu/study-program/courses-description>).
3. Modifications of the program must be accepted by the CNE Consortium Committee, in conformity with the provisions and regulations issued by the relevant bodies of the universities concerned.

Article 5 – The Chemical NanoEngineering Master Program: Responsibilities of all members of the consortium

Aix-Marseille University (AMU) – coordinator

1. The Coordinating Institution, Aix-Marseille University (AMU), Marseille, France, has the financial responsibility of the programme. The Coordinating Institution will report directly to the European Commission on the project progress at the reporting periods.
2. The CNE Coordinator is the representative of the Coordinating Institution. He is responsible for drawing up technical report, financial statements. He organizes and coordinates the effective application of the CNE Project between Partners in compliance with the proposed EMJMD academic programme. He is the link between the European Commission and the Partners.
3. The Coordinating Institution will manage in particular the following activities:
 - General coordination of CNE programme activities in collaboration with the Partners;
 - Creation of tools shared between the Partners (evaluation forms, guidelines, project's website ...);
 - Payment of European grants to students and scholars involved in the CNE programme;
 - Signature of the CNE student Agreement with each of the enrolled students;
 - Verification of the validity of the diploma that allows enrolment in the master degree course in Chemical Nano-Engineering;
 - Verification of the visa or residence permit before the student's registration in the Master program CNE;
 - Distribution of the student participation cost to the Partners according to the planned budget distribution (see Article 9);
 - Payments of invoices resulting from CNE programme activities, according to the planned budget, even if they are carried out at a Partner institution. The Consortium should, however, be agreed on the expenses, which should be fully eligible for the programme grants;
 - Banking facilities for enrolled students and scholars/guest lecturers;
 - Healthcare coverage and insurances (civil liability + repatriation insurance) exclusively for every enrolled student in the CNE programme;
 - Elaboration of technical reports and financial statements to the Consortium for each intake of CNE Master course;
 - Submission of additional supporting documents, if required by the grant agreement.

Partners (including the Coordinating Institution)

1. The Partners should perform their responsibilities of the CNE Programme activities in accordance with the project proposal submitted in the Erasmus Mundus Joint Master Degree Call 2020. The Partners

shall cooperate to achieve the goals of the Programme and to keep the structure, the quality and the outcomes of CNE education in line with the standards set forth in [Article 1](#) of this Agreement.

2. Each Partner will organize and carry out the CNE programme activities in its own institution, in particular the following actions:
 - The promotion and implementation of the CNE academic programme for students, scholars and researchers from Programme Countries (also referred to as “European”) and Partner Countries (also referred to as “Non-European”);
 - The management of the funds granted by the European Commission and transferred by the Coordinating Institution;
 - Each partner shall have at least one part-time administrative assistant for the CNE programme implementation;
 - Visa application process: each Partner must assist each student or scholar according to their individual needs in terms of visa application;
 - Status regarding the national immigration policy: each Partner should ensure that the necessary steps have been taken with immigration officials in compliance with the standards;
 - Academic admission and registration: each Partner communicate their specific dates regarding the timeframe of the Academic Calendar before the end of January of the year preceding the relevant academic year;
 - Communication with the students: each Partner timely manage all communication concerning their activity during the term;
 - Accommodation: each Partner provide guidance to incoming participants in finding accommodation, either for students' mobility for long-term stay at the three Partner universities or for short-term invited scholars and during the Summer Schools;
 - Integration: through the programme's mobility scheme, students experience different educational environment and a diversity of learning and teaching methodologies. Each Partner facilitate the successful integration of students by organising cultural integration days and providing the students with all the facilities and the learning support;
 - Awarding diploma: The Partners provide each graduating student who spent one term at their university with a legally recognized diploma and a diploma supplement in line with the national regulations, as specified in this Agreement:
 - Master de Nanosciences et Nanotechnologies, mention Chemical Nano-Engineering at Aix-Marseille Université,
 - Tytuł Magistra Inżynierii chemicznej i procesowej at Politechnika Wroclawska,
 - Laurea Magistrale in Chimica per la Nano-Ingegneria at Università degli Studi di Roma “Tor Vergata”;
 - Complaint handling: after adequate warning, the Partners may report to the CNE Coordinator any serious problem with the students or the visiting scholars/guest lecturers receiving an Erasmus Mundus scholarship (no-show of a student candidate or student drop-out). If necessary, the competent disciplinary bodies of the university can be implicated.
3. For each Full Partner, the Partner Coordinator, named in [Article 2](#), shall organize and coordinate with his/her local collaborator(s) the activities and the organisation of CNE programme in the Partner institution. He/she is the link between Partner institution and the CNE Coordinator. He/she attends regularly the CNE Committee, the main governing body of the Master Course (see Article 2, p.3).

Article 6 – Specific roles of the Associated partner Universities

1. The participation of associated partners (see [Appendix III](#)) is considered as an adequate complement to the course content and activities. The Associated Partners play an advisory role in the implementation of CNE programme in the External quality assurance Committee. This Committee is taking account of the employment needs in the national and EU labour market contributing to the adjustments required to tune the choice of course to meet employers' demands in terms of competencies and skills in CNE.

2. The Associated Partners are strongly encouraged to host CNE students in their respective laboratories (academic or industrial) for their research work in the Semester 4 (Master thesis). The Associated Partner institutions reserve the right to reject a student's application for practical training inside their institution.
3. The Associated Partners favour the master promotion around the world (Education & Career Exhibitions, International Education Fairs ...).
4. The Associated Partners professors may be invited to participate in teaching units of the CNE course.
5. The Associated Partners professors can participate in Summer School organized for CNE students.
6. The Associated Partners can propose internships for the CNE students and CNE graduates.
7. The Associated Partners representatives may be invited by the program Coordinator if their expertise is required.
8. The list of the Associated Partners is not closed. The Consortium may invite new Associated Partner to join the CNE Master program. Also, each Associated Partner may resign from the Associated Partner status.

Article 7 – Quality assurance

The CNE Consortium establishes a quality assurance process on an internal and external basis.

Internal quality process

The Partners shall be individually responsible for the quality of their teaching, according to the principles, rules and procedures established by their national regulation. The courses, the organization of the corresponding assessments and examinations, the composition of the Examination Board will be set up in compliance with the applicable regulations in the host university. The Partners shall maintain the Quality Assurance conditions for their participation in the CNE programme. This includes undergoing accreditation, inspection, reporting, quality controls required by the Partner's national legislation.

All Partners have in place internal evaluation procedures for their teaching staff (annual job performance, reports, student questionnaire, and scientific output evaluation). In addition, the Partners agree on the following special procedures to ensure the quality of the CNE programme.

On the basis of an anonymous questionnaire, students have to fill-up assessments at the end of each term. The main topics to be addressed are quality of lectures, validity of content, outcome related to specific learning, clarity and accessibility of lectures (oral presentations and lecture notes), contribution of teaching staff to the learning process, examination procedures. A second part of the questionnaire is devoted to the assessment of the general management of the Master Course: visas, special consideration given to requests, diffusion of information, choice of the academic pathway, and assistance for finding Master Thesis, assistance to find a position or to obtain a research grant after the Master course. The Summer School is evaluated independently at the end of the meetings.

At the Consortium level, during the meetings of the Consortium Committee, a general self-assessment based on internal evaluations, as described above, is conducted to review and follow up some performance indicators: professional positions after graduation, number of students pursuing in PhD studies, evolution towards a sustainable Master Course, academic standard of scholars applying for mobility.

External quality process

External quality assurance is guaranteed by an external evaluation committee. The consortium appoints 3-5 members of the **External evaluation committee**, selected from other educational institutions and the leading nano-science university programmes. The funds for this external evaluation Board are included in the EMJMD participation costs. The external evaluation is organized at the periods specified in the grant agreement. The assessment outcomes are communicated to the consortium members. As

a result of such consultation, relevant actions are proposed to amplify the positive outcomes and correct criticism weaknesses. Actions are undertaken before the selection of a new intake.

Article 8 – Students application rules

1. Applicants complete application on-line <https://application.master-cne.eu/>, where all documents are uploaded.
2. The Evaluation criteria for students applying to the Master Chemical NanoEngineering are the following:
 - Academic excellence (weight = 8) – official transcript of the academic curriculum
 - Coherence of the previous training with the Program Curriculum (weight = 6)
 - University of origin (weight = 4)
 - Motivation letter (statement of purpose) (weight = 4)
 - Letters of recommendation (weight = 4)
 - Essay on nano-engineering (3-4 written pages) (weight = 4)
 - English language skills: minimum B2 level (according to CEFR standards: <https://tracktest.eu/english-levels-cefr/>) is required as the eligibility condition
3. Two recommendation letters are required.
4. Results of rankings are communicated to the applicants by e-mail.
5. Once received the official approval of the Selection list by the European Committee, official letters of admission are sent by e-mail and by Air Mail (with original signature of the Coordinator) to the selected students with their mobility scheme for Year 1 and all necessary information for starting their VISA application.
6. The final list of the selected students, approved by the European Committee will be accepted by the partner Universities. For each student the Aix-Marseille University verifies the validity of the diploma that allows enrolment in the master degree course in Chemical Nano-Engineering.

Article 9 – Funding distribution and use

1. The Executive Agency EACEA (Education, Audio-visual and Culture Executive Agency) acting under powers delegated from the European Commission, is funding the Consortium on the date given in the grant agreement. The funds are paid to the Coordinating Institution, and can be summarized as follows:
 - Contribution to the management costs: 20,000 € (twenty thousand Euros) for the preparatory year and annual flat rate of 50,000 € (fifty thousand Euros) for each uptake (4 times). This sum also covers the cost of invited scholars;
 - The participation costs are used to pay any costs related to the program and compulsory mobility (including tuition fees, full medical insurance and cultural integration);
 - Grants: scholarships within the Erasmus Mundus programme are allocated and paid directly to students effectively involved in the CNE mobility programme.
2. A part of the participation costs is distributed among the Partners, including the Coordinating Institution, on February 15th of each year (2022, 2023, 2024 and 2025), to cover local tuition fees, all expenses related to the organization of the Partner's teaching capacity to meet the criteria and standards of excellence set by the EMJMD selection and student cultural integration. EMJMD scholarship holders are enrolled in each Programme country university without paying directly the tuition fees (= zero tuition fees). An amount equivalent to the enrolment fees paid to be enrolled in a Master degree programme at each European partner university is deducted from the participation costs paid by EU for each EMJMD scholarship holder, in accordance with the grant agreement.

3. Each Partner University (in Wroclaw, Rome and Marseille) shall receive a flat rate of 34,000 € per intake to cover the running costs related to CNE programme, as defined in the previous paragraph and for local insurances and cultural integration (see [Appendix II: Budget, Part 1, Pos. 1-3](#), paid on February 15 in 2022, 2023, 2024, and 2025, see [Appendix IV](#)). These sums may be reduced if some scholarships will not be distributed.
4. If an enrolled student fails to participate in CNE programme (either in whole or in part) and he/she is not replaced by another student, the scholarship can be put on hold if the student has to temporarily leave the EMJMD course following duly justified and well documented reasons. If an EMJMD scholarship holder is not able to finish the course activities within the respective student intake due to the above-mentioned reasons, then the consortium has to find acceptable ways to allow the student to finish the Master within one of the following intakes. The above-mentioned situation may change the distribution of the participation costs.
5. The final reports required by the EACEA are prepared for informational purpose only on the basis of the total amount of the scholarships distributed. The required document is the list of students and the numbers of months the scholarships have been paid. No detailed information on other expenses is required.
6. Changes in the participation cost distribution must be accepted by CNE Consortium Committee.
7. The lump sum contribution to the consortium management costs and costs for invited scholars and guest lecturers (are used to cover the amount expenses resulting from the organization and the logistic of the CNE Consortium activity: management, communication, organisation of specific events (integration week, graduation). Each partner (Wroclaw, Rome and Marseille) will receive 7,500 € for each uptake (paid on October 15 in 2021, 2022, 2023 and 2024 see [Appendix IV](#)) to cover Partner staff costs (selection, Master Thesis Defence, consortium meetings, Summer School) mobility (see [Appendix II: Budget, Part B, Pos. 3,5](#)) and local expenses related to the Invited Scholars visits (see [Appendix II: Budget, Part B, Pos. 2](#)).
8. The organization of the Summer School will be managed by the Polish Partner: Wroclaw University of Science and Technology. The Consortium will nominate the Summer School Director. The Wroclaw University of Science and Technology as the Summer School organizer shall receive a flat rate of 25,000 € for the School organization. This sum will be paid on March 15 in 2022, 2023, 2024 and 2025 year, see [Appendix IV](#).
9. Bank account information: The Coordinating Institution shall transfer the funds to the following bank account:

The Wroclaw University of Science and Technology: the bank account in the SANTANDER BANK POLSKA SA, Oddział 33 we Wrocławiu Wroclaw, Poland with IBAN: PL91 1090 2402 0000 0006 1000 0626 and BIC WBKPPLPP

The University of Rome Tor Vergata: the bank account in the UNICREDIT SPA, Via Cracovia, 50, 00133 Roma, Italia with IBAN IT26X0200805168000400695175 and BIC SWIFT number UNCRITM1B45

The Aix-Marseille University: the bank account is the TRESOR PUBLIC, IBAN number FR76 1007 1130 0000 0010 2006 780 and BIC number TRPUFRP1

Article 10 – Selection and engagement of scholars/guest lecturers

The invited scholars/guest lecturers come mainly from the Partner institutions (including Associated Partners), but they might also be from non-educational institutions or other universities outside the

consortium. Each semester, 2 invited scholars are teaching within the module 1 “Foundations in Chemistry and in Nano-science”.

The main objective of invited scholar’s teaching activity is to provide the current state-of-the-art knowledge of nano-engineering progress. As nano-engineering is a very dynamic field of activity, the Consortium is committed to keep up with the newest trends mainly through the inviting scholars’ support. The selection criteria are based on the scientific achievements made in this field, the excellent performance of proposed teaching materials and the ability to ensure in English an interesting presentation, the enthusiasm and interest in innovative teaching methods.

A minimum of 4 invited scholars/guest lecturers are scheduled for a minimum of 8-week training program corresponding to each intake of new students.

Each invited scholar receives scholarship, which covers the costs of travel, accommodation, subsistence and other expenses related to their visit. The Coordinating Institution (Aix-Marseille University) will grant the scholarship for each training week spent at any Partner University. The amount of the scholarship is fixed at 2,000 € for the first week of the visit if the scholar is coming from any country outside of Europe, and at 1,500 € for the first week of the visit if the scholar is coming from any European countries. The scholarship of 1,000 €/week is to be granted for each following week of the scholar’s visit. These amounts can be modified by a decision of the CNE Consortium Committee if the situation justifies it.

The reception of staff will be subject to the conclusion of an individual agreement determining the duration, the modalities of the reception of the individuals concerned, as well as the financial conditions attached to the reception.

Article 11 – Master thesis

Master thesis are results of the research project carried out by a student during the fourth semester of the Master program. A Master thesis subject may be proposed by all the partners (including Associated Partners). A certain number of subjects are also provided by the Industrial Partners. The specific quotas are defined by the Consortium Committee. The Master thesis directly related to cooperation projects and having potential industrial applications are strongly encouraged and are preferred by the Consortium. The list of the Master Thesis subject must be accepted by the Pedagogical Committee of the Consortium.

The defences of the Master Thesis are public and take place in September. The Master Thesis defence organization is ensured by the Aix-Marseille Coordinator. The CNE defence committee (jury) contains 2-3 academic teachers from each European Partner and some teachers from associated partners. The students from the cohort “n” and “n+2” meet in groups during the integration week, in which the Master Thesis defences are organized. This is an opportunity for the new students to see “future graduate students” in action.

As the payment of EMJMD scholarship covers a period of 2 years (until the end of August), the student preparing the Master thesis defence in September shall not receive any grant for extra months, after the end of August.

The Master thesis defense consists of a public oral presentation of 30 minutes, including questions, before the jury.

Article 12 – The welcome integration week

The welcome integration week in Marseille plays an important role to initiate the integration of the students. It is designed to give more academic information about the EMJMD Partners, mobility

schemes, registration procedures, course contents and language course. This initial welcome week allow students to acquire an awareness of the European heritage and culture.

During the welcome integration week, important issues regarding their working environment are presented:

1. The CNE programme and the mobility pathways, the transfer between the 3 universities, the role of the Summer School and the Associated Partners
2. The differences between the learning environments proposed by the 3 Partner universities
3. The student's rights and duties (included presentation and signature of the Student Agreement)
4. The current perspective and the correlation between the field of studies and its related jobs in this area.

The participation of associated partners is considered as an adequate complement to the course content and activities. The associated partners and external stakeholders, such as representatives of embassies, alumni association or industrial actors from European and non-European countries, have the opportunity to participate on this special occasion to develop collaborative links with the CNE programme (internship offers).

Article 13 – The Summer School

The Summer School is an important part of the master programme to enhance an effective integration with professional environment. The Summer School is organized by the Polish Partner, Wroclaw University of Science and Technology, with an organizing committee made by colleagues from the main Partners. Each Summer School have a Scientific Director proposed by the coordinator and accepted by the Consortium. It takes place on June-July. It is financed by the Participation costs from the EU budget. A flat rate of 25,000.00 €/year for the School organization is transferred to the Partner who is in charge of the organization (in February of the year when the School is organized).

The Summer School allows the students to be in close contact with invited scholars, guest lecturers and researchers from industrial labs. It is a good opportunity to get in touch with experts from the field of nano-chemical engineering (guests from the companies to talk about the future plans concerning internship and employment). All Associated Partners are invited to provide speakers for Summer Schools.

Article 14 – Alumni network

Networking is a current reality. An "Alumni" account is created to set up an educational network between selected students in CNE programme and graduates. It considerably facilitates interconnections of the students (strengthening of social networks). They would be able to share their views related to the programme. All associated partners are able to take part in, in particular industrial partners which can identify a representative who will be actively present in the network. The networking can be exceptionally used for study purpose (if justified, especially for the long-distance communication).

Article 15 – Student issues and services to the students

1. A student online handbook is promoted together with an alumni association that will provide information/services to the incoming students.
2. Students with special needs will receive a specific assistance for lecture note and for exam organization (longer time given to them, depending of their disabilities). Each University of CNE Master program has a dedicated office for students with special needs. These offices coordinate, monitor and support all activities aimed at facilitating the integration into the University environment (Rome:

<http://caris.uniroma2.it/> Marseille: <http://sciences.univ-amu.fr/bureau-vie-etudiante-mission-handicap>
Wroclaw: <http://pwr.edu.pl/en/students/handling-difficult-situations>)

3. Before the arrival of students to Europe, the administrative coordinator of Aix-Marseille University sends to the students' e-mails a detailed guide containing all useful practical information "from airport to classroom" itinerary with information (map of the campus and its neighbourhoods, the names and mobile phone numbers of the teachers responsible for the courses, the location and the program of the welcome meeting). All this information is also available on the CNE web site.
4. Each Partner provides students with the complete schedule of courses and exams at the very beginning of the term. A special cultural program is offered to the student in each country.
5. The arrival of students is scheduled at least one week before the courses start to take an active part at the welcome integration week in Marseille. After the registration in Marseille, all documents are forwarded to the two partner universities for registration in their own institution. The students are simultaneously registered in the three universities for the entire duration of the Master program, according to their mobility scheme.
6. All partners provide service and information to the students:

In Marseille (<http://ww.crous-aix-marseille.fr/international/accomodation/>)
In Rome (<http://ing.uniroma2.it/area-studenti/segreteria-studenti>)
In Wroclaw (<http://dwm.pwr.edu.pl/studenci/program-erasmus-plus>)
7. The university libraries are free of charge in the 3 Partner Universities, including data banks and internet resources, such as Web of Science, Scopus etc. In Rome, the Science and Engineering Libraries are both available. The relevant web site is: <http://ingegneria.biblio.uniroma2.it>. In Marseille, the university library web site is: <http://www.univ-amu.fr/fr/bibliotheques>. There are libraries on all major campuses, including St Jérôme and St Charles. In Wroclaw, there is a Centre for Scientific and Technical Information, which supports teaching and research at Wroclaw University of Technology. It functions both as a scientific and technical information Centre and as a public scientific library (<http://biblioteka.pwr.edu.pl/en/>).
8. Rooms dedicated for student studies are available throughout the Partner Universities. In Marseille, the students will be lodged in the University Residence. In Wroclaw, 9 student dormitories are located within easy walking distance from the campus. In Rome, the students can be accommodated in the university residence campus X.
9. Language courses are offered free of charge to the enrolled students. In Marseille, lectures are organized in English by the University. 18 hours/term are offered by the International relations Office to students, who need remedial courses in French. The courses are provided for free to students by the SUFLE (Service Universitaire de Français Langue étrangère). In Rome, classes in English and in Italian are given by the CLA (Centro Linguistico di Ateneo) and CLICI (Italian Culture and Language Center). In Wroclaw, the language courses are provided by The Department of Foreign Languages (Stodium Języków Obcych).
10. Local bank accounts are open at Marseille for the students who need it. It is organized by the staff of Aix-Marseille University, through the local initiative facility "guichet unique" which is a unique portal, set up by the International Relations Office. Its aim is to considerably simplify the administrative obligations of international students.
11. The medical and accident insurance is included in the participation costs. The insurance provides protection for:
 - risks such as illness, accident, death, permanent disability, third-party liability,
 - worldwide travel required for the participation in the EMJMD program,
 - mobility periods in both program and partner countries.

All of these elements are covered through a global insurance contract with an insurance company. The payment is ensured globally for the whole class during a two-year period coverage. The bank transfer is made from the Coordinating institution to the Insurance Company.

12. The students will have an option to sign-in into local national medical insurance.
13. Resolution of complaints and appeals will be analysed by the Consortium Committee, in connection with the competent bodies in charge of these issues in the universities concerned.

Article 16 – Joint Assessment methods of students' performance

The evaluation procedures of the CNE master courses are set out as follows:

1. Examinations take place at the end of each semester. These examinations are organized at the local level, according to the local evaluation rules.
2. Each module is graded according to local University regulations (in France: 0 - 20 scale, in Italy: 0-30 scale, in Poland: 2-5,5 scale)
3. Each University defines the pass grade
4. Examinations for semesters S1, S2, S3 are organized through written/oral exams, reports on lab-works, reports on the projects and oral presentations
5. If the student does not pass a semester, a retake session can be organized for winter semester: during the spring semester, for spring Semester between June and September.
6. The grades received by a student are forwarded to the local coordinator, who in turn informs the other partners.
7. Each university, if required, makes the translation of the grades into the local scale, using the conversion of grades table (see Appendix VI) as a guide.
8. Additional discussion about results is being held during the two biannual meetings of the Pedagogical Committee. The Pedagogical Committee involves representatives of each Institution. They are in charge of the final validation of the grades.
9. Students have the possibility to discuss with the teaching staff about their assessments and grades obtained during the three first semesters.

Article 17 – Promotion and dissemination of the Chemical NanoEngineering Master Program

1. The website of CNE Master programme provides all information about the Master course: admission criteria, information about funding and scholarships, objectives of the master, detailed contents of each course, evaluation criteria.
2. The non-educational actors play also an important role in the Master Program implementation. The program is an attempt of a new approach to the science-engineering educational methodology that gives priority to the interaction with non-educational (industrial) partners in the development of the programme.
3. The use of the networks of collaborations and colleagues can contribute to the promotion of the Master programme. External advertisement at the national and international level can also insure the selection and recruitment of the best students.

Article 18 – Sustainability

1. The participation in the management and evaluation of the chemical nano-engineering Master studies has to be built on a sustainable model to continue after the end of the initial program.

2. The chemical nano-engineering Master will be presented by all Full Partners to the important companies in the field of nano-engineering throughout its existence to be able to create privileged relations with non-educational actors.
3. Financial support possibilities are actively investigated during the coming years to increase the number of additional scholarships. The Consortium Committee defines the sources of possible support and the strategy to solicit them

General funding: the possibility to establish a foundation, which can actively collect funds for the realization of the project objectives and the possibility to be the beneficiary of the "apprenticeship Training Tax Credit" (taxe d'apprentissage) to collect cash money from companies, which choose to put their tax at the disposal of the CNE Master program

Direct scholarship: various funding sources may be called upon:

- from partner institutions,
- from regions for local students, who would like to apply to EMJMD program,
- from the network of Embassies (ex. Campus France) and a variety of bodies,
- from self-funding students,
- from research proposals including a certain number of scholarships for graduate students,
- from a research network included the participation of universities and industrial partners.

Article 19 – Intellectual property

19.1 Own Property rights

Each Party keeps the full and whole ownership property of their own property rights.

19.2 New Property rights belonging to one Party

The new Property rights are the property of the Party, which has carried out alone the work resulting from it. The possible new patents arising from it are filed in the Party's name and cost and at its own initiative.

19.3. Common new Property rights

19.3.1 Principles of ownership

In the case where new property rights result from staff work of two or several Parties, in such way that they cannot be separated, these new common property rights are the co-ownership of these Parties, referred to hereinafter as "joint owners" in proportion to their substantive intellectual, human, material and financial inputs, unless the contracting Parties decide in agreement with the other Party (ies), on the transfer of ownership of one of them.

In the case of new property rights resulting from the work performed in a common research structure without legal entity, i.e. joint research unit (UMR), evolving research training (FRE), which is composed of several Parties, they are considered as owned by the parties participating in the research structures on a pro-rate basis, taking into consideration their intellectual, human, material and financial inputs.

In the case of common new property rights achieved by the staff from at least two research units, the ownership of new common property rights shall be shared among the Parties supervising the two research units on a pro-rate basis, taking into consideration their intellectual, human, material and financial inputs, given the fact that within each research structure, the Parties composing the research structure mutually agree to share the intellectual property rights, in the framework of an agreement.

Any common new Property rights consisting in a new patent, software or new knowledge protected by intellectual property rights is subject to co-ownership regulations, which are established by the co-ownership Parties, as soon as needed and in any case before industrial and/or commercial exploitation.

19.3.2 Common patentable new Property rights

The co-ownership Parties of joint patentable new property rights decide whether a patent application should be filed on behalf and in the name of the Parties. They shall appoint amongst them a coordinator authorised to carry out the formalities for acquiring patents and keeping them in force.

If one of the co-ownership Parties refrains from applying for a patent or from keeping on the new patents in force in its own country or abroad, the Party shall give notice to the other co-ownership Parties sufficiently in advance to allow them to obtain patents in their names, to proceed with the grant of the patents and keeping them in force at their own costs and to their own profit. The Party, which has renounced its rights, commits itself to sign every legal document necessary to allow the co-ownership parties to become the only co-owners of the new patent (s) in the country (ies) concerned.

It is understood that the Party, which has renounced its rights may not be entitled to receive remuneration for the operational use of the new patent (s) concerned in the country (ies) in question.

The Parties will agree upon the details in a separate agreement. Each co-ownership Party manages individually the possible remuneration for the inventors.

Any new Property rights created or developed by a student under this programme is the Property of the student. If any of these property rights are relevant within the framework of this Agreement, the Partners must make every effort to obtain from the student the specific right. If the student takes part in creating new intellectual property rights, the partners undertake to make every effort to obtain the rights from the student.

Article 20 – Confidentiality

1. All information, disclosed in whatever form and by whatever mode of transmission, which is disclosed by a Party (the “**Disclosing Party**”) to the other Party (the “**Recipient**”) in connection with this Agreement and which is explicitly marked as “confidential”, or when disclosed orally, is identified as confidential at the time of disclosure and has been confirmed and designated in writing by the Disclosing party as confidential within fifteen (15) days thereof, or which of its nature can reasonably be considered to be confidential or proprietary to the Disclosing Party shall be “**Confidential Information**”.
2. Without prejudice to any commitment of non-disclosure under the Consortium Agreement, the Parties hereby undertake, throughout the Term, and for a period of five (5) years thereafter, the following:
 - (a) not to use Confidential Information otherwise than for the purpose for which it was disclosed;
 - (b) not to disclose Confidential Information to any third party without the prior written consent by the Disclosing Party;
 - (c) to ensure that internal distribution of Confidential Information by a Recipient shall take place on a strict need-to-know basis; and
 - (d) to return to the Disclosing Party on demand all Confidential Information which has been supplied to or acquired by the Recipients including all copies thereof and to delete all information stored in a machine readable form; provided that if so needed for the recording of ongoing obligations, the Recipient may however request to keep a copy for archival purposes only.
3. The Parties shall be responsible for the fulfilment of the above obligations on the part of their employees, officers and advisors (“**Personnel**”) and shall ensure that their Personnel remain so obliged, as far as reasonably possible, during and after the end of the Term and, or after the termination of their given employment or engagement, for the period stipulated in clause 6.2.

4. The provisions of clauses 20.2 and 20.3 shall not apply to the disclosure or use of Confidential Information, if and in so far as the Recipient can show that:
 - (a) the Confidential Information becomes publicly available by means other than a breach of the Recipient's confidentiality obligations;
 - (b) the Disclosing Party subsequently informs the Recipient that the Confidential Information is no longer confidential;
 - (c) the Confidential Information is communicated to the Recipient without any obligation of confidentiality by a third party who is in lawful possession thereof and under no obligation of confidentiality to the Disclosing Party;
 - (d) the disclosure or communication of the Confidential Information is foreseen by provisions of the Grant Agreement;
 - (e) the Confidential Information, at any time, was developed by the Recipient completely independently of any such disclosure by the Disclosing Party;
 - (f) the Confidential Information was already known to the Recipient prior to disclosure; or
 - (g) the Recipient is required by law, or by means of a court or administrative order, to disclose the Confidential information.
5. The Recipient shall apply the same degree of care with regards to the Confidential Information disclosed within the scope of the Project as with its own confidential and, or proprietary information, but in no case less than reasonable care.
6. Each Party shall promptly advise the other Party in writing of any unauthorised disclosure, misappropriation or misuse by any person of Confidential Information of the Other Party as soon as practicable after it becomes aware of such unauthorised disclosure, misappropriation or misuse.
7. If any Party becomes aware that it will be required, or is likely to be required, to disclose Confidential Information in order to comply with applicable laws or regulations or with a court or administrative order, it shall, to the extent it is lawfully able to do so, prior to any such disclosure, notify the Disclosing Party thereof by means of a formal notice and shall comply with the Disclosing Party's reasonable instructions to protect the confidentiality of the information.
8. The confidentiality obligations under this Agreement shall not prevent the fulfilment of the Parties' obligations under the Consortium Agreement.

Article 21 – 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 towards the Coordinating Institution for any breach or non-compliance. 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 regarding its involved staff herein.

Article 22 – General Terms

1. All parties are subject to the rules and regulations set up by the Education Audiovisual and Culture Executive Agency (EACEA) in the agreements mentioned above regarding both the responsibilities towards the EACEA and towards other parties to this agreement.
2. All parties are subject to the rules and regulations set up in each country, in particular, visa and long-term regulations, insurance regulations (medical coverage, accident, civil liability and repatriation).
3. All parties are subject to the rules and regulations set up in each Partner University, in particular, with respect to any modifications of the program and any situation of disciplinary or complaints problem.

Article 23 – 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 and be governed by French 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. If the Partners have not reached an agreement through amicable settlement, the court of the defendant's home residence shall act to resolve the dispute where the litigation is registered.
2. The CNE student is bound to the rules and regulations from the Institutes / institutions at which she/he is enrolled.

Article 24 – Signature and Entry into Force

1. The present Agreement shall be signed in three originals by the legal representative of each Partner of the Consortium. This agreement shall come into force on the day it has been signed by each of the parties but shall have retroactive effect from the date of decision of acceptance from the EACEA.
2. The local coordinators bear responsibility toward the Consortium for the validity of the signature of their university's legal representative. Each local coordinator shall keep one original for the records of the Partner. Every amendment to this Agreement shall be signed in three originals by each Partner's legal representative for endorsement. Each local coordinator shall retain one original of every Partner's endorsement. The original endorsement shall be attached to each original of the present Agreement together with a copy of the EACEA's decision to approve the amendment.

Article 25 – Exceptional Health Measures

1. The Parties undertake to respect the sanitary measures prescribed by the host institution or any other competent authority.
2. Either Party may suspend this Agreement, totally or partially, for any reason related to public health issues that prevent the total or partial execution of this Agreement or that would not allow its execution under the required health conditions.