

Resolution by the Vice-Chancellor of the University of Murcia, R-966/2022, of 18 July, 2022, approving the regulations and announcement for Post-doctoral Contracts within the framework of the project “ThinkInAzul” within the Complementary Marine Sciences Plan.

The University of Murcia (UMU) is implementing a joint research and innovation programme and strategy on Marine Sciences under the project title of ThinkInAzul. The objective of the project is to address new marine and coastal environment monitoring and observation challenges, climate change, aquaculture and other sectors of the blue economy in a sustainable way.

The aforementioned project is encompassed within the Complementary Marine Sciences, financed by the component 17 of the Recovery, Transformation and Resilience Plan from the European Union and headed up by the University of Murcia, which involves five autonomous regions in Spain (Andalusia, Cantabria, Region of Valencia, Galicia and Region of Murcia). It is committed to integrating and promoting all marine research in these regions with the general goal of creating a network of centres of excellence to address the challenges of marine research, aquaculture, new technologies, impact on the marine environment and the blue economy in a cooperative manner.

For correct implementation of this project, attracting doctors in their final stages of research training or who have completed their training will be necessary, who by joining the Research Groups at the University of Murcia, and having accredited their qualifications in scientific excellence, wish to carry out research in the areas identified in the Complementary Marine Science Plan financed by RRM funds and the general budget of the Autonomous Region of Murcia.

In view of the foregoing, I HEREBY RESOLVE

To approve the regulations and to publish this announcement of post-doctoral contracts within the Complementary Marine Science Plan.

This resolution shall come into force on the day it is fully published in the National Subsidy Database (BDNS), and shall likewise be published on the Euraxess Portal.

The announcement will be governed by the provisions established in the following application requirements.

APPLICATION REQUIREMENTS

ONE. SCOPE AND GENERAL RULES. CONTRACTING BODY.

1. An announcement is made for the awarding of five (5) post-doctoral contracts, which shall be governed by the provisions established in the following laws:
 - Organic Law 6/2001, of 21st December on Universities.
 - Law 38/2003, of 17th November, on General Subsidies.
 - Law 14/2011 of 1st June, on Science, Technology and Innovation.
 - Law 39/2015 of 1st October, on the Common Administrative Procedure of the Public Administration.
 - Law 40/2015 of 1st October, on the Legal Regime of the Public Sector.
 - Royal Legislative Decree 2/2015, of 23rd October, approving the amended text of the Workers' Statutes Law.
 - Royal Decree / law 32/2021 of 28th December, on urgent measures for labour reform, the guarantee of job stability and transformation of the job market.

- Statutes of the University of Murcia approved by Decree 85/2004 of 27th August, by the Regional Government of the Autonomous Community of the Region of Murcia.
 - II Collective Labour Agreement for Education and Research Personnel, Labour Contracting by Public Universities in the Region of Murcia of 1st January 2016.
 - Instructions in the Economic / Budget Regime of the University of Murcia, that are valid when this announcement comes into force.
2. Likewise, a maximum of twenty thousand Euros (€20,000) per contract shall be granted for the undertaking of the research project submitted in the application for implementation.
 3. The Contracting Body is the Vice-Chancellor of the University of Murcia, regardless of any delegation of competences in favour of the Vice-dean with competences in research; of the functions pertaining to the Research Department and the Human Resources and General Services Departments at the University of Murcia, or any action by the contracting committee during the selection process in accordance with Rule thirteen.

TWO. ELIGIBILITY REQUIREMENTS FOR THE SELECTION PROCESS.

1. In order to be eligible for the selection process, interested persons must meet the following requirements:
 - a. Be a Spanish national or national of a Member State of the European Union or a national of a State holding an international treaty with the European Union and duly ratified by Spain in regard to free circulation of workers under the terms established in the Treaties of the European Union.

Persons of any nationality, the spouse of Spanish nationals or spouses of nationals of other Member States of the European Union may also take part in the process providing that they are not legally separated, and also their descendants and those of their spouses, providing that they are not legally separated, and providing that they are under twenty-one years old, or over that age if they are dependent on their parents.

Likewise, foreigners not included in the preceding paragraphs may take part who are legally in Spain, holders of documents permitting legal residence in Spain and unrestricted access to the job market, or, if they are not in Spain, who meet the conditions to obtain the said documents.

In any event, the provisions of Organic Law 4/2000 of 11th January shall apply, on the rights and freedoms of foreigners in Spain and their social integration, and Royal Decree 557/2011 of 20th April, approving the implementation regulations of Organic Law 4/2000 of 11th January.

- b. Be aged sixteen years or older, and not exceeding the maximum compulsory retirement age.
- c. Have the functional capability to carry out the tasks.
- d. Have sufficient command of the Spanish language to carry out the assigned research work.
- e. Not have been dismissed from any Public Administration service through disciplinary proceedings, nor have been disqualified from exercising public functions. In the case of nationals from other Member States of the European Union and nationals from other States holding an international treaty with the European Union and duly ratified by Spain in regard to free circulation of workers under the terms established in the Treaties of the European Union, they must not have been subjected to disciplinary sanctions or sentenced by a criminal court preventing them from exercising public functions in the State.

- f. Acceptance by the University of Murcia Research Group which the successful applicant will join in the event of being awarded one of these contracts. (Annex V).
2. Meeting the requirements established in this rule and in Rule Three must refer to the deadline date for submitting applications.

THREE. DOCUMENTS ACCREDITING FULFILMENT OF THE ELIGIBILITY REQUIREMENTS DESCRIBED IN RULE TWO.

1. The eligibility requirements defined in Rule Two must be accredited by furnishing the following documents:
 - a. The nationality requirement will be verified:
 - i. In accordance with Article 28 of Law 39/2015 of 1st October, on Common Administration Procedures of the Public Administration. Consent by the candidate shall be construed as having been granted in favour of the University of Murcia for the obtaining of National ID Card data, unless specifically stated otherwise in the application, in which case a copy of the said document must be supplied.
 - ii. In the case of nationals of other Member States of the European Union other than Spain, or from other States holding an international treaty with the European Union, duly ratified by Spain in regard to free circulation of workers under the terms established in the Treaties of the European Union, nationality must be accredited by furnishing a copy of the applicant's passport, Spanish Foreigner's ID Card, or any other document from the candidate's country of origin that is in force and with effects similar to a Spanish ID Card.
 - iii. Any persons, of any nationality, whose spouse is a holder of Spanish nationality or who is a national of another Member State of the European Union, providing that they are not legally separated, or descendants of such persons or their spouses, likewise providing they are not legally separated, who are under twenty-one years old or over that age and dependent on their parents, must accredit their identity by means of a copy of their official identity document (passport or equivalent ID Card), or a Spanish Foreigner's ID Card, accompanied by an affidavit stating such relationship and the associated requirements (being financially dependent on the national person of the other member state where the relationship is; and where applicable non-existence of legal separation, etc.)
 - iv. In the case of non-Spanish nationals who are not included in any of the cases in the preceding numbers, but who are legally in Spain or may be eligible for a post-doctoral contract in accordance with the provisions of immigration laws, a copy of their National ID Card must be supplied, and where applicable, the other administrative documents accrediting eligibility to reside in Spain and unlimited access to the Spanish job market, or the legally required documents according to the regulations of immigration law, where applicable.

In any of the cases envisaged in letter "a" above, the applicant must furnish an office copy of the required documents. In the event of finally being assigned the contract, the contracting body will request the original or duly authenticated documents that are not already held at the University of Murcia, or which the University does not have access to in view of consent by the interested party. The said documents must be furnished within the deadline established for that purpose, and shall be a conditioning factor for the signing of the contract. If the required documents are not submitted within the deadline, or do not sufficiently accredit the required items, a ten (10) day correction period will be granted, under warning that if the omission is not corrected within this

period, the candidate waives the contract and the proposal for contracting will be rendered null and void.

- b. The age requirement will not need any other justification than the official identity document, providing that the person's date of birth is stated on it.
- c. The requirement of functional capability will not need to be accredited when submitting the application. The selected persons must furnish a medical certificate issued by a doctor providing services at the National Health Service, as a necessary condition to sign the contract. The deadline for furnishing the medical certificate will be established by the contracting body under warning that failing to furnish the certificate within the deadline or if there are circumstances that prevent functional capability in the medicate report, the candidate shall withdraw and waive the contract, rendering his/her proposal for contracting null and void.
- d. In the case of candidates who are assigned the contract after the initial resolution, the contracting body will be entitled to carry out any relevant checks or may require the interested parties to furnish accrediting documents within a deadline established for this purpose, under the warning that if they fail to do so, or if the documents do not sufficiently accredit the facts, or if this leads to the impossibility of signing the contract, it shall be construed that the candidate waives the contract rendering the contracting proposal null and void.

FOUR. PARTICIPATION FORM. PRESENTATION.

1. Applications for participation in the process shall be submitted through the University of Murcia On-line Registry, via "Basic Application", specifying the number, date and title of this resolution, which must be accompanied by the following documents in PDF format:
 - a) Candidate's Abbreviated Curriculum Vitae (ACV) in accordance with the standard ACV template of the Spanish Science and Technology Foundation (FECYT): <https://cvn.fecyt.es/editor/#HOME> (maximum of 4 pages).
 - b) Document describing the research project to be implemented in which the following items shall be stated: research line of the Plan for which the application is made and the title, budget and brief report. This is to be signed by the applicant and approved by the UMU Research Group that endorses the application (maximum 5 pages).
 - c) Affidavits in accordance with the templates contained in Annexes III and IV, duly signed, preferably by means of a verifiable electronic signature. (submitting the above in a single PDF document is recommended).
2. Applications, with the relevant documents may only be submitted by e-mail at posdocmarinas@um.es by foreigners who are unable to access the University of Murcia On-line Registry.

FIVE: COMMON RULES APPLICABLE TO RULES THREE, FOUR, FIVE AND SIX.

1. Regardless of any special rules that may be established in these rules, the following common rules will be applicable to any documents accrediting eligibility requirements or submitting applications:

- a. Any that are drafted in a language other than Castilian Spanish or English, must be accompanied with by official translation.
- b. They must be submitted in soft format, in accordance with the specific provisions of Rule Four.
- c. Registration must be verified within the deadline for submitting participation applications, regardless of the possibility of correcting shortcomings in accordance with these rules and the Law.
- d. The contracting body, or the contracting committee where applicable, may request candidates to furnish original documents or authenticated copies of any of the submitted documents during the selection process in order to verify their relevance and authenticity, under the warning of failing to furnish the required documents within the established deadline, which will be no less than five (5) working days, shall lead to exclusion from the selection process.
- e. The documents to be furnished within the established correction deadlines established in these rules, or as a requirement by the contracting body or contracting committee, shall be submitted through the University of Murcia On-line Registry, or may be e-mailed to posdocmarinas@um.es, in the case of applicants who are unable to access the aforementioned On-line Registry.

SIX. NUMBER AND SPECIFICATIONS OF THE CONTRACTS.

1. The announcement is made for five (5) post-doctoral contracts with the aim of increasing the number of qualified doctors within the Complementary Marine Sciences action Plan, as per the following distribution criteria:
 - 2 x L1 line contracts, "Observation and monitoring of the marine and coastal environment."
 - 2 x L2 line contracts, "Sustainable, smart and precision aquaculture".
 - 1 x L3 line contract "Blue Economy: Innovation and opportunities".
2. Relations with the University of Murcia will be by means of formalising a labour contract in accordance with currently applicable legislation.
3. Likewise, each successful applicant will be granted up to the maximum amount of twenty thousand Euros (€20,000) for implementation of the submitted research project: the project report must include a section on the budget, stating in detail the cost items required to carry out the project. This amount will be made available to the beneficiary at the start of the contract, and costs may be allocated throughout the validity period of the grant.
4. In the event of an insufficient number of applicants applying for these posts, or if the applicants do not have the minimum qualifications required to pass the selection process in accordance with rule seventeen, the relevant contracts may be declared vacant.
5. No more than one successful applicant may be assigned per Research Group.
6. Each contract shall be for the minimum duration of one (1) year, and may be renewed until 31/12/2024.
7. Each contract shall be entered into in writing between the post-doctoral researcher, as employee, and the University of Murcia as employer.
8. These posts will be full time.

9. In view of the post-doctoral contract, the contracted researcher shall be contractually bound to the University of Murcia and the obligations stemming therefrom. During the contractual period, the research personnel, and where applicable the University of Murcia, shall be entitled to all the working and social benefits inherent to the undersigned work contract.
10. Any temporary absences from the site must be previously authorised by the competent Vice-Dean of research, who may compile any reports deemed appropriate concerning this matter. In regard to the above, the interested party must submit a well-founded application, which must be submitted with sufficient notice for processing, no less than fifteen (15) days before the start of the intended absence.

Absences subject to authorisation will only be those whose direct purpose is justifiably related to the post-doctoral contract, and consequently a detailed report of the activities to be carried out during the absence must be submitted with the application.

11. In view of their service labour relations, holders of post-doctoral contracts are subject to the disciplinary regime provided for in the 2nd Collective Professor and Research Staff Agreement for Public Universities in the Region of Murcia of 1st January 2016.

SEVEN. FUNDING CONDITIONS

The University of Murcia shall defray the full contracting costs and the amount awarded for implementation of the proposed research project, charged to the ThinkInAzul Project Budget, for a total amount of 388 208,00 euros (€388,208) depending on the budget availability, in accordance with the following breakdown:

- **Actuation line 1:** Observation and monitorization of the marine and litoral environment.
 - Budget item: 08 002B 541A 64207 Project 37057, amount of 155 238 euros.
- **Actuation line 2:** Sustainable, smart and precision aquaculture.
 - Budget item: 08 002B 541A 64207 Project 37058, amount of 155 283 euros.
- **Actuation line 3:** Blue Economy: Innovation and opportunities.
 - Budget ítem: 08 002B 541A 64207 Project 37061, amount of 77 642 euros.

EIGHT. ENDOWMENT AND PAYMENT

In accordance with the provisions established in the Collective Work Agreement II for Teaching and Research Staff in Public Universities in the Region of Murcia, the labour costs of these contracts shall be comparable to those for “Doctor Type A” staff category, as provided for in the aforementioned collective agreement, which may include, depending of the beneficiary origins, a monthly payment up to 400 euros, in concept of mobility expenses and 300€ in concept of move of the family in charge.

NINE. APPLICATION DEADLINE.

1. The period for submitting applications for participation in the selection process shall commence at zero (0) hundred hours on the day following publication of the statement of this call in the Official State Gazette and shall remain open for a period of twenty (20) working days in the city of Murcia, ending at 23:59 hours (Spanish mainland time) on the final day.
2. All candidates shall be responsible for the truthfulness of the details contained in their applications and those stemming from any attached documents. Nevertheless, authentic documents may not be required in all cases. Concealing or bearing false testimony in regard to such details shall lead to exclusion from the selection process, on previously holding a meeting with the person within the deadline of five (5) days.
3. If having concealed documents or borne false witness is detected after signing the contract, disciplinary procedures will be initiated, and the contract may be terminated. If this is in relation to authentic documents submitted during the period following adjudication, and prior to signing the contract, the facts will be reported to the Public Ministry.
4. Only one application per applicant will be accepted at this call for applications. Any breach of this rule shall lead to disqualification of all the applications submitted by the same applicant.

TEN. ELIGIBILITY OF PARTICIPATION APPLICATIONS.

1. When the deadline for submitting applications ends, the contracting committee shall inspect the received applications through the Research Area.
2. Fulfilment of the eligibility requirements described in rule two will be duly verified, which may require corrections to the said applications.
3. After reviewing the applications and any corrections, the contracting committee shall then proceed to propose approval and publish a provisional list of eligible and excluded candidates to the contracting body. The causes for exclusion and whether or not the defect can be amended will also be published in the case of excluded candidates.
4. The Resolution will announce a period of ten (10) working days so that provisionally excluded candidates can amend any defects concerning their applications that are susceptible to amendment, under the warning that if they fail to do so, they will be permanently excluded.
5. After expiry of the aforementioned deadline, the contracting committee will propose the contracting body to approve and publish the final list of eligible and excluded candidates, once again stating the cause of exclusion in regard to the latter.
6. The Resolution approving the final list of candidates may not state exclusion causes that had not been previously itemised in the provisional Resolution of eligible and excluded candidates.
7. In the event of there not being any provisionally excluded candidates, the final Resolution of eligible candidates will be published. This will also be the case in the event of candidates who are excluded due to causes that are not subject to amendment.

ELEVEN. CONTRACTING COMMITTEE.

1. In the same Resolution publishing the final list of eligible and excluded candidates, the contracting body shall agree and publish the members of the contracting committee who shall carry out the assessment process.
2. The Contracting Committee shall be formed as follows, with the relevant amendments in regard to subsequent imperative rules, and shall consist of:

- a. The Vice-Dean with competences in research at the University of Murcia who shall act as president of the committee.
 - b. Six (6) members, with two being responsible for each of the three lines of action of the ThinkInAzul Project.
3. A public official belonging to the Research Area who shall perform the functions of Secretary.
4. Appointment of contracting committee members shall also include a list of substitute members, chosen by draw from among the members of the research teams in each of the lines of the aforementioned Plan. There will not be a substitute for the President, who will be substituted by the most senior committee member in public employment.
5. The Contracting Committee shall have an equal number of male and female PhD doctors.
6. For the purposes of communications and incidents, the Contracting Committee shall have its offices at the Vice-deanery with competences in research at the University of Murcia, Research Area (e-mail: posdocmarinas@um.es).
7. The members of the Contracting Committee must refrain from intervening on the Committee and shall report such to the Contracting Body, in the event of them meeting any of the provisions envisaged in Article 23 of Law 40/2015 of 1st October. They may be rejected by the candidates owing to the same causes at any time during the procedure and in accordance with the provisions established in Article 24 of the aforementioned Law. For these purposes, directing, co-directing or tutoring doctoral thesis by any of the candidates shall be considered to be direct interest.
8. Before the start of the selection procedure, where applicable the Contracting Body shall pass a Resolution, which will be published in the TOUM (University of Murcia Official Notice Board), appointing other members of the Contracting Committee who are to substitute those who were not eligible to act due to the causes envisaged in section 7. The new members of the Contracting Committee will be likewise appointed subject to the provisions established in section 7.
9. The Contracting Committee shall meet when called to do so by the President with mandatory attendance by the President, the Secretary and at least half of the committee members. Following constitution of the Contracting Committee there will be no substitution of the members by substitutes, either for specific meetings or permanently, except in the case of duly justified impossibility to act or due to a founded challenge following constitution of the Contracting Committee if any of these circumstances lead to a risk of non-quorum at subsequent meetings. In this case the Contracting Body shall appoint substitutes as required, which will be duly published in the TOUM, and they will be subject to abstention and challenge as provided for in point 7 above.
10. Following constitution of the Committee, and in order to be competent to act validly at subsequent meetings, a quorum will be required of at least half of the members, and necessarily attendance by the President and the Secretary. In the event of absence of the president or the secretary at certain meetings, the president will be substituted by the most senior member in public employment, and the least senior member in the public service shall act as secretary. In this case, the people who act as substitutes shall not be included in the quorum calculations for at least half of the Contracting Committee members, other than the President and Secretary.
11. Action by the Contracting Committee shall be in accordance with the provisions of Laws 39 and 40 of 1st October 2015 in regard to matters of procedure, in so far as they are applicable to public employment selection processes, and shall act as a body in correlative functions.

12. The functions of the Contracting Committee are as follows:

- a) To settle any doubts that may arise concerning the application of the rules governing the announcement, including these rules, and how best to proceed in regard to any matters not envisaged in the relevant documents.
 - b) To carry out the tasks assigned to them in accordance with this call for applications, particularly the items established in this rule and in rule thirteen.
13. The Contracting Committee may not propose that a higher number of candidates than available contracts have passed the selection process. Any approved candidate proposals that contravene the provisions established in this rule will be rendered null and void by law.
14. In the event of any administrative appeals against the rulings by the Contracting Committee that are susceptible to autonomous challenge, it is hereby informed that the next hierarchical level to the Contracting Committee is the Vice-Chancellor of the University of Murcia.

TWELVE. PUBLICATIONS

1. For the purposes envisaged in Article 45 of Law 39/2015 of 1st October, any subsequent communication in regard to this announcement to be officially notified to the interested parties must be officially published in an act or resolution on the Official Notice Board of the University of Murcia (TOUM) substituting personal notification and having the same legal effects.
2. In any event, this resolution shall be published in the National Subsidies Database.

THIRTEEN. ASSESSMENT OF CANDIDATES AND PROCEDURE RESOLUTION.

1. The candidate selection process will be carried out by means of a competitive process. Consequently, the scientific / technical assessment of the applications that are received will be carried out by a panel of prestigious scientists, external to the University of Murcia, who shall issue an individual report on each of the assessments of candidates they perform. The assessment criteria will be those defined in rule fourteen.

2. When all the assessments have been completed, the reports will be sent to the contracting committee, who, on the basis of the said reports, shall submit proposals to the contracting body to publish a list of assessed candidates in order of classification, by means of a resolution granting ten (10) calendar days for any allegations to be filed and shall contain a provisional proposal for contracting in favour of the selected candidates, also stating the amounts granted in each case for implementation of the proposed research project.
3. On expiry of the allegations period, and after studying any that are received, the contracting committee shall submit a final contracting proposal of the selected candidates to the contracting body, which will then be published. The final contracting proposal shall include all the candidates who were assessed in the selection process, ranked in order of classification, and the respective amounts assigned to implementation of the submitted research project. This proposal, in conjunction with any submitted allegations from the report on them by the Contracting Committee, and the complete files, shall be referred to the contracting body for the final decision to be made.
4. In either of these cases, failing to submit allegations within the provided deadlines shall be construed as provisional proposals becoming final proposals, which must be specifically stated in the provisional proposal.
5. The Contracting Committee may not propose contracting of a higher number of candidates than available contracts. Notwithstanding the above, the proposal must also include a list of substitute candidates, ranked in the relevant order and differentiated by lines of research in the Plan, in the event of there being any vacancies in the contracts envisaged in Rule Six. These candidates will be called for contracting in the event of any of the original candidates not eventually being contracted, either due to them rejecting such or other causes, and if they withdraw from the contract for any reason within the first six (6) months.
6. The contracting body shall pass the resolution in accordance with the Contracting Committee's proposal, unless any relevant allegations are observed, in which case the resolution will be passed on the grounds of law.
7. The final resolution on the procedures shall establish the deadline for the selected candidates to submit the relevant documents accrediting any matters that could be required in accordance with the rules of this announcement, and to sign the work contract establishing the date they are to start work. The aforementioned documents must be sent to the Human Resources and General Services Department of the University of Murcia.

FOURTEEN. CRITERIA APPLIED TO THE ASSESSMENT

The assessment of candidates will be verified in accordance with the following criteria:

A. Candidate's scientific / technical merits in the last five years:

A.1. Scientific / technical career and contribution by the candidate through published articles in indexed journals, books or chapters in scientific / technical books, participation or management of research projects and work presented at conferences in the relevant field of knowledge. Likewise, the international scope of the applicant's research activity will be taken into account, including mobility, time spent at international R&D&I centres, participation in international projects, participation as referee or editor in indexed international journals, etc.

Any activity regarding transference of research results shall also be valued, duly accredited through the undertaking of research under contacts subscribed in the framework of Article 83 of the Organic

Law on Universities (LOU), awarded patents or licences, entrepreneurial scientific activity, and in general any other relevant results related to candidates' scientific and technical activity or innovation.

Score: from 0 to 35 points.

A.2. The applicant's ability to lead his/her line of research, in accordance with his/her scientific/professional experience, and the independence of his/her career. This will be assessed through aspects such as the management of research work (directing trainee researchers, PhD theses, etc.), relevance and recognition of their line of research (invitations to international conferences, main speakers, awards, mentions and distinctions), ability to obtain resources and any other aspects that permit valuing merits related to the independence, relevance and leadership in the proposed line of research.

Score: from 0 to 10 points.

Total score of Section A: Maximum of 45 points

B. Proposal for research activity to be carried out at the University of Murcia:

The quality, originality and scientific / technical interest and innovative nature of the research project to be carried out and its objectives will be rated, the work plan and contribution by the proposal to achieving the results of the activities defined in the complementary plan, with special analysis of the ability to achieve the objectives within the validity period of the contract and to contribute to the milestones defined in the plan.

The assessment will also include an analysis of the budget submitted for implementation of the project, in regard to its suitability according to the proposed objectives.

The research proposal shall state how achieving the objectives and milestones identified in the relevant activity are to be achieved, and insofar as it is possible, how it will contribute to finding synergies with and contributions to other activities in the line of research, as per the Complementary Marine Sciences Plan.

Total score of Section B: Maximum of 40 points

C. Impact on the Complementary Marine Sciences Plan:

This section will assess how the project and the candidate will promote the lines of research and activities in the complementary plan, not only through the selected activity, but also in other activities contributing to achieving other milestones and additional results, and any possible synergies that could be established in relation to such.

Score: from 0 to 15 points.

Total score of Section C: Maximum of 15 points.

FIFTEEN. - MINIMUM SCORES REQUIRED TO PASS THE SELECTION PROCESS.

To successfully pass the assessment, a minimum score of 75 points must be obtained, and any applications with lower scores will be rejected. Furthermore, the individual score in each of the three sections (A, B and C) must be at least 50% of the maximum possible score in each section.

SIXTEEN. - SCOPE OF THE SCORES AND CRITERIA IN THE EVENT OF A DRAW.

1. In the event of a draw in scores following the overall selection process, and if this were to be decisive for contracting or priority on the waiting list, the following criteria shall apply:
 - a. The score obtained in Letter “A” of Rule Sixteen shall be considered first. If there were still to be a draw, the score resulting from letters B and C shall prevail in that order.
 - b. If the draw continues after application of the ruling criteria in the previous letters, the following rules shall apply:
 - i. If the draw were to be decisive for assigning a contract, the contract(s) shall be assigned in accordance with the priority established in alphabetic order of each candidate’s first or only surname, as per the Resolution of 9th May 2012 of the Secretary of State of Public Functions, by means of which the result of the draw shall be published as referred to in the General Regulation of Recruitment of Personnel at the Service of the State Administration.
 - ii. If the draw were to be decisive for assigning a position on the waiting list, the alphabetic order of the first or only surname of each candidate shall be taken, as established in subsection i above.

SEVENTEEN. OBLIGATIONS OF SUCCESSFUL CANDIDATES.

1. The successful candidates who are awarded work contracts will be bound by the following obligations, which must be fulfilled for effective contracting and commencement of work:
 - a. To submit the relevant documents to the Human Resources and General Services Department at the University of Murcia, in accordance with the chronological and substantive conditions envisaged in this announcement and in the final procedure resolution.
 - b. To undersign the work contract on the date, within the deadline or under the terms set forth in the final procedure resolution.
2. Failing to fulfil any of the aforementioned obligations in Section 1 shall be construed as a waiver of the assigned contract, unless it is due to justified causes of material impossibility not exceeding fifteen (15) days, in which case this must be duly reported to the Human Resources and General Services Department at the University of Murcia as soon as the situation is known, furnishing the relevant document accrediting the situation. In this case, an extension of the deadline for a prudential period may be granted.
3. After signing the work contract, the contracted post-doctoral personnel shall be bound by the following obligations:
 - a. To commence the research activity on the date, within the deadline or under the terms set forth in the final procedure resolution, or where applicable, set forth in the work contract. Failing to start at the moment set for this purpose, shall be construed as unilateral withdrawal from the contract, unless the cause is material impossibility to start due to temporary disability, maternity or paternity or other similar situations provided for in law.
 - b. Fulfilment of the legal regime governing the post-doctoral contract, in accordance with applicable regulations.
 - c. To join the UMU Research Group that endorsed the application.
 - d. During the contract validity period, the contracting committee may request interim reports to be delivered on the status of research for subsequent assessment, and in

the event of an unfavourable report being issued in view of the status, this may lead to termination of the research.

- e. In any event, the research tasks carried out by the contracted post-doctoral personnel must keep within the general instructions, and where applicable the specific instructions, issued by the competent bodies at the University of Murcia in regard to the technical aspects, safety and control. Likewise, the research must be in line with international principles and current regulations on bio-ethics, experiments with animals, bio-safety, chemical safety, protection of the environment, natural heritage and biodiversity, and data protection.

This foregoing resolution is to be published in the National Subsidies Database and on the Official Noticeboard of the University of Murcia, informing the interested parties that, in accordance with the provisions established in Chapter II of Title V of Law 39/2015 of 1st October, on the Common Administrative Procedure of the Public Administration, in Article 46 and concordant of Law 29/1998 of 13th July, regulating Contentious / Administrative Jurisdiction, and Article 20 of the Statutes of the University of Murcia, approved by Decree 85/2004 of 27th August, official appeals may be filed for reversal before the Vice-Chancellor of the University of Murcia within the period of one month, or directly before the Contentious / Administrative Court of Murcia within the period of two months computed from the day following notification or publication in both cases, and regardless of any other appeals parties are entitled to file by Law.

A Contentious / Administrative appeal may not be filed until the appeal for reversal has been resolved or it has been dismissed.

The Vice-Chancellor
José Luján Alcaraz.

Annex I

List of activities from which candidates are to choose to carry out their research activity.

Furthermore, candidates must define a research project **which addresses at least one of the activities within the chosen line**. The project must ensure that the objectives and milestones identified in the relevant activity can be achieved, and insofar as it is possible, how it will contribute to finding synergies and contributions to other activities in the research line, as per the Complementary Marine Sciences Plan (see Annex II).

Action Line 1: Marine and coastal environment observation and monitoring. (2 post-doctoral contracts)

A.1.3 Development of new environmental monitoring technologies: Design of new techniques to study ocean dynamics, characterisation of habitats, biodiversity, etc. Study of the global change context and singular ecosystems, with integration of proposed solutions.

Results:

- Development of new methodologies to monitor environmental variables that will promote better knowledge of the marine environment.
- Creation of a system of tools based on observations, data analysis and numerical models that permit improving the management of resources and territorial planning and management of the marine environment in the broadest sense.

A.1.6 Advanced complex data analysis techniques: Development and implementation of digital systems that integrate the acquired information by applying big data tools, artificial intelligence, machine learning and other approaches based on data science. Development and implementation of simulation models to integrate in the platform.

Results

- Creation of new complex analytics tools applied to the use of mass marine data.
- Use of artificial intelligence to develop a digital twin of the coastal environment.

Profiles

- Expert in data science, modelling and simulation of hydrodynamic and biophysical models.
- Expert in information systems and distributed platforms, and data science technique applications.

Action Line 2: Sustainable, smart, precision aquaculture (2 post-doctoral contracts).

A2.3 Improvements on knowledge in biology, diseases and relevant physiological aspects for the farming of crustaceans, molluscs, echinoderms and other taxonomical groups: Knowledge in biology, diseases and relevant physiological aspects and promotion thereof for exploitation as food sources and their potential to create bio-products or their role in Integrated Multi-Trophic Aquaculture (IMTA) systems.

Results

- New tools and indicators to assess and improve animal health and welfare, nutritional status, production effectiveness based on circular economy criteria and eco-intensification of production, quality and food safety of the end product and resilience to stress factors associated with climate change (heat stress, oxygen availability, acidification of the environment, recurring and emerging diseases, presence of biotic and antibiotic pollutants, etc.)
- New farming opportunities and sustainable diversification on the basis of adaptation and improvements to IMTA systems (offshore and onshore IMTA-RAS) and the production possibilities in each territory.

A2.9 Improvements to fish-farming systems: Development of more efficient and sustainable foods, particularly during the larvae and juvenile stages, and optimisation of environmental factors and chronobiological control and optimisation of production by integrating smart techniques (ML, Big Data) through genetic improvements, animal welfare and the prevention and control of diseases with diagnosis and treatment tools and technological innovations.

Results:

- Development and validation of new technological and organisational solutions and territorial planning for comprehensive monitoring of aquaculture activities, mitigation of the negative effects of aquaculture on natural ecosystems, right selection of new sites, improvement of compatibility with other uses and suitability of farming structures and systems to prevent escapes and the devastating effects of cyclogenesis phenomena.

Profiles

- Expert in Invertebrate Aquaculture
- Vertebrate aquaculture

Action Line 3: Blue Economy: Innovation and Opportunities (1 post-doctoral contract)

A 3.2. Creation of dynamic systems to assess competitiveness in the blue economy sector through the design of indicator systems and visualisation of data: Exploring marine mechanisms as sources of new compounds and enzymes of biotechnological interest.

Results

- Identification of sustainable actions related to the blue economy through improvements in applied marine/maritime research, transfer of knowledge and application of new technologies and processes (in maritime and coastal tourism, marine biotechnology, use and exploitation of marine resources, development of new ships, maritime transport, sustainable fishing, digitisation)".

Profile

- Expert on the analysis of metagenomics and genomics of biodiversity to develop biotechnological applications.

Annex II.

List of specific Tasks (T) and Milestones (H) and associated month (M) in each action line, with the action being carried out by the University of Murcia in the Complementary Marine Sciences Plan of the Region of Murcia.

Applicants must take the following information into account when undertaking their projects.

Action Line 1: Marine and coastal environment observation and monitoring.

Line 1	
Specific UMU Tasks (T) and Milestones (H: expected results) in each of the actions in the complementary plan.	
A.1.1 Implementation and promotion of observation platforms.	<p>T1: Development of communication protocols and procedures between the different sensors and platforms.</p> <p>T2: Integration of diverse marine technologies on existing multi-sensor observation platforms (buoys, observatories, ships, etc.) or new ones (e.g. autonomous underwater vehicles)</p> <p>H: Improvements to the existing observation platforms (M18).</p>
A.1.2 Infrastructures plan	<p>T1: Development of new multi-sensor observation installations, both static and mobile.</p> <p>T2: Providing essential infrastructures to complete the existing physical platforms.</p> <p>H: Investment in infrastructure and integration with new tools (M18).</p>
A.1.3 Development of new environmental monitoring technologies:	<p>T1: Development of new technological automation innovations to improve our ability to observe the marine environment, increasing the quantity and quality of compiled data. Development of new mass, systematic data collection technologies and continuous, automatic monitoring.</p> <p>T2: Design of new techniques to study ocean dynamics, characterisation of habitats, biodiversity, etc. Study of the global change context and singular ecosystems, with integration of proposed solutions.</p> <p>H: Development of new methodologies to monitor environmental variables that will promote better knowledge of the marine environment (M24).</p>
A.1.4 Development of new environmental monitoring technologies of living resources:	<p>T1: Development and application of the following technologies: advanced genomics to estimate population parameters and critical biological criteria to manage resources. Development of non-invasive population sampling systems and morphometric measurements.</p> <p>T2: Use and combination of the Internet of Things (IoT) and new GNSS networks such as GALILEO and products and services of the Copernicus programme to study vulnerable ecosystems and the effects of climate change.</p> <p>H: Development of new monitoring methodologies of living resources to promote sustainability of resource exploitation. (M24).</p>
A.1.5 Integrated Marine Data Platform	<p>T1: Definition of interoperable mechanisms with other existing European and international platforms, to be developed under the principles of Open Science (FAIR principles, https://www.go-fair.org/fair-principles/).</p> <p>T2: Creation of a distributed data storage and access platform that is interoperable with other existing platforms. Definition of data model standards to permit standardisation of information.</p>

	<p>H: Creation of a data storage and access platform related to the marine environment: on-site information from different observation platforms (M27).</p>
<p>A.1.6 Advanced complex data analysis techniques:</p>	<p>T1: Integration of data from different sources and of different natures, modelling and creation of decision-making support tools. Development and implementation of simulation models to integrate in the platform.</p> <p>T2: Development and implementation of digital systems that integrate the acquired information by applying big data tools, artificial intelligence, machine learning and other approaches based on data science.</p> <p>H: Creation of new complex analytics tools applied to the use of mass marine data. (M30).</p>
<p>A.1.7 Development of a Marine Observation Strategy</p>	<p>T1: Incorporation of observation platforms and surveillance networks proposed in the different action lines.</p> <p>T2: Definition of a large scale monitoring programme that features improvements to the current monitoring programmes in terms of spatial reach and timespan.</p> <p>H: Creation of a system of tools based on observations, data analysis and numerical models that permit improving the management of resources and territorial planning and management of the marine environment in the broadest sense. (M33).</p>
<p>A.1.8 Development of products and services for decision-making.</p>	<p>T1: Creation of integrating tools for data observation, numerical models and application of big data and artificial intelligence techniques.</p> <p>T2: Design of early warning systems for risks and threats and environmental impact assessment concerning different human activities on the marine and coastal environment.</p> <p>H: Creation of a system of tools based on observations, data analysis and numerical models that permit early warning mechanisms in regard to risks and threats. (M33)</p>
<p>A.1.9 Strategies to strengthen the resilience of marine ecosystems</p>	<p>T1: Development of protocols and action plans to reduce the vulnerability and increase the resilience of ecosystems, and an inter-regional monitoring network of protected marine reserves in singular ecosystems.</p> <p>T2: Development of programmes for the recovery and bio-remediation of impacted ecosystems and decision-making to mitigate environmental impact.</p> <p>H: Creation of a national marine and coastal monitoring network, including implementation of coastal surveillance networks. (M36).</p>
<p>A.1.10 Implementation of a coordinated in-situ coastal monitoring service</p>	<p>T1: Design of a monitoring system based on intensive monitoring over time, extensive spatial monitoring and identification of impacts and a search for solutions on the coast.</p> <p>T2: Deployment of a network of continuous monitoring stations both on the coast, in estuaries and large river basins to monitor physical, chemical, biological and ecosystem variables. Support for experimental research on key species/habitats.</p> <p>H: Creation of a national marine and coastal monitoring network, including implementation of coastal surveillance networks. (M36).</p>

Action Line 2: Sustainable, smart, precision aquaculture

Line 2	
Specific UMU Tasks (T) and Milestones (H: expected results) in each of the actions in the complementary plan.	
A 2.1. Crop diversification	<p>T1: Boosting lines of research and production of high commercial value species.</p> <p>T2: Preservation of endangered or vulnerable species and restoration or reinforcement of natural populations.</p> <p>H: Commissioning of a group of experts in Aquaculture Innovation and Transference at national level (M6).</p>
A2.2 Physiological, pathological and reproduction studies of farmable fish.	<p>T1: Research on the rhythmic control of physiological processes and modulation through environmental factors in model species and in aquaculture.</p> <p>T2: Improved knowledge on processes that affect animal development, growth, laying and progeny quality, health and welfare.</p> <p>H: Reinforcement of the technological transference ability and scientific / technical knowledge on aquaculture by cataloguing infrastructures and capacities, organisation of the available technology portfolio and assessment of its potential, including identification of future needs and priorities (M12).</p>
A2.3 Improving the knowledge on biology and the farming of crustaceans, molluscs, echinoderms and other taxonomical groups	<p>T1: Knowledge on biology, diseases and relevant physiological aspects.</p> <p>T2: Promotion of exploitation as food sources and their potential for use to create bio-products or their role in Integrated Multi-Trophic Aquaculture (IMTA) systems.</p> <p>H: New tools and indicators to assess and improve animal health and welfare, nutritional status, production effectiveness based on circular economy criteria and eco-intensification of production, quality and food safety of the end product and resilience to stress factors associated with climate change (heat stress, oxygen availability, acidification of the environment, recurring and emerging diseases, presence of biotic and antibiotic pollutants, etc.) (M36).</p>
A.2.4 Promoting seaweed farming	<p>T1: Integration in IMTA configurations to assess their bio-remediation potential (elimination of nutrients and heavy metals).</p> <p>T2: Promotion and boosting of sustainable seaweed production, technical advice for setting up seaward farms on land, in estuaries and the sea. Participation in the network of stakeholders to be defined in activity L3.</p> <p>H: Implementation of protocols to study seaweed species particularly adapted to climate change, promoting diversification of farming towards native species, with low trophic levels and/or high economic value (M36).</p>
A2.5 Promotion of microalgae farming	<p>T1: Improving knowledge on the biology and physiology of these organisms.</p> <p>T2: Obtaining such through biomass biotechnology applications and new non-food products, and to resolve challenges related to climate change.</p> <p>H: Implementation of protocols to study microalgae and seaweed species especially adapted to climate change, promoting diversification of the farming</p>

	towards native species, with low trophic level and/or high economic value (M36).
A.2.6 To encourage research and development of non-conventional fish, mollusc and other taxonomic group farming systems.	T1: A.2.6 To encourage research and development of fish and plant farming in mollusc and other taxonomic group farming systems in BIOFLOC aquaponics. T2: Fish, mollusc and other taxonomic group farming in IMTA (offshore and onshore) and recirculation methods (RAS). H: New farming opportunities and sustainable diversification on the basis of adaptation and improvements to IMTA systems (offshore and onshore IMTA-RAS) and the production possibilities in each territory (M36).
A.2.8 To promote activity being carried out in existing marine ICTS-ICAR in the Region of Murcia.	T1: Promotion of activity being carried out in existing marine ICTS-ICAR in the Region of Murcia (Infrastructure for Atlantic Bluefin Tuna). T2: Optimisation of fishing management and production processes through integrated aquaculture techniques. Collaboration with the models to be defined in the digital twin activity. H: New farming opportunities and sustainable diversification on the basis of adaptation and improvements to IMTA systems (offshore and onshore IMTA-RAS) and the production possibilities in each territory (M36).
A.2.9 Improvements to fish-farming systems	T1: Development of more efficient, sustainable food, particularly during the larvae and juvenile stages, and optimisation of environmental factors and chrono-biological control. T2: Optimisation of production by integrating smart techniques (ML, Big Data) through genetic improvement, animal welfare and prevention and control of diseases through diagnostics, treatment and novel technological tools. H: Development and validation of new technological and organisational solutions and territorial planning for comprehensive monitoring of aquaculture activities, mitigation of the negative effects of aquaculture on natural ecosystems, right selection of new sites, improvement of compatibility with other uses and suitability of farming structures and systems to prevent escapes and the devastating effects of cyclogenesis phenomena.
A.2.10 Improvement of bivalve farming systems throughout all production stages, both at source in the natural environment and in nurseries.	T1: Development of new microbial management processes from an ecology and biology approach (eco) of systems in systems IMTA-RAS, and a combination of new materials with novel sanitising/disinfection treatments and technologies in the facilities. H1: Ensuring self-sufficiency in larvae supply for the farming of bivalves and other species of commercial interest, through improving knowledge on dispersion, connectivity and abundance of larvae, recruitment and the best collection and growing systems, particularly in the breeding stage, although not exclusively (M36). T2: Genetic improvement and implementation of population monitoring systems and larvae collection of species of commercial interest to ensure the supply of seeds for sustainable aquaculture and shellfish production. H2: New farming opportunities and sustainable diversification on the basis of adaptation and improvements to IMTA systems (offshore and onshore IMTA-RAS) and the production possibilities in each territory (M36).
A.2.11 Improvement to knowledge on the welfare of crops and development of systems that permit continuous, reliable monitoring.	T1: New welfare indicators in normal farming conditions and during culling (where applicable). T2: Development of strategies to improve ingestion and gains from food, in regard to growth, reproduction and health (susceptibility to diseases) of the farmed species. H: Development and validation of new technological and organisational solutions and territorial planning for comprehensive monitoring of aquaculture activities, mitigation of the negative effects of aquaculture on natural ecosystems, right selection of new sites, improvement of compatibility with other uses and suitability of farming structures and systems to prevent escapes and the devastating effects of cyclogenesis phenomena.

<p>A.2.12 Improvement to the nutrition and feeding of fish through the use of new feed formulae.</p>	<p>T1: Use of new feed formulae based on mixtures of alternative raw materials and diet supplements (probiotics, prebiotics, synbiotics), validated throughout the production cycle through zootechnical data and performance. T2: New molecular biology and microbe monitoring tools as general status markers of fish. H: New tools and indicators to assess and improve animal health and welfare, nutritional status, production effectiveness based on circular economy criteria and eco-intensification of production, quality and food safety of the end product and resilience to stress factors associated with climate change (heat stress, oxygen availability, acidification of the environment, recurring and emerging diseases, presence of biotic and antibiotic pollutants, etc.) (M36).</p>
<p>A.2.13 Creation of new ingredients for aquaculture feed based on reusing fish waste and other by-products.</p>	<p>T1: Creation of feed based on reusing fish waste and other by-products (of plant or animal sources). T2: Obtaining compounds of interest for the health and nutrition of farmed species through the application of bio-technology tools. H: Implementation of early warning / detections systems and prediction of biological risks (pollutants, human action, toxins, microalgae blooms and jellyfish, etc.) of devastating natural phenomena and recurring and emerging aquatic pathogens in a context of global change (M36).</p>
<p>A.2.14 Genetic studies on fish and mollusc populations, along with the use of assisted genetic selection techniques, development of multi-species SNP chips, functional genome, proteomics and metagenomics.</p>	<p>T1: Development of multi-species SNP chips, functional genome, proteomics and metagenomics to promote the sustainable management of natural and farmed populations (fish, crustaceans and molluscs). T2: Selection of resistant lines or races (to environmental stress and pathogens) or more effective ones in eliminating bio-toxins. Traceability throughout the entire food chain and conservation of biodiversity and genetic variability. H: Creation of an Aquaculture Big Data platform for mass processing and analysis and integration of marine environment data and data on the crop organisms with learning capacity and providing direct support for decision-making (artificial intelligence) (M36).</p>
<p>A.2.15 Establishing bio-health measures and design of protocols and other specific control measures (vaccines, prebiotics, probiotics, alternative treatments, etc.).</p>	<p>T1: Design of protocols and specific control measures (vaccines, prebiotics, probiotics, alternative treatments, etc.). T2: Mitigation of the effects of climate change and intensification of fish crops due to pathogens (recurring and emerging). H: Implementation of early warning / detections systems and prediction of biological risks (pollutants, human action, toxins, microalgae blooms and jellyfish, etc.) of devastating natural phenomena and recurring and emerging aquatic pathogens in a context of global change (M36).</p>
<p>A.2.16 Prediction, mitigation and control of emerging and recurring pollutants strategies and technologies.</p>	<p>T1: Research into emerging pollutants. H: Implementation of early warning / detections systems and prediction of biological risks (pollutants, human action, toxins, microalgae blooms and jellyfish, etc.) of devastating natural phenomena and recurring and emerging aquatic pathogens in a context of global change (M36).</p>
<p>A.2.17 Development and application of new technological solutions for automation of farming infrastructure maintenance and digitisation.</p>	<p>T1: Integration of the platform results (omics, technological and environmental) for more detailed knowledge on the effects of climate change on crops and to mitigate carbon emissions, releases, eutrophication and pollution of the marine environment. T2: Conducting of concept tests of new engineering solutions (adapted to regional level) to mitigate the effects of climate change on infrastructures and production in aquaculture. Integration of results in an integrated platform for connection with modelling systems. H: Development and validation of new technological and organisational solutions and territorial planning for comprehensive monitoring of aquaculture</p>

	<p>activities, mitigation of the negative effects of aquaculture on natural ecosystems, right selection of new sites, improvement of compatibility with other uses and suitability of farming structures and systems to prevent escapes and the devastating effects of cyclogenesis phenomena (M36).</p>
<p>A.2.18 Improving the ability to adapt aquaculture production to climate change and strategies to mitigate its effects on the activity.</p>	<p>T1: Regarding this activity in terms of spatial planning and smart management of facilities.</p> <p>H: Creation of an Aquaculture Big Data platform for mass processing and analysis and integration of marine environment data and data on the crop organisms with learning capacity and providing direct support for decision-making (artificial intelligence) (M36).</p>
<p>A2.19 Improving traceability and diversification of the offer through the development of new products.</p>	<p>T1: Development of new, sustainable, attractive, user-friendly, safe, competitive, healthy and high quality, transformed products with active, smart, biodegradable packaging systems and new marketing lines and scopes, including new uses such as biotechnology applications of farmed organisms.</p> <p>T2: Physical / Chemical and sensory characterisation of new species, welcomed by consumers, market research, forecast and positioning of new species.</p> <p>H: Markets/Economy. To improve the ability to design market strategies through the use of evolution stimulation tools, considering the production value chain and trends, accessing forecasts of economic, social and legal impact from the introduction of new technologies in the aquaculture sector (M36).</p>
<p>A2.20 Improvement to environmental culture, transparency and perception of aquaculture at all levels in society.</p>	<p>T1: To facilitate the introduction and consolidation of safe, quality aquaculture in the market. Collaboration with L3 in the integration of dissemination activities.</p> <p>T2: Design of innovation mechanisms linked to the marketing of blue tourism resources and products and associated marketplace models.</p> <p>H: Use of transparency criteria in the assessment of Environmental Sustainability to show society the need to preserve the marine environment and the contribution by aquaculture as part of the solution to mitigate the effects of climate change (M36).</p>

Action Line 3: Blue Economy: Innovation and opportunities

Line 3	
Specific UMU Tasks (T) and Milestones (H: expected results) in each of the actions in the complementary plan.	
A3.1 Development of integrated information management platforms, marketing of blue tourism resources and products.	<p>T1: Research to identify the different profiles associated with blue tourism through the use of data science. Development of tools to promote coastal destinations through different aspects.</p> <p>T2: Design of innovative mechanisms linked to the marketing of blue tourism resources and products and associated marketplace models.</p> <p>H: Action plan to promote innovative marine ecosystems in all territories covered by the programme, leading to an increase in public - private cooperation; knowledge transfer agreements, development of new products, services and technology companies, and job creation. (M18).</p>
A3.2 Creation of dynamic systems to assess competitiveness in the blue economy sector through the design of indicator systems and visualisation of data as a guide for policies.	<p>T1: Defining a system of indicators, control panels and display of data linked to the activities described in A3.1.</p> <p>T2: Decision-making systems for companies and administrations based on the identified indicators.</p> <p>H: Identification of sustainable actions related to the blue economy through improvements in applied marine/maritime research, transfer of knowledge and application of new technologies and processes (in maritime and coastal tourism, marine biotechnology, use and exploitation of marine resources, development of new ships, maritime transport, sustainable fishing, digitisation). (M24).</p>
A.3.3 Promotion of renewable marine energy.	<p>T1: Study and analysis of its impact on singular regional zones.</p> <p>T2: Development of concept tests and pilot experiences of innovative solutions in regard to renewable marine energy.</p> <p>H: Design of an integrated maritime policy and marine/maritime spatial planning in collaboration with the Autonomous Regions that will permit optimising and compatibility of uses, thus guaranteeing sustainability. (M36).</p>
A.3.4 Promotion of sustainable maritime transport.	<p>T1: Study of alternatives to conventional ships and the use of more sustainable, efficient vessels (fishing, etc.)</p> <p>T2: Research into fishing systems through efficient technologies to manage discarded catches.</p> <p>H: Awareness activities for general society and the public/private players on the development of sustainable activities in the marine environment and in priority sectors of the blue economy, without ignoring the social and economic roles of sustainable fishing. (M33).</p>
A.3.5 Improving sustainable management and development of coastal aquifers.	<p>T1: Research and application of solutions to improve efficiency in management, use and decision-making on water resources in coastal aquifers in the region.</p>

	<p>T2: Development of sustainable exploitation strategies for these resources.</p> <p>H: Development of strategies and tools (including new governance designs, digital tools, etc.) to stimulate new knowledge and technology among users/beneficiaries, with engagement by all society, through citizen science tools and establishing learning communities. (M27)</p>
<p>A.3.6 Integration of socio-economic information in decision-making processes on the use of marine space and possible areas of conflict.</p>	<p>T1: Conducting of socio-economic surveys and assessments on the planning of the use of marine areas in the region.</p> <p>H1: Design of an integrated maritime policy and marine/maritime spatial planning in collaboration with the Autonomous Regions that will permit optimising and compatibility of uses, thus guaranteeing sustainability. (M36).</p> <p>T2: Defining scenario forecast mechanisms and case studies applied to socio-economic studies.</p> <p>H2: Awareness activities for general society and the public/private players on the development of sustainable activities in the marine environment and in priority sectors of the blue economy, without ignoring the social and economic roles of sustainable fishing. (M33).</p>
<p>A.3.7 Assessment of marine ecosystem services (provisional, regulatory and cultural) through different case studies.</p>	<p>T1: Assessment of impact at regional level with emphasis on singular regional zones.</p> <p>T2: Conducting of studies on identifying opportunities for intervention in marine ecosystems for conservation and recovery.</p> <p>H: Catalogue of new products (public / private) and disruptive technological processes applied to observation and management of the sea. (M36).</p>
<p>A.3.8 Creation of a citizen science initiatives laboratory and social participation in the undertaking of marine research.</p>	<p>T1: Integration of the laboratory activities in initiatives at UMU in regard to citizen and social participation and SDG.</p> <p>T2: Design of methodologies to facilitate social participation and to improve mid and long-term governance.</p> <p>H: Activities addressing citizens to transform the collective perception and awareness on all marine ecosystem services, social action mechanisms against poaching and encouraging responsible consumption. (M30).</p>
<p>A.3.9 Design of a new governance model for the marine research ecosystem: development of a network of research and innovation players, creation of an intensive public - private collaboration network ecosystem.</p>	<p>T1: Defining a training and knowledge transfer programme to connect academia with the production sector (e.g. industrial doctorates) and to guarantee a rapid, efficient transfer of research results.</p> <p>T2: Integration of UMU in the network of players to be defined at national level and participation in activities to encourage collaboration. Identification of networks at European level and identification of synergies.</p> <p>H: Identification of mechanisms to attract creativity and investment, and to establish a business culture to permit developing and consolidating a climatically neutral, sustainable and productive Blue Economy. (M33).</p>

<p>A.3.10 Ideas laboratory: to create an area for demonstrations and creation of ideas, developing road maps / accelerating start-ups linked to the blue economy.</p>	<p>T1: Development of a space to demonstrate and create ideas linked to the blue economy to facilitate collaboration between universities, companies and society. Defining a specific programme within the UMU initiatives to promote this culture.</p> <p>H1: Development of strategies and tools (including new governance designs, digital tools, etc.) to stimulate new knowledge and technology among users/beneficiaries, with engagement by all society, through citizen science tools and establishing learning communities. (M27)</p> <p>T2: Preparation of concept and viability tests to nourish the design of pilot experiences which can be demonstrated in the ideas laboratory.</p> <p>H2.1: Catalogue of new products (public / private) and disruptive technological processes applied to observation and management of the sea. (M36).</p> <p>H2.2: Identification of mechanisms to attract creativity and investment, and to establish a business culture to permit developing and consolidating a climatically neutral, sustainable and productive Blue Economy. (M33).</p>
<p>A.3.11 Development of advanced fishing management systems.</p>	<p>T1: Development of digital solutions applied to the value chain related to fishing in the region.</p> <p>H1: Activities addressing citizens to transform the collective perception and awareness on all marine ecosystem services, social action mechanisms against poaching and encouraging responsible consumption. (M30).</p> <p>T2: Application and development of digital solutions to improve the management of discarded catches and the use/promotion of local marine products.</p> <p>H2: Catalogue of new products (public / private) and disruptive technological processes applied to observation and management of the sea. (M36).</p>
<p>A.3.12 Dissemination of knowledge and education on the marine environment.</p>	<p>T1: Participation in activities at regional level to promote and disseminate information about the marine environment.</p> <p>H1: Awareness activities for general society and the public/private players on the development of sustainable activities in the marine environment and in priority sectors of the blue economy, without ignoring the social and economic roles of sustainable fishing. (M33).</p> <p>T2: Definition of strategies related to activity 3.8 to promote studies and knowledge of the blue economy at different educational levels.</p> <p>H2.1: Development of strategies and tools (including new governance designs, digital tools, etc.) to stimulate new knowledge and technology among users/beneficiaries, with engagement by all society, through citizen science tools and establishing learning communities. (M27).</p>

	<p>H2.2: Activities addressing citizens to transform the collective perception and awareness on all marine ecosystem services, social action mechanisms against poaching and encouraging responsible consumption. (M30).</p>
<p>A.3.13 Marine, Maritime and Coastal environment digital twin.</p>	<p>T1: Design of services that help decision-making in the short, mid and long-terms through the use of a digital twin system.</p> <p>H1: Development of strategies and tools (including new governance designs, digital tools, etc.) to stimulate new knowledge and technology among users/beneficiaries, with engagement by all society, through citizen science tools and establishing learning communities. (M27).</p> <p>T2: Design of integrated data management systems linked to line L1 to develop digital twins. Creation of tools to manage storm information, seasonal forecasts and climate change.</p> <p>H2: Catalogue of new products (public / private) and disruptive technological processes applied to observation and management of the sea. (M36).</p>

Annex III.

STATEMENT OF TRUTH

(Personal Data Protection)

Announcement for Post-doctoral Contracts within the framework of the ThinkInAzul Project within the Complementary Marine Sciences Plan.

Mr./Ms. _____,

holder of ID Card/PASSPORT/Foreigners ID Card numbered _____ with nationality, _____, in accordance with the provisions established in Organic Law 3/2018 of 5th December on Personal Data Protection and the Guarantee of Digital Rights, I hereby declare under my responsibility that I have been informed that:

1. My personal data will be included in a file of personal data held by the University of Murcia, which guarantees the security and confidentiality of the said data, for the purposes of managing this announcement and any economic management stemming therefrom. Transfer of data is envisaged to the competent public sectors, and in particular to Fundación Séneca - Agencia de Ciencia y Tecnología de la Región de Murcia, for the technical assessment process of applications; to the Ministry of Universities to justify implementation of the programme, and to the competent Social Security and Tax Administrations.
2. I am entitled to exercise my data subject rights to access, rectification, erasure, limited processing, data portability and objection to processing envisaged in Organic Law 3/2018 of 5th December before the Secretariat General of the University of Murcia.

Likewise, I specifically authorise the University of Murcia to use, publish or disclose my name and image in any communications that are made for informative or dissemination purposes linked to the public service of higher university education, both in the printed and audiovisual media and on the internet.

I hereby state the foregoing in order to submit my application and to be included in the awarding process of a contract in the announcement of Post-doctoral Contracts within the framework of the ThinkInAzul Project of the Complementary Marine Sciences Plan.

In _____, on of xxxx 2022.

(Signature: electronic signature is recommended)

Annex IV.

STATEMENT OF TRUTH

(TRUTHFULNESS OF SUPPLIED DOCUMENTS)

Announcement for Post-doctoral Contracts within the framework of the ThinkInAzul Project within the Complementary Marine Sciences Plan.

Mr./Ms. _____, holder of ID Card/PASSPORT/Foreigners ID Card numbered _____ with nationality (official name of the State), ____, for the purposes of taking part in the selection process in the announcement for Post-doctoral Contracts within the framework of the ThinkInAzul Project of the Complementary Marine Sciences Plan.

HEREBY DECLARE UNDER MY RESPONSIBILITY:

1. Whereas, I meet the conditions established in Article 13 of the General Subsidies Law and I am not involved in any of the circumstances preventing such, as envisaged in the aforementioned Law.
2. Whereas, I agree to the terms established in the announcement approved by resolution by the Vice-Chancellor of the University of Murcia R-[...]/2022, of [...] of [...].
3. Whereas, I meet the requirements established in the said announcement to be awarded the contract I am applying for.
4. Whereas, the document attached to my application are verbatim copies of the originals in my possession; that I have documents accrediting such, and that I shall make them available to the University of Murcia whenever required, and undertake to keep the said documents available throughout the entire period of the subsidy.

In _____, on of xxxx 2022.

Annex V.

ACCEPTANCE DOCUMENT

Announcement for Post-doctoral Contracts within the framework of the ThinkInAzul Project within the Complementary Marine Sciences Plan.

APPLICANT'S DETAILS.

Given name and Surname:			
National ID Card/Tax ID Card/Foreigner's ID Card:	Telephone:		E-mail:

DEPARTMENT AND RESEARCH GROUP DETAILS.

Centre:	UNIVERSITY OF MURCIA
Department:	
Research group:	
Principal group researchers:	

This document accredits acceptance by the aforementioned Research Group at the University of Murcia for the applicant to join the group in the event of being awarded one of the Post-doctoral Contracts within the framework of the ThinkInAzul Project of the Complementary Marine Sciences Plan.

In Murcia on of 2022.

Principal group researchers:	Approved Department Director:

(electronic signature recommended)

NOTE:

To submit the application, the signature by the head of the Research Group will be the only indispensable requirement, and approval by the Department may be submitted at a later date, but always before the final resolution of the procedure.