

Concurso internacional para ocupação de um posto de trabalho da carreira de investigação científica, na categoria de Investigador Auxiliar, área disciplinar de Ciências da Terra, especialidade de Observação da Terra, da Faculdade de Ciências e Tecnologia da Universidade de Coimbra, autorizado por Despacho do Magnífico Reitor datado de 19/01/2025 | IT074-25-14948

Ao vigésimo quinto dia do mês de junho, de dois mil e vinte e cinco, pelas catorze horas e trinta minutos, sob a presidência do Doutor Pedro Miguel Berardo Duarte Pina, Professor Associado com Agregação do Departamento de Ciências da Terra da Faculdade de Ciências e Tecnologia da Universidade de Coimbra, em substituição do Doutor Edmundo Heitor da Silva Monteiro, Professor Catedrático e Diretor da Faculdade de Ciências e Tecnologia da Universidade de Coimbra e do Doutor Luís José Proença de Figueiredo Neves, Professor Catedrático e Vice-Reitor da Universidade de Coimbra, por impossibilidade de os mesmos comparecerem na presente reunião, e secretariado de Daniela Eduarda Mesquita de Deus Gonçalves, Técnica Superior do Serviço de Gestão de Recursos Humanos da Universidade de Coimbra, reuniu o Júri do concurso em epígrafe.

A reunião decorreu sob a forma de videoconferência, em conformidade com o previsto, no art. 30.º/1 do Decreto-Lei n.º 10-A/2020, de 13 de março, tendo participado, como vogais, os/as Senhores/as Doutores/as:

- Ana Cláudia Moreira Teodoro

Professora Catedrática da Faculdade de Ciências da Universidade do Porto

- Emanuel Nemésio de Sousa Dutra

Investigador Principal da Instituto Português do Mar e da Atmosfera

- Isabel Alexandra Martinho Franco Trigo

Investigadora Coordenadora da Instituto Português do Mar e da Atmosfera

- Pedro José Miranda da Costa

Professor Associado do Departamento de Ciências da Terra da Faculdade de Ciências e Tecnologia da Universidade de Coimbra

Aberta a sessão e verificada a existência de quórum legal, de acordo com estipulado no n.º 1 do artigo 26.º do Estatuto da Carreira da Investigação Científica, aprovado pelo Decreto-Lei n.º 124/99 de 20 de abril, na sua redação atual (doravante ECIC) e do n.º 2 do artigo 19.º do Regulamento de Recrutamento, Contratação e Prestação de Serviço de Pessoal de Investigação Científica da Universidade de Coimbra, Regulamento n.º 810/2021(doravante RRCPSPICUC), o Presidente do Júri, informou os/as Vogais que a reunião tem por objetivo a continuação da reunião de júri realizada no passado dia seis de maio de dois mil e vinte e cinco, designadamente a aplicação do método de seleção “*avaliação do percurso científico e*

curricular” dos/as candidatos/as admitidos/as aprovados/as em mérito absoluto, seguida da sua ordenação final, culminando no projeto de lista de classificação final.

Assim, o Presidente do Júri deu a palavra a todos/as os/as Vogais para que se pronunciassem sobre o percurso científico e curricular dos/as candidatos/as.

Seguidamente, e após debate sobre o percurso científico e curricular dos/as candidatos/as já aprovados/as em mérito absoluto, os membros do Júri procederam à atribuição da classificação final em virtude da aplicação do método de seleção *Avaliação do Percurso Científico e Curricular* e estabilizaram a respetiva seriação, conforme documentos escritos, anexos à presente ata, dela fazendo parte integrante, contendo a classificação atribuída aos/às candidatos/as e a respetiva fundamentação.

De seguida, o Presidente do Júri deu a palavra a todos/as os/as Vogais para que se pronunciassem no sentido de realizar as votações sucessivas com vista à elaboração da lista de classificação final, nos termos previstos no ponto VII do referido Aviso, conforme descrito *infra*:

Votação para uma vaga de Investigador/a Auxiliar, para a área disciplinar de Ciências da Terra, subárea de Observação da Terra do Departamento de Ciências da Terra da Faculdade de Ciências e Tecnologia da Universidade de Coimbra:

Presidente do Júri

J1 - Pedro Miguel Berardo Duarte Pina

Membros do Júri

J2 - Ana Cláudia Moreira Teodoro

J3 - Emanuel Nemésio de Sousa Dutra

J4 - Isabel Alexandra Martinho Franco Trigo

J5 - Pedro José Miranda da Costa

Candidatos/as a concurso

A - Carlos Alberto Fernandes Marques

B - David Alegre Vaz

C - Diogo André Vicente Amorim Duarte

D - Luis Angel Espinosa Villalpando

E - Mário David da Costa Pereira Sequeira

F - Rúben José Chaves Miguel dos Santos

G - Siddique Ullah Baig

H - Vasco Manuel Jorge Soares Mantas

Votações de cada Membro do Júri

J1 - H C F B A D E G

J2 - H C F B D A E G

J3 - H B C F A D E G

J4 - H B C F E A D G

J5 - H C B F D A E G

– Início do processamento dos votos dos Membros do Júri

• **Decisão para a posição 1**

Descrição da ronda

Ronda 1

Tabela de votos

Candidato encontrado por unanimidade.

Foram excluídos com zero votos os seguintes candidatos:

- Carlos Alberto Fernandes Marques
- David Alegre Vaz
- Diogo André Vicente Amorim Duarte
- Luis Angel Espinosa Villalpando
- Mário David da Costa Pereira Sequeira
- Rúben José Chaves Miguel dos Santos
- Siddique Ullah Baig

Tabela de votos

J1 vota em Vasco Manuel Jorge Soares Mantas

J2 vota em Vasco Manuel Jorge Soares Mantas

J3 vota em Vasco Manuel Jorge Soares Mantas

J4 vota em Vasco Manuel Jorge Soares Mantas

J5 vota em Vasco Manuel Jorge Soares Mantas

Candidato **Vasco Manuel Jorge Soares Mantas** colocado na posição **1**.

• **Decisão para a posição 2**

Descrição da ronda

Ronda 1

Tabela de votos

Candidato encontrado por maioria absoluta.

Foram excluídos com zero votos os seguintes candidatos:

- Carlos Alberto Fernandes Marques
- Luis Angel Espinosa Villalpando
- Mário David da Costa Pereira Sequeira

Tabela de votos

J1 vota em Diogo André Vicente Amorim Duarte

J2 vota em Diogo André Vicente Amorim Duarte

J3 vota em David Alegre Vaz

J4 vota em David Alegre Vaz

J5 vota em Diogo André Vicente Amorim Duarte

- Rúben José Chaves Miguel dos Santos
- Siddique Ullah Baig

Candidato **Diogo André Vicente Amorim Duarte** colocado na posição 2.

• **Decisão para a posição 3**

Descrição da ronda

Ronda 1

Tabela de votos

Candidato encontrado por maioria absoluta.
Foram excluídos com zero votos os seguintes candidatos:

- Carlos Alberto Fernandes Marques
- Luis Angel Espinosa Villalpando
- Mário David da Costa Pereira Sequeira
- Siddique Ullah Baig

Tabela de votos

J1 vota em Rúben José Chaves Miguel dos Santos
J2 vota em Rúben José Chaves Miguel dos Santos
J3 vota em David Alegre Vaz
J4 vota em David Alegre Vaz
J5 vota em David Alegre Vaz

Candidato **David Alegre Vaz** colocado na posição 3.

• **Decisão para a posição 4**

Descrição da ronda

Ronda 1

Tabela de votos

Candidato encontrado por unanimidade.
Foram excluídos com zero votos os seguintes candidatos:

- Carlos Alberto Fernandes Marques
- Luis Angel Espinosa Villalpando
- Mário David da Costa Pereira Sequeira
- Siddique Ullah Baig

Tabela de votos

J1 vota em Rúben José Chaves Miguel dos Santos
J2 vota em Rúben José Chaves Miguel dos Santos
J3 vota em Rúben José Chaves Miguel dos Santos
J4 vota em Rúben José Chaves Miguel dos Santos
J5 vota em Rúben José Chaves Miguel dos Santos

Candidato **Rúben José Chaves Miguel dos Santos** colocado na posição 4.

• **Decisão para a posição 5**

Descrição da ronda

Tabela de votos

Ronda 1 (desempate)

Tabela de votos

O Candidato Mário David da Costa Pereira Sequeira foi eliminado nesta ronda por ter a votação mais baixa.

O candidato Siddique Ullah Baig foi excluído com zero votos.

J1 vota em Carlos Alberto Fernandes Marques

J2 vota em Luis Angel Espinosa Villalpando

J3 vota em Carlos Alberto Fernandes Marques

J4 vota em Mário David da Costa Pereira Sequeira

J5 vota em Luis Angel Espinosa Villalpando

Ronda 2

Tabela de votos

Candidato encontrado por maioria absoluta.

J1 vota em Carlos Alberto Fernandes Marques

J2 vota em Luis Angel Espinosa Villalpando

J3 vota em Carlos Alberto Fernandes Marques

J4 vota em Carlos Alberto Fernandes Marques

J5 vota em Luis Angel Espinosa Villalpando

Candidato **Carlos Alberto Fernandes Marques** colocado na posição 5.

• Decisão para a posição 6

Descrição da ronda

Ronda 1

Tabela de votos

Candidato encontrado por maioria absoluta.

O candidato Siddique Ullah Baig foi excluído com zero votos.

Tabela de votos

J1 vota em Luis Angel Espinosa Villalpando

J2 vota em Luis Angel Espinosa Villalpando

J3 vota em Luis Angel Espinosa Villalpando

J4 vota em Mário David da Costa Pereira Sequeira

J5 vota em Luis Angel Espinosa Villalpando

Candidato **Luis Angel Espinosa Villalpando** colocado na posição 6.

• Decisão para a posição 7

Descrição da ronda

Ronda 1

Tabela de votos

Candidato encontrado por unanimidade.

O candidato Siddique Ullah Baig foi excluído com zero votos.

Tabela de votos

J1 vota em Mário David da Costa Pereira Sequeira

J2 vota em Mário David da Costa Pereira Sequeira

J3 vota em Mário David da Costa Pereira Sequeira

J4 vota em Mário David da Costa Pereira Sequeira

J5 vota em Mário David da Costa Pereira Sequeira

Candidato **Mário David da Costa Pereira Sequeira** colocado na posição 7.

• **Decisão para a posição 8**

Descrição da ronda

Ronda 1

Tabela de votos

Candidato encontrado por unanimidade.

Tabela de votos

J1 vota em Siddique Ullah Baig

J2 vota em Siddique Ullah Baig

J3 vota em Siddique Ullah Baig

J4 vota em Siddique Ullah Baig

J5 vota em Siddique Ullah Baig

Candidato **Siddique Ullah Baig** colocado na posição 8.

Compulsadas as seriações feitas por cada um dos/as Vogais, deliberou o Júri, por unanimidade, aprovar a seguinte lista de ordenação final:

- 1 - Vasco Manuel Jorge Soares Mantas
- 2 - Diogo André Vicente Amorim Duarte
- 3 - David Alegre Vaz
- 4 - Rúben José Chaves Miguel dos Santos
- 5 - Carlos Alberto Fernandes Marques
- 6 - Luis Angel Espinosa Villalpando
- 7 - Mário David da Costa Pereira Sequeira
- 8 - Siddique Ullah Baig

Mais, deliberou o Júri, por unanimidade, aprovar as fundamentações constantes da votação nominal de cada um dos seus Membros, que legitimam a deliberação relativa à seriação final dos/as candidatos/as, em cumprimento ao disposto no nº 6 do artigo 19.º do RRCPSPICUC.



Por fim, em cumprimento do disposto no ponto VI.2.2. do Aviso de abertura, o Júri elaborou o projeto de lista de classificação final, que fica apenso à presente ata dela fazendo parte integrante, o qual será notificado aos/às candidatos/as por ofício registado, por correio eletrónico, nos termos do disposto no n.º 1 do artigo 30.º do RRCSPICUC, e por edital publicado na plataforma eletrónica de gestão de procedimentos concursais da Universidade de Coimbra, Apply UC, nos termos e para os efeitos previstos no ponto IX.1 do Aviso de abertura.

O Júri elaborou, também, o relatório final que depois de homologado será notificado aos/às candidatos/as, por ofício registado e por correio eletrónico, nos termos do disposto no n.º 3 do artigo 27.º do ECIC e no n.º 3 do artigo 29.º do RRCSPICUC.

Para constar foi exarada a presente ata que, depois de lida e aprovada vai ser assinada por todos os membros do Júri presentes na reunião

O Júri,

Concurso internacional para ocupação de um posto de trabalho da carreira de investigação científica, na categoria de Investigador Auxiliar, área disciplinar de Ciências da Terra, especialidade de Observação da Terra, da Faculdade de Ciências e Tecnologia da Universidade de Coimbra, autorizado por Despacho do Magnífico Reitor datado de 19/01/2025 | Ref.ª IT074-25-14948

Avaliação e proposta de ordenação dos candidatos

Considerando os critérios de seleção e os parâmetros de avaliação constantes do Edital de abertura do concurso, procedi à classificação final, de acordo com a escala numérica de 0 a 100.

As classificações, que constam da tabela abaixo, traduzem, juntamente com a apreciação de natureza qualitativa, o meu juízo valorativo sobre o mérito dos candidatos no âmbito da Avaliação Curricular e Mérito Absoluto que fundamentam a proposta de ordenação intercalar que se apresenta de seguida.

Tabela de classificação intercalar

<i>Nome do candidato</i>	<i>QT (45%)</i>	<i>QP (25%)</i>	<i>EF (5%)</i>	<i>CP (10%)</i>	<i>PG (5%)</i>	<i>SC (10%)</i>	<i>Classificação intercalar</i>
Carlos Alberto Fernandes Marques	51.00	70.00	70.00	14.80	31.50	2.50	47.3
David Alegre Vaz	62.10	40.00	80.00	38.10	73.30	11.30	50.5
Diogo André Vicente Amorim Duarte	73.40	90.00	100.00	51.90	47.60	30.00	71.1
Luis Angel Espinosa Villalpando	31.40	70.00	70.00	25.20	2.90	3.80	38.2
Mario David da Costa Pereira Sequeira	23.00	65.00	65.00	0.00	2.90	3.80	30.4
Rúben José Chaves Miguel dos Santos	63.40	90.00	100.00	61.40	31.40	66.90	70.4
Siddique Ullah Baig	31.30	0.00	70.00	0.00	2.90	0.00	17.7
Vasco Manuel Jorge Soares Mantas	83.50	90.00	100.00	72.10	91.50	76.10	84.5

Legenda

QT: Qualidade do trabalho científico e técnico;



QP: Qualidade do projeto científico;

EF: Experiência e formação profissional;

CP: Contribuições em atividades de orientação científica e participação em atividades letivas;

PG: Participação em órgãos de gestão;

SC: Prestação de serviço à comunidade;

Classificação intercalar = QT 45% + QP 25% + EF 5% + CP 10% + PG 5% + SC %.

Apreciação qualitativa intercalar

The scientific and curricular evaluation was based on the six criteria indicated in the respective Public Notice and whose justification is presented below:

A. Quality of the scientific and technical work (45%)

In the evaluation of the component of scientific publications in the areas of the competition, I value, in descending order of the combination of the number of articles published in international journals and their impact (number of citations and Scopus h-index), Diogo Duarte, Vasco Mantas and Carlos Marques. The candidate David Vaz, despite presenting higher numbers in one of these parameters, has a large majority of published articles that do not fit the topics of Earth Observation and, therefore, of less relevance in the evaluation. In the publications in conference proceedings, book chapters and other scientific publications framed in the scientific areas of the competition, Rúben Santos stands out, for its quantity and adequacy. Then, also with adequate publications of this type, but in smaller quantities, I highlight Carlos Marques and Vasco Mantas. The other candidates have a small number of this type of publications or very low suitability for Earth Observation. Regarding the 5 most representative articles published by each candidate, I value with a similar level, for their quality, importance and greater suitability for Earth Observation, those indicated by Diogo Duarte and Vasco Mantas. In the peer review of manuscripts submitted to international journals in the areas of the competition, Vasco Mantas stands out clearly and expressively in relation to the other candidates, in the number of reviews carried out. The candidate David Vaz presents a smaller amount of this type of evaluations, but still in considerable number, and is also in relevant international journals in the areas of the competition. In the integration of scientific committees of conferences or in the evaluation of manuscripts submitted to conferences, the greatest emphasis goes to the greater participations made by Diogo Duarte in some of the main international Earth

Observation congresses. In the component of scientific projects as a principal investigator, I highly value the greater numbers of coordination by Vasco Mantas, especially in international projects of greater impact, as well as the higher funds raised globally, compared to the other candidates. The candidates Diogo Duarte, Luis Villalpando and Rúben Santos also have very meritorious functions of coordinating projects in the areas of the competition, however, in smaller numbers and with comparatively smaller budgets. In laboratory infrastructures, the only important reference is the candidate Vasco Mantas, with the creation and installation of a departmental laboratory of a computational nature dedicated to Earth Observation. In the organization of scientific events, both completed and in preparation, Vasco Mantas stands out in the development and coordination of this type of high-impact activity, namely, leading the organization of a large and relevant international congress, and with adaptation to the scientific areas of the competition. Finally, I value the high number of lectures by invitation by Vasco Mantas on topics directly related to the areas of the competition. The candidate David Vaz also presents a relevant, but smaller, number of this type of invitations, however, with a smaller framework in the areas of the competition.

B. Professional experience and training (5%)

The vast majority of candidates have a PhD and professional experience that broadly falls within the areas of Earth Sciences. The exception is the candidates Carlos Marques and Luis Villalpando, whose PhD areas are not specifically in Earth Sciences, but which I consider acceptable because they are in related areas, and also because they have professional experience and scientific curriculum in the areas of the competition. In this way, I consider that all candidates have the level and suitability for the position in the competition. However, I value the greater professional and training experience of Diogo Duarte, Rúben Santos and Vasco Mantas, in relation to the other candidates, for its greater extension, relevance and adequacy to the themes of Earth Observation.

C. Involvement in scientific advisory activities and participation in teaching activities (10%)

In the activities of postgraduate supervision, Vasco Mantas stands out globally, for the largest number of completed supervisions and also those that are in progress. In particular, at the PhD level, none of the candidates has completed supervisions, only three of the candidates have ongoing supervisions, and the total of Vasco Mantas' supervisions is greater than the sum of the supervisions of the other two candidates with this type of activity (David Vaz and Luis Villalpando). At the MSc level, the candidate Vasco Mantas clearly stands out again, with a number of supervisions practically equal to the sum of the supervisions of all the other candidates, whether completed or in progress. In the supervision of the final works of the bachelor's degree, I highlight the high number of supervisions by Rúben Santos. In the teaching of university curricular units, Vasco Mantas stands out, in the largest number and in the greatest suitability to the areas of the competition, followed by Rúben Santos and Diogo Duarte, with a smaller number of curricular units taught, also appropriate to the areas of the competition, and all with a good performance in the evaluation surveys carried out. All other candidates have an even smaller, residual or even non-existent participation in the teaching of curricular units.

D. Participation in management bodies (5%)

In participation in management bodies, I value the participation of Vasco Mantas as director of a departmental research laboratory (in progress), as well as David Vaz as a member of the directive board of the research unit (already completed). In the editorial activity, Vasco Mantas stands out as co-editor of several special issues of international journals. In the evaluation of scientific programs, I highlight the greater participation of Vasco Mantas in the appreciation of proposals for international projects and also of David Vaz in international panels, however, in topics other than Earth Observation. In the postgraduate academic juries (PhD and MSc), I value the greater participation of Vasco Mantas, but also, despite being fewer in number, of Diogo Duarte and Carlos Marques, with the remaining candidates having residual or no participation. In the participation in other juries, namely, in calls for research grants, David Vaz stands out, and then Vasco Mantas and Rúben Santos.

E. Community service (10%)

In the provision of specialized services, I highlight the most relevant activities of Rúben Santos and Vasco Mantas in the development of multiple computer applications and experimental prototypes. Additionally, the candidate Vasco Mantas stands out in offering training initiatives and content for communities not specialized in Earth Observation. In other types of actions, related to innovation and technology transfer, through the participation and presentation of topics related to Earth Observation in seminars, webinars or round tables, I highlight the activities developed by Diogo Duarte. On the other hand, none of the eight candidates demonstrates that they have participated in the development of patents, models or trademarks, or collaborated in the drafting of legislative projects or standards.

F. Quality of the scientific project (25%)

The scientific projects for the next 5 years that were presented by the candidates Diogo Duarte, Rúben Santos and Vasco Mantas, of good overall quality and high suitability to the areas of the competition, deserve greater mention. They clearly present the main problems to which they intend to dedicate themselves in future research, justifying relatively well their motivations and the options chosen. Although each of these proposals presents specific points of greater relevance in relation to the others, I consider that overall, they all present a very similar level, with innovative aspects in relation to the state of the art, with pertinent details and realistic feasibility and, therefore, not discriminating them from each other. The other proposals are of lower overall quality than those mentioned above. Although the proposals of the scientific projects of Carlos Marques and Luís Villalpando have a good scientific level and framework, both are of a more restricted scope and do not allow for such an adequate assessment of the impact and feasibility of their practical development. Mário Sequeira's project proposal is suitable for the areas of the competition, it is of interest from a practical point of view, but, using mostly established techniques, it proves to have a lower innovative component. The scientific project presented by David Vaz, focused essentially on planet Mars, despite establishing by analogy some links with Earth Observation, does so in a tenuous way, considering, therefore, that overall, it has

a lower framework in the themes of the competition. Finally, the candidate Siddique Baig did not present a proposal for a scientific project.

Tabela de classificação final

<i>Nome do candidato</i>	<i>AC (100%)</i>	<i>Mérito Absoluto</i>
Carlos Alberto Fernandes Marques	47.3	Aprovado
David Alegre Vaz	50.5	Aprovado
Diogo André Vicente Amorim Duarte	71.1	Aprovado
Luis Angel Espinosa Villalpando	38.2	Aprovado
Mario David da Costa Pereira Sequeira	30.4	Aprovado
Rúben José Chaves Miguel dos Santos	70.4	Aprovado
Siddique Ullah Baig	17.7	Aprovado
Vasco Manuel Jorge Soares Mantas	84.5	Aprovado

Legenda

AC: Avaliação Curricular.

<i>Ordenação</i>	<i>Nome do candidato</i>
1	Vasco Manuel Jorge Soares Mantas
2	Diogo André Vicente Amorim Duarte
3	Rúben José Chaves Miguel dos Santos
4	David Alegre Vaz
5	Carlos Alberto Fernandes Marques
6	Luis Angel Espinosa Villalpando
7	Mário David da Costa Pereira Sequeira
8	Siddique Ullah Baig

25/06/2025

Pedro Miguel Berardo Duarte Pina

Concurso internacional para ocupação de um posto de trabalho da carreira de investigação científica, na categoria de Investigador Auxiliar, área disciplinar de Ciências da Terra, especialidade de Observação da Terra, da Faculdade de Ciências e Tecnologia da Universidade de Coimbra, autorizado por Despacho do Magnífico Reitor datado de 19/01/2025 | Ref.ª IT074-25-14948

Avaliação e proposta de ordenação dos candidatos

Considerando os critérios de seleção e os parâmetros de avaliação constantes do Edital de abertura do concurso, procedi à classificação final, de acordo com a escala numérica de 0 a 100.

As classificações, que constam da tabela abaixo, traduzem, juntamente com a apreciação de natureza qualitativa, o meu juízo valorativo sobre o mérito dos candidatos no âmbito da Avaliação Curricular e Mérito Absoluto que fundamentam a proposta de ordenação intercalar que se apresenta de seguida.

Tabela de classificação intercalar

<i>Nome do candidato</i>	<i>QT (45%)</i>	<i>QP (25%)</i>	<i>EF (5%)</i>	<i>CP (10%)</i>	<i>PG (5%)</i>	<i>SC (10%)</i>	<i>Classificação intercalar</i>
Carlos Alberto Fernandes Marques	50.00	40.00	50.00	40.00	25.00	60.00	46.2
David Alegre Vaz	70.00	45.00	60.00	50.00	50.00	50.00	58.2
Diogo André Vicente Amorim Duarte	75.00	75.00	70.00	70.00	60.00	50.00	71.0
Luis Angel Espinosa Villalpando	50.00	65.00	60.00	45.00	15.00	25.00	49.5
Mário David da Costa Pereira Sequeira	40.00	70.00	70.00	0.00	0.00	15.00	40.5
Rúben José Chaves Miguel dos Santos	65.00	65.00	70.00	70.00	75.00	70.00	66.8
Siddique Ullah Baig	45.00	0.00	50.00	0.00	0.00	25.00	25.2

Vasco Manuel							
Jorge Soares	80.00	80.00	75.00	75.00	80.00	70.00	78.2
Mantas							

Legenda

QT: Qualidade do trabalho científico e técnico;

QP: Qualidade do projeto científico;

EF: Experiência e formação profissional;

CP: Contribuições em atividades de orientação científica e participação em atividades letivas;

PG: Participação em órgãos de gestão;

SC: Prestação de serviço à comunidade;

Classificação intercalar = QT 45% + QP 25% + EF 5% + CP 10% + PG 5% + SC %.

Apreciação qualitativa intercalar

Criteria 1

Vasco Mantas demonstrated superiority over the other candidates in participation/coordination of international projects and the attraction of funding. International collaboration, participation in national and international research networks, editorial activities in scientific journals, participation in editorial boards of scientific journals, and coordination and participation in program committees of scientific events are also more expressive when compared to the other candidates.

The candidate Diogo Duarte has a nice number of publications, citations, and indicators.

David Vaz presents very interesting scientific output, but in my opinion, in a marginal area.

Rúben Santos presents an interesting scientific profile, but with a medium international impact.

Luis Espinosa presents a reasonable number of publications, but not directly related to the subject of the competition.

Carlos Marques presents a low number of publications in the last ten years and a low international impact.

Mário Sequeira presents a very early, but promising, CV, justified by his recent doctorate degree.

Siddique Baig presents an interesting scientific profile, but with a low international impact.

Criteria 2

Vasco Manta presented a better-structured project with more scientific maturity and was more ambitious, too.

The project of Diogo Duarte is very adequate for the EO topic and well delineated, but a bit generic.

Mário Sequeira's project is under the scope of the EO topic, but it is very generic.

Rúben Santos' project is well justified in the scope of EO.

Luis Espinosa's project (AWARE-PLUS) is well-delineated, but not totally in the scope of EO.

In the David Vaz project, the connection between the current area of research of the candidate and the area of the competition (EO) is not clearly established.

Carlos Marques' project topic is marginal to the competition topic (EO).

Siddique Baig did not present a scientific project.

Criteria 3

Greater experience, especially international, of candidate Vasco Mantas. All the other candidates: Diogo Duarte, Mário Sequeira, Rúben Santos, David Vaz, Luis Espinosa, Carlos Marques and Siddique Baig demonstrate some activities related to development or participation in training programs and/or training actions in the area and sub-areas for which the competition is open.

Criteria 4

Vasco Mantas has supervised several bachelor's and master's theses, as well as one ongoing Ph.D. He is also responsible for multiple curricular units in the field of competition.

Diogo Duarte has taught three curricular units and supervised two master's theses.

Rúben Santos has experience teaching several curricular units (not related to Earth Observation) and has supervised multiple bachelor's theses.

Luis Espinosa has supervised two theses, at the master's and Ph.D. levels.

David Vaz has supervised three theses (bachelor's and master's) and is currently supervising one Ph.D. candidate.

Carlos Marques has taught one curricular unit and supervised one master's thesis.

Siddique Baig and Mário Sequeira have not reported any activity under this item.

Criteria 5

Vasco Mantas stands out for his participation as a jury member in European project competitions and several master's and doctoral theses.

Rúben Santos has participated in several curricular (internal) juris.

Diogo Duarte has participated in some curricular (internal) juris.

David Vaz has participated in several competitions, both internal and external.

Carlos Marques and Luis Espinosa presented a few topics related to this criterion.

Mário Sequeira and Siddique Baig did not present any achievement related to this criterion.

Criteria 6

Rúben Santos provided several highly relevant technical and scientific services to the community with an impact on society.

Vasco Mantas promoted various activities of scientific dissemination initiatives with society and has actively participated in obtaining competitive funding for research and development activities.

Carlos Marques has an active participation in obtaining competitive funding for research and development activities.

David Vaz has participated in dissemination actions and debates within society.

Diogo Duarte has participated in dissemination actions and debates within society and in several scientific actions.

Siddique Baig has participated in dissemination actions with medium impact.

Luis Espinosa participated in a COST Action, where the responsibilities include coordinating stakeholder activities, developing and disseminating communication materials.

Mário Sequeira presents some scientific dissemination activities to society

Tabela de classificação final

<i>Nome do candidato</i>	<i>AC (100%)</i>	<i>Mérito Absoluto</i>
Carlos Alberto Fernandes Marques	46.2	Aprovado
David Alegre Vaz	58.2	Aprovado
Diogo André Vicente Amorim Duarte	71.0	Aprovado
Luis Angel Espinosa Villalpando	49.5	Aprovado
Mário David da Costa Pereira Sequeira	40.5	Aprovado
Rúben José Chaves Miguel dos Santos	66.8	Aprovado
Siddique Ullah Baig	25.2	Aprovado
Vasco Manuel Jorge Soares Mantas	78.2	Aprovado

Legenda

AC: Avaliação Curricular



<i>Ordenação</i>	<i>Nome do candidato</i>
1	Vasco Manuel Jorge Soares Mantas
2	Diogo André Vicente Amorim Duarte
3	Rúben José Chaves Miguel dos Santos
4	David Alegre Vaz
5	Luis Angel Espinosa Villalpando
6	Carlos Alberto Fernandes Marques
7	Mário David da Costa Pereira Sequeira
8	Siddique Ullah Baig

25/06/2025

Ana Cláudia Moreira Teodoro

Concurso internacional para ocupação de um posto de trabalho da carreira de investigação científica, na categoria de Investigador Auxiliar, área disciplinar de Ciências da Terra, especialidade de Observação da Terra, da Faculdade de Ciências e Tecnologia da Universidade de Coimbra, autorizado por Despacho do Magnífico Reitor datado de 19/01/2025 | Ref.ª IT074-25-14948

Avaliação e proposta de ordenação dos candidatos

Considerando os critérios de seleção e os parâmetros de avaliação constantes do Edital de abertura do concurso, procedi à classificação final, de acordo com a escala numérica de 0 a 100.

As classificações, que constam da tabela abaixo, traduzem, juntamente com a apreciação de natureza qualitativa, o meu juízo valorativo sobre o mérito dos candidatos no âmbito da Avaliação Curricular e Mérito Absoluto que fundamentam a proposta de ordenação intercalar que se apresenta de seguida.

Tabela de classificação intercalar

<i>Nome do candidato</i>	<i>QT (45%)</i>	<i>QP (25%)</i>	<i>EF (5%)</i>	<i>CP (10%)</i>	<i>PG (5%)</i>	<i>SC (10%)</i>	<i>Classificação intercalar</i>
Carlos Alberto Fernandes Marques	50.00	60.00	50.00	25.00	25.00	25.00	46.2
David Alegre Vaz	75.00	75.00	75.00	50.00	50.00	50.00	68.8
Diogo André Vicente Amorim Duarte	70.00	50.00	90.00	60.00	50.00	25.00	59.5
Luis Angel Espinosa Villalpando	45.00	50.00	50.00	50.00	25.00	25.00	44.0
Mário David da Costa Pereira Sequeira	40.00	40.00	50.00	0.00	0.00	10.00	31.5
Rúben José Chaves Miguel dos Santos	50.00	50.00	75.00	70.00	60.00	50.00	53.8
Siddique Ullah Baig	40.00	0.00	50.00	60.00	0.00	30.00	29.5

Vasco Manuel	70.00	80.00	85.00	80.00	60.00	95.00	76.2
Jorge Soares							
Mantas							

Legenda

QT: Qualidade do trabalho científico e técnico;

QP: Qualidade do projeto científico;

EF: Experiência e formação profissional;

CP: Contribuições em atividades de orientação científica e participação em atividades letivas;

PG: Participação em órgãos de gestão;

SC: Prestação de serviço à comunidade;

Classificação intercalar = QT 45% + QP 25% + EF 5% + CP 10% + PG 5% + SC %.

Apreciação qualitativa intercalar

The main reasons for the ranking of the candidates are given in the next paragraphs, followed by an overview of each candidate's application.

I ranked Vasco Mantas ahead of David Vaz due to Vasco's clear and extensive experience in Earth Observations and his excellent track record in securing competitive funding. This is despite David having a slightly better publication record, which can be partly attributed to the longer period since his PhD compared to Vasco. Overall, Vasco has greater potential to contribute to the success of the department's research in Earth Observations. I ranked Diogo Duarte behind David primarily because Diogo's scientific project was generic and vague, lacking a clear scientific motivation. Rúben Santos was ranked behind Diogo due to his modest publication record compared to Diogo. Finally, Carlos Marques was ranked behind Rúben due to his limited participation in management activities and in attracting competitive funding.

Luis Villalpando and Mario Sequeira were ranked after Carlos Marques due to their modest publication records, limited supervision and teaching experience, and limited success in attracting competitive funding, which reflects their relatively short careers following their PhDs. Finally, the candidate Siddique Baing was ranked last for not providing a scientific project and for having a modest publication record.

Overview of each candidate Application

Carlos Marques:

The candidate has a reasonable track record of publications in reference journals, primarily in atmospheric sciences, with limited international collaborations. His background is in earth sciences with reduced supervision and teaching activities, as well as limited participation in management bodies and academic juries. Additionally, he has a modest experience in securing competitive funding. The scientific project is well-structured,

scientifically sound, and feasible based on his previous experience. However, the project's focus is on atmospheric sciences, with no activities related to earth observations and with a limited effort to establish international links.

David Vaz

The candidate has a good publication track record in Earth sciences, with some applications in Earth observation and relevant international experience. He has a background in Earth sciences, along with experience in Earth observation, as well as involvement in supervision and teaching activities. He has participated in the research institute management and served on the jury for several scholarship programs. He also has some experience in attracting competitive funding. The scientific project is well-structured, scientifically sound, and feasible. It aligns with the candidate's experience and builds on international collaborations, with a focus on Earth sciences and some applications in Earth observation.

Diogo Duarte:

The candidate has a good publication track record in Earth observation, with some international experience and involvement with both private and governmental institutions. He has a solid background in Earth observation and has participated in student supervision and teaching activities. He has also contributed to research institute management and served on thesis committees. While he has participated in several projects, he has not taken a leading role in attracting funding. The scientific project lacks a clear overarching scientific motivation or question and is somewhat vague and generic in its proposed use of Earth observation and machine learning techniques.

Luis Villalpando:

The candidate has a modest publication record in Earth sciences, which is expected given that he complete his PhD in 2021. He has a background in Earth sciences, but not specifically in Earth observation, and some experience in supervision and teaching activities, with limited participation in management activities or academic juries. While he has participated in projects, he has not taken a leading role in attracting competitive funding. The scientific project is well-structured and scientifically sound, aiming to establish links with local authorities. However, it lacks some international collaborations and shows limited ambition for the level expected of an assistant researcher.

Mario Sequeira:

The candidate has a modest publication record in Earth sciences, which is expected given that he completed his PhD in 2024. He has a background in Earth sciences, with limited experience in Earth observation, and no evidence of involvement in student supervision,

teaching, management activities, or project participation. He also has limited experience in attracting competitive funding. The scientific project is well-structured but lacks international collaboration and the level of ambition typically expected for an assistant researcher.

Rúben Santos:

The candidate has a modest publication track record, mostly in reference journals, along with some international exposure. He has a background in Earth sciences with experience in Earth observation, and relevant experience in supervision and teaching. He has also participated in international working groups and academic juries, as well as in research projects, with some experience in attracting competitive funding. The scientific project is well-structured and scientifically sound but has a limited scope and ambition for the level expected of an assistant researcher and lacks international collaborations.

Siddique Baig:

The candidate has a modest publication track record and some level of international experience. He has a background in Earth sciences and some teaching experience. There is no clear evidence of participation in management activities. He has limited experience in project involvement and in attracting competitive funding. The scientific project was not provided.

Vasco Mantas:

The candidate has a good publication record in earth observations with significant international exposure and collaborations. He has a solid background in earth observations, with a very relevant supervision and teaching experience. He has some management experience, editorial activities and relevant experience in academic juris. He has been very active and successful in obtaining competitive funding. The scientific project is well-structured and scientifically sound, with considerable ambition both in terms of scientific goals and the candidate's capacity to attract further funding. Although the objectives may be challenging to achieve, the proposed scientific problem and methods are well-justified and innovative.

Tabela de classificação final

<i>Nome do candidato</i>	<i>AC (100%)</i>	<i>Mérito Absoluto</i>
Carlos Alberto Fernandes Marques	46.2	Aprovado

David Alegre Vaz	68.8	Aprovado
Diogo André Vicente Amorim Duarte	59.5	Aprovado
Luis Angel Espinosa Villalpando	44.0	Aprovado
Mário David da Costa Pereira Sequeira	31.5	Aprovado
Rúben José Chaves Miguel dos Santos	53.8	Aprovado
Siddique Ullah Baig	29.5	Aprovado
Vasco Manuel Jorge Soares Mantas	76.2	Aprovado

Legenda

AC: Avaliação Curricular

<i>Ordenação</i>	<i>Nome do candidato</i>
1	Vasco Manuel Jorge Soares Mantas
2	David Alegre Vaz
3	Diogo André Vicente Amorim Duarte
4	Rúben José Chaves Miguel dos Santos
5	Carlos Alberto Fernandes Marques
6	Luis Angel Espinosa Villalpando
7	Mário David da Costa Pereira Sequeira
8	Siddique Ullah Baig

25/06/2025

Emanuel Nemésio de Sousa Dutra

Concurso internacional para ocupação de um posto de trabalho da carreira de investigação científica, na categoria de Investigador Auxiliar, área disciplinar de Ciências da Terra, especialidade de Observação da Terra, da Faculdade de Ciências e Tecnologia da Universidade de Coimbra, autorizado por Despacho do Magnífico Reitor datado de 19/01/2025 | Ref.ª IT074-25-14948

Avaliação e proposta de ordenação dos candidatos

Considerando os critérios de seleção e os parâmetros de avaliação constantes do Edital de abertura do concurso, procedi à classificação final, de acordo com a escala numérica de 0 a 100.

As classificações, que constam da tabela abaixo, traduzem, juntamente com a apreciação de natureza qualitativa, o meu juízo valorativo sobre o mérito dos candidatos no âmbito da Avaliação Curricular e Mérito Absoluto que fundamentam a proposta de ordenação intercalar que se apresenta de seguida.

Tabela de classificação intercalar

<i>Nome do candidato</i>	<i>QT (45%)</i>	<i>QP (25%)</i>	<i>EF (5%)</i>	<i>CP (10%)</i>	<i>PG (5%)</i>	<i>SC (10%)</i>	<i>Classificação intercalar</i>
Carlos Alberto Fernandes Marques	55.00	55.00	40.00	47.00	45.00	10.00	48.5
David Alegre Vaz	80.00	75.00	90.00	70.00	80.00	60.00	76.2
Diogo André Vicente Amorim Duarte	70.00	70.00	90.00	75.00	70.00	50.00	69.5
Luis Angel Espinosa Villalpando	50.00	55.00	50.00	50.00	0.00	10.00	44.8
Mário David da Costa Pereira Sequeira	50.00	65.00	45.00	0.00	40.00	60.00	49.0
Rúben José Chaves Miguel dos Santos	60.00	80.00	90.00	60.00	55.00	60.00	66.2
Siddique Ullah Baig	45.00	0.00	80.00	45.00	0.00	35.00	32.2

Vasco Manuel							
Jorge Soares	90.00	85.00	95.00	85.00	80.00	80.00	87.0
Mantas							

Legenda

QT: Qualidade do trabalho científico e técnico;

QP: Qualidade do projeto científico;

EF: Experiência e formação profissional;

CP: Contribuições em atividades de orientação científica e participação em atividades letivas;

PG: Participação em órgãos de gestão;

SC: Prestação de serviço à comunidade;

Classificação intercalar = QT 45% + QP 25% + EF 5% + CP 10% + PG 5% + SC %.

Apreciação qualitativa intercalar

1) Quality of scientific and technical work

Vasco Mantas publication record clearly fits within the area and particularly within the sub-area of this selection process (Earth Observation). Despite the variability in the number of papers published per year and in their relevance, the area of research and the subject of the most recent works are considered to be very pertinent and potentially high-impact (particularly the work on the GPM mission). This candidate has shown an excellent capacity for international collaboration, particularly within the sub-area of this job. The CV also suggests a high capacity to attract projects, potentially relevant to the research activity at the UC. For all these points, I consider V. Mantas to be the best ranked in this criterion.

David Vaz presents a consistent CV, with solid work in line with the theme of his PhD. The co-authors of his scientific publications/communications reveal the collaboration with several national and international researchers, as well as his involvement in scientific projects. Nevertheless, the impact and scope of the activities of candidate V. Manta are considered to be higher and more adequate for the sub-area of this selection process.

Diogo Duarte has a good CV, especially when taking into account the date of his PhD. His publications (many as first author) are in areas related to this call and he has participated in various national or international projects. However, other candidates (D. Vaz, V. Mantas) have a broader and more consolidated technical and scientific path.

Rúben Santos is considered to be ranked 4th in this criterion. The candidate is experienced in Earth Sciences and has a few publications and/or presentations in Earth Observation. He has contributed to projects and project proposals, as well as to computer applications or experimental prototypes. Nevertheless, the number of publications, as well as their impact, is relatively limited when compared to other candidates.

Carlos Marques' CV is less comprehensive than that of above-mentioned candidates. His publications fall within the Earth Sciences, but, in general, have little affinity with the

sub-area of Earth Observation. Furthermore C. Marques only appears as first author in 2 out of 5 of the most relevant works indicated by the candidate.

Mário Sequeira has a good set of publications and communications related to Earth Sciences, taking into account that he has completed his PhD in 2024. Despite having a very good CV for a young researcher, it is objectively more limited than that of other more experienced candidates.

Luis Villalpando has some relevant publications in Earth Sciences and recent experience coordinating a Cost-Action. Nevertheless, his technical-scientific career lags behind that of other candidates.

S. Baig's CV features some publications and presentations at relatively low-impact conferences. In general, his CV is significantly poorer than that of other candidates.

2) *Quality of the scientific project*

V. Mantas presents a well-structured and very ambitious project, aiming to use Earth Observation data to address complex scientific questions of the climate system. Taking into account the overall set of projects under evaluation, this is the one that potentially has the greatest impact.

The project proposed by R. Santos is well outlined, with clearly identified objectives and targeted innovative results. The impact of such a project on the research at the UC would depend essentially on the partners involved. Overall, it is considered that the potential impact of the results would likely be lower than those of the proposal made by V. Mantas.

D. Vaz's project is in line with the work he has been doing over the past years: from the UC's point of view, it could be interesting to consolidate an ongoing line of research, where there are already international collaborations. However, it does not open up prospects for pursuing other themes. Focusing on the sub-area of this call, the projects proposed by the candidates V. Mantas and R. Santos are potentially the most interesting.

D. Duarte elaborates lines of activities, but not exactly a structured project. The lines of activities focus essentially on methodological and technical aspects, which, while relevant, do not look into open scientific questions in Earth Sciences.

M. Sequeira proposes the use of data and EO tools to advance topics that are close to his area of expertise. The strategy makes sense, but it clearly reveals the candidate's weaknesses in Earth Observation.

C. Marques' project falls within the area of Earth Sciences, but not in Earth Observation, while L. Villalpando's proposal presents many elements that are unclear and difficult to assess in terms of feasibility.

S. Baig did not submit any project.

3) *Experience and professional training*

V. Mantas, D. Vaz, D. Duarte and R. Santos have adequate professional training and experience within the area and subarea of this call. V. Mantas' collaboration with space agencies (including NASA) is considered as a competitive advantage.

Although the educational background of S. Baig seems appropriate to the area/sub-area of the call, his overall professional path is considered to be insufficiently described

L. Villalpando has a PhD in an area relevant to Earth Sciences, but he has relatively limited experience in Earth Observation. The background of M. Sequeira and C Marques are considered to be further away from the subarea of Earth Observation.

4) *Contributions in scientific orientation activities and participation in teaching activities V. Mantas stands out in terms of teaching experience, with various disciplines in the sub-area of the competition and the supervision of master's and PhD students.*

D. Duarte and D. Vaz also indicate relevant teaching and supervising experience. R. Santos CV elements related to this criterion are very uneven. The remaining candidates either have teaching experience in areas that are not directly related to Earth Observation, or do not indicate any experience in teaching or supervising at all.

5) *Management Bodies*

Both V. Mantas and D. Vaz have a significant track record in terms of organizing scientific events, participating in juries, revising journal articles and contributing to managing research labs. Other candidates follow closely in these aspects. The final ranking took into account the frequency and difficulty attributed to the activities described in their CVs.

6) *Community Service*

The outreach activities together with (non-academic) contracts in V. Mantas' CV put him again in an advanced position with respect to other candidates. The successful funding proposals that counted with D. Vaz contributions are also highly regarded. The overall ranking within this criterion took again the number and difficulty of activities related to outreach, writing of funding proposal and other services or contracts that can be considered an output of applied research.

Tabela de classificação final

<i>Nome do candidato</i>	<i>AC (100%)</i>	<i>Mérito Absoluto</i>
Carlos Alberto Fernandes Marques	48.5	Aprovado
David Alegre Vaz	76.2	Aprovado
Diogo André Vicente Amorim Duarte	69.5	Aprovado
Luis Angel Espinosa Villalpando	44.8	Aprovado

Mário David da Costa Pereira Sequeira	49.0	Aprovado
Rúben José Chaves Miguel dos Santos	66.2	Aprovado
Siddique Ullah Baig	32.2	Aprovado
Vasco Manuel Jorge Soares Mantas	87.0	Aprovado

Legenda

AC: Avaliação Curricular

<i>Ordenação</i>	<i>Nome do candidato</i>
1	Vasco Manuel Jorge Soares Mantas
2	David Alegre Vaz
3	Diogo André Vicente Amorim Duarte
4	Rúben José Chaves Miguel dos Santos
5	Mário David da Costa Pereira Sequeira
6	Carlos Alberto Fernandes Marques
7	Luis Angel Espinosa Villalpando
8	Siddique Ullah Baig

25/06/2025

Isabel Alexandra Martinho Franco Trigo

Concurso internacional para ocupação de um posto de trabalho da carreira de investigação científica, na categoria de Investigador Auxiliar, área disciplinar de Ciências da Terra, especialidade de Observação da Terra, da Faculdade de Ciências e Tecnologia da Universidade de Coimbra, autorizado por Despacho do Magnífico Reitor datado de 19/01/2025 | Ref.ª IT074-25-14948

Avaliação e proposta de ordenação dos candidatos

Considerando os critérios de seleção e os parâmetros de avaliação constantes do Edital de abertura do concurso, procedi à classificação final, de acordo com a escala numérica de 0 a 100.

As classificações, que constam da tabela abaixo, traduzem, juntamente com a apreciação de natureza qualitativa, o meu juízo valorativo sobre o mérito dos candidatos no âmbito da Avaliação Curricular e Mérito Absoluto que fundamentam a proposta de ordenação intercalar que se apresenta de seguida.

Tabela de classificação intercalar

<i>Nome do candidato</i>	<i>QT (45%)</i>	<i>QP (25%)</i>	<i>EF (5%)</i>	<i>CP (10%)</i>	<i>PG (5%)</i>	<i>SC (10%)</i>	<i>Classificação intercalar</i>
Carlos Alberto Fernandes Marques	62.00	65.00	70.00	62.00	50.00	50.00	61.4
David Alegre Vaz	82.00	78.00	82.00	65.00	55.00	72.00	77.0
Diogo André Vicente Amorim Duarte	78.00	84.00	80.00	75.00	50.00	72.00	77.3
Luis Angel Espinosa Villalpando	65.00	65.00	65.00	65.00	50.00	65.00	64.2
Mário David da Costa Pereira Sequeira	55.00	70.00	10.00	50.00	50.00	60.00	56.2
Rúben José Chaves Miguel dos Santos	74.00	72.00	90.00	85.00	50.00	85.00	75.3
Siddique Ullah Baig	58.00	0.00	70.00	55.00	20.00	25.00	38.6
Vasco Manuel Jorge Soares Mantas	78.00	88.00	85.00	77.00	60.00	85.00	80.5

Legenda

QT: Qualidade do trabalho científico e técnico;
QP: Qualidade do projeto científico;
EF: Experiência e formação profissional;
CP: Contribuições em atividades de orientação científica e participação em atividades letivas;
PG: Participação em órgãos de gestão;
SC: Prestação de serviço à comunidade;
Classificação intercalar = QT 45% + QP 25% + EF 5% + CP 10% + PG 5% + SC %.

Apreciação qualitativa intercalar

Evaluation Report on the international tender to fulfil one vacancy for the position of Assistant Researcher in the scientific area of Earth Sciences (subarea of Earth Observation) with the Public tender reference IT074-25-14948

For this tender (IT074-25-14948) promoted by the University of Coimbra, the Faculty of Science and Technology and the Department of Earth Sciences, the absolute merit criteria were defined as:

- i. Be the author or co-author of at least 8 (eight) publications indexed in Web of Science or Scopus and have an h-index equal to or greater than 5 (five); or*
- ii. Coordination of at least 1 (one) scientific project with a total amount of funding equal to or greater than 10,000 euros (ten thousand euros); or*
- iii. Guidance or co-supervision of at least 2 (two) successfully completed master's and/or doctoral theses.*

The following list of applicants have met, at least, one of the above-mentioned absolute merit criteria and were therefore evaluated:

- A - Carlos Alberto Fernandes Marques
- B - David Alegre Vaz
- C - Diogo André Vicente Amorim Duarte
- D - Luis Angel Espinosa Villalpando
- E - Mário David da Costa Pereira Sequeira
- F - Rúben José Chaves Miguel dos Santos
- G - Siddique Ullah Baig
- H - Vasco Manuel Jorge Soares Mantas

The applicants were evaluated on their scientific and curricular background based on:

- i) Quality of the scientific and technical work, with a weighting of 45%.
- ii) Professional experience and training, with a weighting of 5%.

- iii) Involvement in scientific advisory activities and participation in teaching activities, with a weighting of 10%.
- iv) Participation in management bodies, with a weighting of 5%.
- v) Community service, with a weighting of 10%.
- vi) Quality of the scientific project in the area and sub-area for which the tender is open, with a weighting of 25%.

Below, I present the rationale that supported the evaluation performed.

As a member of the jury of this tender for a permanent position as Assistant Researcher I scrupulously followed the Public Notice to assess the scientific and curricular background of each candidate. I considered all the information provided by the applicants to detail their performance on the six criteria mentioned above but I also focused on the impact of their past research, progress in their academic career and on the potential future research impact and future imprint within the host institution. Furthermore, the applicants' profiles were quite diverse (in terms of scientific scope, stage of the career, teaching experience, etc.) which led me to contextualize production and metrics. I focused more on the perceived research impact already (and to be) achieved than on absolute publication metric values.

All classifications and ranks are presented on **Tabela de classificação intercalar**. Nevertheless, below a brief rationale for each candidate classification is provided (in alphabetical order).

A - Carlos Alberto Fernandes Marques

Applicant Carlos Alberto Fernandes Marques has a solid career in Climate and Atmospheric Sciences. Departing from a background in Physics, his academic career has evolved around the study of Equatorial waves forecasts. He has several relevant publications on Q1 journals such as Quarterly Journal of the Royal Meteorological Society among other important journals within the Atmospheric Sciences realm. Despite the relevance of the research focus it falls somewhat peripheral to Earth Observation in Geosciences, sensu strictum. The candidate presents a very limited number of projects over the last decade. It is also worth mentioning the development of a software application by the candidate. However, 14 years after the PhD dissertation, one would expect a higher degree of internationalization that was not clear from the documents made available. In what concerns academic (lecturing and supervisions), the candidate has a somewhat modest cv with very limited numbers of PhD supervision. Furthermore, it was also limited the range of modules taught that fit within my concept of Earth Observation. The project presented does not provide any clear clue how it would fit within the University of Coimbra, the Faculty of Science and Technology and the Department of Earth Sciences strategies for research and academic development. The research project backbone seems to be more related with Atmospheric Sciences then with applied Earth Observation. Classification is detailed on **Tabela de classificação intercalar**.

Rank for Carlos Alberto Fernandes Marques is the 6th position within the applicants.

B - David Alegre Vaz

Applicant David Alegre Vaz demonstrated a very good scientific profile on Earth Observation, *sensu lato*. However, as the candidate observes on its application, the suitability of its application to this Tender procedure is somewhat subjective. I opted to consider a broader scope of Earth Observation which also partially includes a planetary sciences perspective.

The candidate has an extremely solid academic background in Geology with a career devoted to better understand tectonics, sediment dynamics, aeolian processes and the geomorphological evolution of Mars. This research focus has provided the candidate with the grasp on a wide range of Earth Observation tools to better quantify the processes described above. The candidate presents a good degree of internationalization both on scientific papers, projects and mobility. His publication record is among the strongest on this tender with several first authored papers on very well considered journals such as Geomorphology, Aeolian Research or Earth and Planetary Science Letters. His reviewer activities are also worth of notice. The candidate also demonstrates capacity to attract funding opportunities as PI and co-PI. The amount of funds secured are however somewhat limited although suitable for the production demonstrated. I would like to stress the role played by the candidate on securing its research centre planetary data resources are well-maintained on the cluster facilities by the Advanced Computing services of the University of Coimbra.

Finally, the research project presented is thoroughly explained and structured. Its scope, objectives, methodological tools are both consistent and ambitious. Potential international collaborations demonstrated. However, the development strategy of this line of research within the host institution is somewhat poorly detailed. The integration of this research within the institution research strategy could have been better envisaged.

Classification is detailed on **Tabela de classificação intercalar**.

Rank for David Alegre Vaz is the 3rd position within the applicants.

C - Diogo André Vicente Amorim Duarte

Applicant Diogo André Vicente Amorim Duarte has an extremely solid academic background in Remote Sensing and Earth Observation despite his BSc in Civil Engineering. His PhD from the University of Twente attests his internationalization which was later strengthen by other collaborations. His publication record is very competitive and with an impressive number of recent first authorships demonstrating its growing leading capacity. Also worth mentioning is the diverse earth observation methodologies grasped, and the tools developed for a wide range of application (from building damage assessment to coastal studies). The application of the science developed by Diogo André Vicente Amorim Duarte is evident. Another sign of the suitability of this candidate to this position is observed when one analyses the publications journals list which is perfectly fit within Earth Observation. The leadership and capacity to attract competitive R&D funds is somewhat modest despite the junior stage of the candidate's academic career. The scientific project is well-structured with a clear vision of concepts, methodologies, network and knowledge return to the institution. It is clearly focused on Earth

Observation tools and its applications addressing societal challenges. It also provides a clear strategy for developing a research line within the institution.

Classification is detailed on **Tabela de classificação intercalar**.

Rank for Diogo André Vicente Amorim Duarte is the 2nd position within the applicants.

D - Luis Angel Espinosa Villalpando

Candidate Luis Angel Espinosa Villalpando has a strong academic background and research focus on Earth Observation, sensu lato. His participation in R&D projects can be considerable as good although with limited leadership. His participation in training and lecturing activities is robust but there seems to be a limited number of modules taught with the Earth Sciences field of science. His project is relevant for Earth Sciences but somewhat limited in Earth Observation.

Classification is detailed on **Tabela de classificação intercalar**.

Rank for Luis Angel Espinosa Villalpando is the 5th position within the applicants.

E - Mário David da Costa Pereira Sequeira

Applicant Mário David da Costa Pereira Sequeira is a recent doctorate in Geosciences where he developed work using Earth Observation tools analysing one of the most important resources on Earth, the water. His very junior career position constrains his ability to present a very competitive application with a limited number of publications presented and a low number of citations (related with the recent publications of his works). His internationalization is limited and constrains the vision in terms of future research perspectives. He has provided a very good scientific project and should feel encourage for his research vision on this.

Classification is detailed on **Tabela de classificação intercalar**.

Rank for Mário David da Costa Pereira Sequeira is the 7th position within the applicants.

F - Rúben José Chaves Miguel dos Santos

Candidate Rúben José Chaves Miguel dos Santos demonstrated a very good academic background with a strong publication record, even if a limited number of first authorships. He demonstrated an impressive list of teaching experience and supervisions and modules taught. He also demonstrated an excellent ability to oversee a wide range of Earth Observation tools. These tools have been applied in several R&D projects and the involvement of the candidate in those projects is substantial.

The amount of funds directly secured is somewhat limited, but the participation of the candidate is considerable, as mentioned above. Another important aspect of the

candidate's application is the scientific project presented which was of very good quality but with limited integration in the host institution research strategy.

Classification is detailed on **Tabela de classificação intercalar**.

Rank for Rúben José Chaves Miguel dos Santos is the 4th position within the applicants.

G - Siddique Ullah Baig

Candidate Siddique Ullah Baig presented a somewhat incomplete application with no scientific project presented; this greatly constrained its evaluation. Furthermore, it was not clear the major scientific contribution, within Earth Observation the candidate was planning to offer to the host institution. The candidate presented a modest publication record, and it was not possible to perceive its involvement in R&D projects and funding captured.

The candidate demonstrated a commitment to address societal challenges in its research but with limited impact demonstrated. A application that is constrained by the lack of clear indicators provided.

Classification is detailed on **Tabela de classificação intercalar**.

Rank for Siddique Ullah Baig is the 8th position within the applicants.

H - Vasco Manuel Jorge Soares Mantas

Applicant Vasco Manuel Jorge Soares Mantas presented a very strong application. He demonstrated a strong grasp of Earth Sciences tools to address climate change and energy transition challenges. However, his publication record is limited and not well-balanced with the amount of funds secured. In fact, the amount of funds secured by the applicant is impressive even if somewhat dispersed in the research focus of the R&D projects. The candidate demonstrated an impressive commitment to training, having led a numerous workshop and short courses throughout his career. The project presented is extremely well-structured and provides a clear vision of integration within the host institution research strategy.

Classification is detailed on **Tabela de classificação intercalar**.

Rank for Vasco Manuel Jorge Soares Mantas is the 1st position within the applicants.

In a direct comparative classificatory analysis by rank:

Candidate ranked on the 7th position (Mário Sequeira) presented a more robust research project than candidate ranked on the 8th position (Siddique Ullah Baig).

Candidate ranked on the 6th position (Carlos Marques) demonstrated a larger participation in R&D, as well as the original development of software, when compared with candidate ranked on the 7th position.

Candidate ranked on the 5th position (Luís Espinosa Villalpando) demonstrated a stronger academic background and research focus on Earth Observation when compared with candidate ranked on the 6th position.

Candidate ranked on the 4th position (Rúben Santos) demonstrated a more extensive academic and research background and strong publication record when compared with candidate ranked on the 5th position.

Candidate ranked on the 3rd position (David Vaz) demonstrated a much stronger publication record than candidate ranked on the 4th position.

Candidate ranked on the 2nd position (Diogo Duarte) presented a better research project than candidate ranked on the 3rd position.

Candidate ranked on the 1st position (Vasco Mantas) presented, by far, the largest amounts of competitive research funds obtained, a very strong dissemination and training strategy, as well as a very good research project.

Based on the above, final classification was the following:

1. H - Vasco Manuel Jorge Soares Mantas
2. C - Diogo André Vicente Amorim Duarte
3. B - David Alegre Vaz
4. F - Rúben José Chaves Miguel dos Santos
5. D - Luis Angel Espinosa Villalpando
6. A- Carlos Alberto Fernandes Marques
7. E - Mario David da Costa Pereira Sequeira
8. G - Siddique Ullah Baig

Tabela de classificação final

<i>Nome do candidato</i>	<i>AC (100%)</i>	<i>Mérito Absoluto</i>
Carlos Alberto Fernandes Marques	61.4	Aprovado
David Alegre Vaz	77.0	Aprovado
Diogo André Vicente Amorim Duarte	77.3	Aprovado
Luis Angel Espinosa Villalpando	64.2	Aprovado
Mário David da Costa Pereira Sequeira	56.2	Aprovado
Rúben José Chaves Miguel dos Santos	75.3	Aprovado



Siddique Ullah Baig	38.6	Aprovado
Vasco Manuel Jorge Soares Mantas	80.5	Aprovado

Legenda

AC: Avaliação Curricular.

<i>Ordenação</i>	<i>Nome do candidato</i>
1	Vasco Manuel Jorge Soares Mantas
2	Diogo André Vicente Amorim Duarte
3	David Alegre Vaz
4	Rúben José Chaves Miguel dos Santos
5	Luis Angel Espinosa Villalpando
6	Carlos Alberto Fernandes Marques
7	Mário David da Costa Pereira Sequeira
8	Siddique Ullah Baig

25/06/2025

Pedro José Miranda da Costa

Professor Associado

Departamento de Ciências da Terra

Faculdade de Ciências e Tecnologia

Universidade de Coimbra

Concurso internacional para ocupação de um posto de trabalho da carreira de investigação científica, na categoria de Investigador Auxiliar, área disciplinar de Ciências da Terra, especialidade de Observação da Terra, da Faculdade de Ciências e Tecnologia da Universidade de Coimbra, autorizado por Despacho do Magnífico Reitor datado de 19/01/2025 | IT074-25-14948

LISTA DE CLASSIFICAÇÃO FINAL

A presente Lista de Classificação Final foi elaborada nos termos do n.º 7 do artigo 26.º do Estatuto da Carreira de Investigação Científica, na sua redação atual, e do n.º 6 do artigo 27.º do Regulamento de Recrutamento, Contratação e Prestação de Serviço de Pessoal de Investigação Científica da Universidade de Coimbra, em resultado das votações apresentadas pelo Júri do concurso em epígrafe, em reunião que decorreu no dia 25/06/2025.

<i>Nome</i>	<i>Ordenação Final</i>
Vasco Manuel Jorge Soares Mantas	1.º
Diogo André Vicente Amorim Duarte	2.º
David Alegre Vaz	3.º
Rúben José Chaves Miguel dos Santos	4.º
Carlos Alberto Fernandes Marques	5.º
Luis Angel Espinosa Villalpando	6.º
Mário David da Costa Pereira Sequeira	7.º
Siddique Ullah Baig	8.º

25/06/2025

O Júri,



Concurso internacional para ocupação de um posto de trabalho da carreira de investigação científica, na categoria de Investigador Auxiliar, área disciplinar de Ciências da Terra, especialidade de Observação da Terra, da Faculdade de Ciências e Tecnologia da Universidade de Coimbra, autorizado por Despacho do Magnífico Reitor datado de 19/01/2025 | IT074-25-14948

Relatório Final

O presente relatório final, contendo a identificação dos candidatos admitidos e posteriormente aprovados em mérito absoluto, no procedimento concursal em epígrafe, foi elaborado nos termos do disposto no nº 3 do artigo 27.º do Estatuto da Carreira de Investigação Científica, na sua redação atual, em resultado das deliberações tomadas pelos Membros do Júri, no decurso da reunião que decorreu no dia vinte e cinco do mês de junho de dois mil e vinte e cinco.

Findo o prazo de trinta dias para apresentação de candidaturas, no dia seis de maio de dois mil e vinte e cinco, o Júri reuniu com o objetivo de verificar o cumprimento dos requisitos de admissão ao concurso e, subsequentemente, deliberar sobre a admissão/exclusão dos/as candidatos/as.

O Júri entendeu, unanimemente, que os nove candidatos que se apresentaram a concurso cumpriam os requisitos objetivos para as suas candidaturas poderem ser admitidas.

Tendo em conta o disposto no ponto VI.2.1 do Aviso de Abertura, não havendo candidatos/as excluídos/as, o Júri realizou no mesmo dia a avaliação em mérito absoluto dos nove candidatos, tendo deliberado por unanimidade não aprovar em mérito absoluto, apenas o candidato Majid Mostafavi por não cumprir qualquer um dos três requisitos fixados no ponto V.2.1 do Aviso de abertura, designadamente, por não ser autor ou coautor de, pelo menos, 8 (oito) publicações indexadas em Web of Science ou Scopus e não ter um h-index igual ou superior a 5 (cinco); não ter coordenado, pelo menos, 1 (um) projeto científico com um montante total de financiamento igual ou superior a 10 000 euros (dez mil euros), nem ter orientado nem coorientado, pelo menos, 2 (duas) teses de mestrado e/ou doutoramento concluídas com sucesso. Os outros oito candidatos foram, unanimemente, aprovados em mérito absoluto.

Mais, deliberou o Júri, por unanimidade, não realizar naquela data a “*avaliação do percurso científico e curricular*” aos candidatos aprovados em mérito absoluto, nem elaborar a lista de classificação final e o relatório final, porquanto, face ao número de candidatos a concurso, não foi possível analisar aprofundada e cuidadosamente a documentação entregue pelos candidatos.

A reunião foi suspensa e prosseguiu no dia vinte e cinco de junho, tendo o Júri debatido o percurso científico e curricular dos candidatos, e posteriormente, cada Membro avaliou, quantitativa e qualitativamente, os percursos científicos e curriculares, e nesta medida elaborou e subscreveu um documento do qual conta a avaliação e a seriação individual dos candidatos.

Seguidamente, em obediência ao disposto no ponto VII do aviso de abertura e respeitando a seriação individual, o Júri realizou votações sucessivas com vista à ordenação final dos candidatos.

O Júri foi unânime nos votos atribuídos para o posicionamento dos candidatos nas primeira, quarta e sétima posições, enquanto nas restantes o posicionamento dos candidatos resultou da maioria absoluta dos/as Membros do Júri.

Das rondas de votações resultou a seguinte lista de classificação final:

- 1** - Vasco Manuel Jorge Soares Mantas
- 2** - Diogo André Vicente Amorim Duarte
- 3** - David Alegre Vaz
- 4** - Rúben José Chaves Miguel dos Santos
- 5** - Carlos Alberto Fernandes Marques
- 6** - Luis Angel Espinosa Villalpando
- 7** - Mário David da Costa Pereira Sequeira
- 8** - Siddique Ullah Baig

No que concerne à avaliação do percurso científico e curricular das Candidatos, por intermédio da aplicação dos critérios de avaliação fixados no Aviso de abertura, evidenciamos os seguintes aspetos:

O candidato Vasco Manuel Jorge Soares Mantas foi o melhor classificado em todos os critérios pela maioria dos Membros do Júri.

Da avaliação qualitativa realizada pelos Membros do Júri destacamos as seguintes notas:

O candidato Vasco Mantas destaca-se clara e expressivamente em relação aos restantes candidatos, na coordenação de projetos internacionais de maior impacto, assim como as mais elevadas verbas captadas globalmente, em que a sua colaboração com agências espaciais (incluindo a NASA) é considerada uma vantagem competitiva. Destaca-se também no número de ‘revisões’ efetuadas, de manuscritos submetidos a revistas internacionais nas áreas do concurso;

O candidato Rúben Santos destaca-se, pela quantidade e adequação, nas publicações em atas de conferências, capítulos de livros e outras publicações científicas enquadradas nas áreas científicas do concurso;

Na participação em órgãos de gestão, foi valorizada a participação de Vasco Mantas como diretor de laboratório departamental de investigação (em curso), assim como de David Vaz como membro da direção de unidade de investigação (já terminada);

O candidato Diogo Duarte destaca-se nas atividades desenvolvidas em ações relacionadas com inovação e transferência de tecnologia, através da participação e apresentação de temas relacionados com a Observação da Terra em seminários, webinars ou mesas redondas;

Os projetos científicos apresentados pelos candidatos Diogo Duarte, Rúben Santos e Vasco Mantas, também merecem destaque por serem de boa qualidade global e adequação elevada às áreas do concurso;

O registo de publicações do candidato David Vaz está entre os mais fortes neste concurso, com vários artigos de primeira autoria em revistas muito bem consideradas, no entanto, relacionados na maioria com tópicos distintos de Observação da Terra. As suas atividades como revisor são igualmente dignas de nota.

O projeto de Luis Espinosa está bem delineado, mas não totalmente no âmbito da EO, apesar de o candidato ter uma sólida formação académica e a sua investigação se poder considerar centrada na Observação da Terra, sensu lato. A sua participação em projetos de I&D pode ser considerada boa, embora com uma liderança limitada. A sua participação em atividades de formação e palestras é robusta, mas com um número limitado de módulos ensinados no campo científico das Ciências da Terra;

O candidato Rúben Santos prestou vários serviços técnicos e científicos de relevância à comunidade com impacto na sociedade, contribuiu para projetos e propostas de projetos, bem como para aplicações informáticas ou protótipos experimentais. No entanto, o número de publicações, bem como o seu impacto, é relativamente limitado quando comparado com outros candidatos;

O candidato Carlos Marques revelou uma participação limitada nas atividades de gestão e na captação de financiamento competitivo;

Os candidatos Luis Villalpando e Mário Sequeira demonstraram modestos registos de publicação, experiência limitada de supervisão e ensino, e sucesso limitado em atrair financiamento competitivo, o que reflete as suas carreiras relativamente curtas após os seus doutoramentos;

O candidato Mário Sequeira tem um bom conjunto de publicações e comunicações relacionadas com as Ciências da Terra, no entanto, ainda reduzido, tendo em conta que concluiu o seu doutoramento em 2024, mas tem um bom currículo para um jovem investigador, tendo apresentado um meritório projeto científico;

O candidato Siddique Baing foi classificado em último lugar por, entre outras razões, não apresentar um projeto científico e por ter um registo de publicações modesto.

Chegados a esta fase do concurso, seguir-se-á a notificação aos candidatos das deliberações do Júri respeitantes à avaliação do percurso científico e curricular, bem como da lista de classificação final; e no caso de não haver pronúncias por parte dos candidatos, o concurso seguirá para homologação, nos termos do disposto no artigo 27º do Estatuto da Carreira da Investigação Científica e 31º do Regulamento de Recrutamento, Contratação e Prestação de Serviço de Pessoal de Investigação Científica da Universidade de Coimbra, Regulamento n.º 810/2021.

Coimbra, 25 de junho de 2025

O Júri,



