

# Mobility Agreement

## Staff Mobility For Training<sup>1</sup>

Planned period of the training activity: from [27/05/2024] till [31/05/2024]

Duration (days) – excluding travel days: .....5.....

Please contact the people in charge of mobility within your own institution to apply for an Erasmus mobility grant

### The Staff Member

<b>Last name (s)</b>					
<b>First name (s)</b>					
<b>Seniority<sup>2</sup></b>		<b>Nationality<sup>3</sup></b>		<b>Gender</b>	
<b>e-mail</b>				<b>Academic year</b>	2023/2024

### The Sending Institution

<b>Name</b>		<b>Erasmus code<sup>4</sup></b> (if applicable)	
<b>Faculty/ Department</b>			
<b>Address</b>		<b>Country/ Country code<sup>5</sup></b>	
<b>Contact person</b>	<b>Name</b>		
	<b>Position</b>		
	<b>e-mail</b>		
	<b>Phone</b>		

### The Receiving Institution / Enterprise<sup>6</sup>

<b>Name</b>	UNIVERSITY OF CADIZ	<b>Erasmus code</b> (if applicable)	E CADIZ01
<b>Faculty/ Department</b>	Escuela Técnica Superior de Ingeniería de Algeciras (ETSIA) - Algeciras School of Engineering and Technology (ASET)		
<b>Address</b>	Avenida Ramón Puyol S/N 11202 Algeciras	<b>Country/ Country code</b>	SPAIN / ES
<b>Contact person</b>	<b>Name</b>	Francisco Javier González Gallero	
	<b>Position</b>	Coordinator of International Relations	
	<b>e-mail</b>	<a href="mailto:internacional.etsia@uca.es">internacional.etsia@uca.es</a>	
	<b>Phone</b>	+34 956 028000	
<b>Size of enterprise (if applicable)</b>			<input type="checkbox"/> <250 employees <input checked="" type="checkbox"/> >250 employees

For guidelines, please look at the end notes on page 3.

**Section to be completed BEFORE THE MOBILITY****I. PROPOSED MOBILITY PROGRAMME**

Language of training: English and Spanish

**Overall objectives of the mobility:**

**International Staff Week: *Research and Technology Transfer at ASET* ([\*Algeciras School of Engineering and Technology\*](#)): *Our experience and cooperation opportunities.***

Showing and sharing the experiences developed by the various research groups of the School (ASET) in the execution of their research and technology transfer projects with the aim of enhancing international cooperation with other foreign groups of similar interests.

**Training activity to develop pedagogical and/or curriculum design skills: Yes ☐ No ☒**

**Added value of the mobility (in the context of the modernisation and internationalisation strategies of the institutions involved):**

Mobility and participation in this event will help create new bonds of research cooperation (through involvement in joint projects at both national and international levels, research articles, research stays, etc.) and strengthen existing ones.



**Schedule**

Venue	ASET	ASET	UCA-SEA	UCA-SEA	ASET
Date	27 May	28 May	29 May	30 May	31 May
Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 9:30		Presentation of ASET	Presentation of UCA-SEA	PhD Programme: Energy and Sustainable Engineering	
9:30 - 10:00		Seminar 1: Research Group 1	Seminar 5: Research Group 5	Seminar 8: Research Group 8	
10:00 - 10:30	Registration of participants				Summary and closing remarks
10:30 - 11:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Roundtable
11:00 - 11:30	Opening session	Seminar 2: Research Group 2	Seminar 6: Research Group 6	Seminar 9: Research Group 9	
11:30 - 12:00					Closing ceremony
12:00 - 12:30	Getting to know each other / Speed dating	Seminar 3: Research Group 3	Seminar 7: Research Group 7	Seminar 10: Research Group 10	
12:30 - 13:00					
13:00 - 13:30	Administrative procedures for KA171 participants	Seminar 4: Research Group 4			
13:30 - 14:00					
14:00-15:00	Lunch Break				
17:00 - 20:00		Visit to the Port of Algeciras / Boat trip around the Bay of Algeciras		Visit to Bolonia's Archeological Site	



Nº	Researcher	Research Group	Research fields
1	<a href="#">Dr. Ismael González Yero</a>	<a href="#">Combinatorics and Optimisation: Application of Discrete Mathematical Models (FQM-371)</a>	<ul style="list-style-type: none"> <li>Metric Graph Theory: Metric Dimension, Variants, and applications.</li> <li>General position and mutual visibility problems in graphs.</li> <li>Dominating sets in graphs and their applications.</li> </ul>
2	<a href="#">Dr. Verónica Ruiz Ortiz</a>	<a href="#">Geosciences (RNM-373)</a>	<ul style="list-style-type: none"> <li>Numerical models contribution to the analysis and conjunctive management of surface and groundwater.</li> <li>Multivariate analysis and interpolation methods to the definition and mapping of hydrological variables: application to the precipitation and other hydrological variables.</li> <li>Implication of induced evaporation losses in water resources management.</li> </ul>
3	<a href="#">Dr. María Dolores Rubio Cintas</a>	<a href="#">Utilisation of industrial, construction, and/or demolition waste for the production of structural and non-structural concrete (TEP-951)</a>	<ul style="list-style-type: none"> <li>Conventional and ultra-high-strength concrete with industrial waste.</li> <li>Mix designs and behaviour of the new material obtained.</li> <li>Use and implementation in Civil Engineering.</li> </ul>
4	<a href="#">Dr. Miguel Caparrós Espinosa</a>	<a href="#">Structural Engineering and Geotechnics (TEP-976)</a>	<ul style="list-style-type: none"> <li>Mechanical analysis and structural modelling of new sustainable materials for construction.</li> <li>Study of structure-soil interaction. Soil Mechanics, Rock Mechanics, mineral deposits, tectonics, and urban planning.</li> <li>Structural and geotechnical optimization of infrastructures for sustainability.</li> </ul>
5	<a href="#">Dr. Antonio Contreras de Villar</a>	<a href="#">Coastal Engineering (RNM-912)</a>	<ul style="list-style-type: none"> <li>Sinking of sloped breakwaters in sandy bottoms.</li> <li>Digital elevation models on beaches, port and coastal structures using unmanned aerial vehicles.</li> <li>Coastal dunes.</li> </ul>
6	<a href="#">Dr. Ismael Rodríguez Maestre</a>	<a href="#">Thermal Engineering (iiTER) (TEP-221)</a>	<ul style="list-style-type: none"> <li>Energy simulation of HVAC and DHW systems and buildings.</li> <li>Smart facades (Façade-based building integrated photovoltaic-thermal system with phase change material (BIPVT-PCM) for domestic hot water; Thermal insulation modular solution designed for integration into the opaque envelope of buildings with intelligent solar control and photovoltaic solar energy production. Photovoltaic Electrochromic (PV-EC) glazing).</li> <li>Low-temperature geothermal energy: systems modelling.</li> <li>Ventilation and indoor air quality in buildings.</li> </ul>
7	<a href="#">Dr. Juan José González de la Rosa</a>	<a href="#">Computational Instrumentation and Industrial Electronics (ICEI) (TIC-168)</a>	<ul style="list-style-type: none"> <li>Power Quality (PQ) Analysis.</li> <li>Electronic instrumentation and virtual instrumentation. Industrial applications.</li> <li>Transient characterization for industrial surveillance and diagnostics and similar.</li> <li>Higher-order statistics (HOS).</li> </ul>
8	<a href="#">Dr. Ignacio Turias Domínguez</a>	<a href="#">Intelligent Modelling of Systems (MIS) (TEP-024)</a>	<ul style="list-style-type: none"> <li>Air Pollution Estimation and Forecasting Using Machine Learning Techniques.</li> <li>Artificial neural networks in industrial and civil engineering.</li> <li>Data analytics in stainless steel factories.</li> <li>Modelling and Simulation in Transportation and Logistics.</li> </ul>
9	<a href="#">Dr. Luis Fernández Ramírez</a>	<a href="#">Sustainable and Renewable Electrical Technologies (TESYR) (TEP-023)</a>	<ul style="list-style-type: none"> <li>Design and control of power electronic converters applied to renewable energies and energy storage systems.</li> <li>Control and operation of wind turbines and wind farms, integrating energy storage systems and hydrogen production, as well as FACTS devices for improving energy quality and the grid integration of wind turbines and wind farms.</li> <li>Design, control, and operation of standalone and grid-connected photovoltaic systems.</li> <li>Electric power generation from offshore wind energy, marine current energy, and tidal energy, and their grid connection.</li> </ul>
10	<a href="#">Dr. David Sales Lérica</a>	<a href="#">Materials and Nanotechnology for Innovation (TEP-946)</a>	<ul style="list-style-type: none"> <li>The additive manufacturing of metals through wire deposition methods using plasma arc.</li> <li>Materials for Additive Manufacturing and Additive Manufacturing Technologies.</li> <li>Materials and Additive Manufacturing for the Circular Economy.</li> </ul>



	Venue	Address	Location
	<p><i>Escuela Técnica Superior de Ingeniería de Algeciras (ETSIA) –</i> Algeciras School of Engineering and Technology (ASET)</p>	<p>Avenida Ramón Puyol S/N 11202, <b>Algeciras</b> (Spain)</p>	 <p>36.13657556204097°, - 5.45317766078421°</p>
	<p>UCA-SEA Building</p>	<p>11202, <b>Algeciras</b> (Spain)</p>	 <p>36.13703193715594°, - 5.444730704966543°</p>

**Expected outcomes and impact (e.g. on the professional development of the staff member and on both institutions):**

- Improvement of the international impact and visibility of ASET research groups and partners.
- Increase joint collaboration (research articles, projects, stays, etc.) which will help improve professional development of staff members.



## II. COMMITMENT OF THE THREE PARTIES

By signing<sup>7</sup> this document, the staff member, the sending institution and the receiving institution/enterprise confirm that they approve the proposed mobility agreement.

The sending higher education institution supports the staff mobility as part of its modernisation and internationalisation strategy and will recognise it as a component in any evaluation or assessment of the staff member.

The staff member will share his/her experience, in particular its impact on his/her professional development and on the sending higher education institution, as a source of inspiration to others.

The staff member and the beneficiary institution commit to the requirements set out in the grant agreement signed between them.

The staff member and the receiving institution/enterprise will communicate to the sending institution any problems or changes regarding the proposed mobility programme or mobility period.

### The staff member

Name:

Signature:

Date:

### The sending institution

Name of the responsible person:

Signature:

Date:

### The receiving institution/enterprise

Name of the responsible person: Francisco Javier González Gallero

Signature:

Date:

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<sup>1</sup> Adaptations of this template:

- In case the mobility combines teaching and training activities, **the mobility agreement for teaching template** should be used and adjusted to fit both activity types.
- In the case of **mobility between Programme and Partner Countries**, this agreement must be always signed by the staff member, the Programme Country HEI as beneficiary and the Partner Country HEI as sending or receiving organisation. In case of mobility from Partner Country HEIs to Programme Country enterprises the last box should be duplicated to include the signature of the Programme Country HEI (the beneficiary) and the receiving organisation (four signatures in total).

<sup>2</sup> **Seniority:** Junior (approx. < 10 years of experience), Intermediate (approx. > 10 and < 20 years of experience) or Senior (approx. > 20 years of experience).

<sup>3</sup> **Nationality:** Country to which the person belongs administratively and that issues the ID card and/or passport.

<sup>4</sup> **Erasmus Code:** A unique identifier that every higher education institution that has been awarded with the Erasmus Charter for Higher Education receives. It is only applicable to higher education institutions located in Programme Countries.

<sup>5</sup> **Country code:** ISO 3166-2 country codes available at: <https://www.iso.org/obp/ui/#search>.

<sup>6</sup> Any Programme Country enterprise or, more generally, any public or private organisation active in the labour market or in the fields of education, training and youth (training of staff members from Programme Country HEIs in Partner Country non-academic partners is not eligible).

<sup>7</sup> Circulating papers with original signatures is not compulsory. Scanned copies of signatures or electronic signatures may be accepted, depending on the national legislation of the country of the sending institution (in the case of mobility with Partner Countries: the national legislation of the Programme Country). Certificates of attendance can be provided electronically or through any other means accessible to the staff member and the sending institution.