

# LIFE Platform Meeting on Climate Action in Urban Areas

Date: 21-22 June 2017 Venue: Sant Pau Art Nouveau Site, Barcelona, Spain

# Introduction: Cities, Climate Change and the LIFE Programme

Urban areas are already experiencing the effects of climate change and they also contribute to it. Increased temperatures, extreme weather events including floods, freshwater shortages, sea level rise, food insecurity, are directly affecting urban populations worldwide. Cities are highly exposed to all the above-mentioned impacts, in different ways and degrees according to their geographic location and morphological structure, infrastructure and preparedness.

Cities also contribute to climate change, through greenhouse gas (GHG) emissions for heating, cooling, lighting and transport, as well as through the consumer choices of their inhabitants. Efforts to mitigate climate change by reducing GHG emissions have become a common feature across European cities and these efforts are now increasingly combined with measures focused on climate change adaptation and increased resilience.

The LIFE Programme of the European Union is an important financial instrument in this context, by funding relevant projects throughout the EU. Completed and ongoing LIFE projects with urban adaptation and/or mitigation focus are uniquely placed to explore innovative solutions, contribute good practices and help shape future policies at the regional/local level, national, European and global levels.

# Purpose and structure of the platform meeting

The purpose of this platform meeting is to bring together LIFE project beneficiaries, competent local, national and European authorities, and other stakeholders to advance climate change adaptation (CCA) and mitigation (CCM) in urban areas.

The meeting is structured so as to allow participants to have a thorough understanding of the role of climate action in urban areas in the European and international context. Intense working group sessions dedicated to concrete case studies will allow for the presentation and exchange of good practices in specific sectors, in addition to the plenary sessions, where overall policies, support and coordination mechanisms will be discussed.

The meeting is hosted by the Provincial Council of Barcelona, the coordinating beneficiary of the LIFE Clinomics project located in Barcelona/Spain. It is organised in cooperation with the Executive Agency for Small and Medium-sized Enterprises (EASME) and the Directorate-General for Climate Action (DG CLIMA) of the European Commission. The NEEMO external monitoring team is providing the logistic support for this platform meeting.

Attached: - Agenda

- Logistics and Useful Information



**Agenda**(An updated agenda will be distributed at the meeting)

WEDNESDA	AY, 21 JUNE 2017					
09.00-9.30	Registration of participants and coffee					
09.30-	Official Welcome					
09.45	<ul> <li>Mr Valentí Junyent Torras, Delegate in charge of natural spaces and the environment, Barcelona Provincial Council</li> </ul>					
	<ul> <li>Ms Helena Perxacs, Project Manager, LIFE CLINOMICS and expert, Management of Environmental Services, Territory and Sustainability Department, Barcelona Provincial Council</li> </ul>					
10:00 -	Guidance of the platform meeting and overall moderation:					
11:00	Ms Elena Gomez Salazar, Climate Change Expert, NEEMO					
	Session 1. Climate Change Adaptation and Mitigation in Urban Areas - European and International Policy Context  Plenary session					
	Part I:European Commission activities					
	<ul> <li>European Policy Context of Climate Action in Urban Areas:</li> <li>Mr Sandro Nieto Silleras, Policy Officer, DG CLIMATE ACTION, European Commission</li> </ul>					
	Climate Action in the LIFE Programme:     Mr Bernd Decker, Senior Project Adviser, Climate Action, EASME					
	<ul> <li>A scientific perspective:</li> <li>Mr André Jol, Head of group climate change impacts, vulnerability and adaptation,</li> <li>European Environment Agency (EEA)</li> </ul>					
11:00 - 11.30	Coffee-Break					
11.30 -	Part II: National and International perspective					
12.30	Presentations and Roundtable discussion moderated by Mr Bernd Decker, Senior Project Adviser, Climate Action, EASME					
	<ul> <li>The "New urban agenda":         Mr Esteban Leon, Chief Technical Advisor and Programme Lead, City Resilience         Profiling Programme (CRPP), UN-HABITAT     </li> </ul>					
	A regional perspective:     Mr Gabriel Borrás, Adaptation Area Manager, Catalan Climate Change Office					
	<ul> <li>Climate action in Mediterranean Cities:         Olgu Okumus, Project Manager, Energy and Climate Action, Union for the         Mediterranean</li> </ul>					
12.30-	Session 2.a Challenges and experiences in Urban Climate Action					
13.00	Plenary session					
ii						
	State of the art:					



	Dung and the same	of working and the terms	and facilitaters /	uro.		
	Presentation of working group themes and facilitators / rapporteurs:     Mr. Georgios Kostakos, Climate Action Sector Coordinator, NEEMO  Lunch Break  Session 2.b Practical experiences from LIFE projects on climate action challenges and					
13.00-						
14.00						
	opportunities	expendices nom Life	: projects on climate ac	non chanenges and		
	Parallel Working Group Sessions Rapporteurs: NEEMO team					
14:00 -	Part I: Project presentations and discussion					
15:30	(half of the projects listed below – max 10 minutes each)					
	I. Implementing	II. Urban climate	III. Innovative	IV. Partnerships		
	Sustainable	action meets	climate action	for		
	Energy and	nature	technologies	implementing		
	Climate Action	conservation		urban climate		
	Plans	and biodiversity		action policies		
			LIFE14			
	LIFE04 ENV/IT/000453	LIFE12	CCA/IT/000939 LIFE HEROTILE	LIFE09		
	ROMAPERKYOTO	ENV/ES/000092 LIFE	LIFE HEROTILE	ENV/IT/000074 LIFE GAIA		
	LIFE08 ENV/IT/000436	QUF	LIFE14	GAIA		
	LIFE ACT	LIFE14	CCA/IT/001280	LIFE12 INF/IT/000465		
		CCA/ES/000489	LIFE PRIMES	LIFE EcoLife		
	LIFE11 ENV/IT/000119 LIFE BLUE AP -	LIFE LUGO +	LIFE13	LIFE14		
	Bologna Local Urban	BIODINÁMICO	ENV/FR/000222 LIFE	CCA/NL/000302		
		LIFE15	ZENITTHYS	LIFE URBAN-ADAPT		
	LIFE14	CCA/ES/000102	1.1554.4			
	CCA/IT/000316 Life SEC Adapt	LIFE Clinomics	LIFE14 CCM/ES/000865	LIFE14 CCA/IT/000663		
	SEO Adapt	LIFE15	LIFE	LIFE IRIS		
		IPC/DE/000005 LIFE-	METHAmorphosis			
	LIFE15	IP ZENAPA	110045			
	CCA/DE/000133		LIFE15 CCA/NL/000052	LIFE14		
	LIFE LOCAL ADAPT	LIFE15 ENV/ES/000394 LIFE	LIFE AERFIT	CCA/IT/000650 LIFE DERRIS		
	LIFE13 INF/PL/000039	DrainRain		LII L DERNIS		
	LIFE_ADAPTCITY_PL		LIFE15	LIFE15		
	LIEEAE	LIFE15	CCA/ES/000091 LIFE CERSUDS	CCA/IT/000035		
	LIFE15 GIC/ES/000033 LIFE	GIC/IT/000030 LIFE FRANCA		RainBO Life		
	SHARA	INAIVA	LIFE14	LIFE15		
			CCM/FR/000954	GIC/ES/000056 U-		
	LIFE15		LIFE Conipher	MOB LIFE		
	CCA/IT/000061 LIFE MASTER ADAPT		LIFE15	LIFE15		
	migi Eli Abai I		CCM/FR/000068	IPC/DK/000006 EU		
			BIOHEC-LIFE	LIFE IP C2C CC		
			LIFE15			
			CCM/IT/000110			
			LIFE-DIADEME			
15:30 -	Coffee break					
16:00						
16:00 -	Part II: Project presentations and discussion					
17:30	(rest of the projects – max 10 minutes each)					



17:30 - 18:00	Part III: Interactive discussion in each working group
18.00 -	Networking reception
19.00	

THURSDA	AY, 22 JUNE 2017					
09.00 -	Session 2.c Transferability of lessons from LIFE projects and contribution to climate					
10.00	action policy					
	Plenary Session					
	Moderator: Mr. Georgios Kostakos, Climate Action Sector Coordinator, NEEMO					
	Reporting back of Working Groups					
	Working Group facilitators / rapporteurs					
	Brief panel discussion					
	<ul> <li>Mr. Sandro Nieto Silleras, Policy Officer, DG CLIMA, European Commission</li> </ul>					
	<ul> <li>Mr Bernd Decker, Senior Project Adviser, Climate Action, EASME</li> </ul>					
	Mr. Salvador Samitier, Chief of the Catalan Climate Office					
10.00 -	Session 3. Good Practices from outside LIFE					
11:15	Plenary Session					
	Moderator: Mr. Salvador Samitier, Chief of the Catalan Climate Office					
	Nature Based Solutions in Horizon 2020:					
	Mr Nicolas Faivre, Policy Officer, European Commission DG Research & Innovation,					
	The urban planners' perspective:					
	Mr Borja Izaola, Architects' Council of Europe (ACE)					
	<ul> <li>"Madrid + Natural": Nature based solutions for adaptation to climate change:</li> <li>Mr Luis Tejero Encinas, Madrid City Council</li> </ul>					
	Wil Edio Pojoto Etionido, Madrid Otty Obditori					
	RESCCUE Project: RESilience to cope with Climate Change in Urban arEas – a					
	multisectorial approach focusing on water					
	Mr Marc Velasco, RESCCUE Project Manager, SUEZ Advanced Solutions					
11.15 -	Coffee Break					
11:45						
11:45 -	Session 4. Disseminating, scaling up and financing urban climate action projects					
13:00	Plenary Session					
	Moderator: Mr. Nicolas Faivre, Policy Officer, European Commission DG Research & Innovation					
	<ul> <li>Climate action and the car industry:</li> <li>Mr. Andrew Shepherd, SEAT S.A. and LIFE METHAmorphosis.</li> </ul>					
	Climate action and the insurance industry:     Ms. Maria Luisa Parmigiani, Unipol and LIFE DERRIS					
	Climate-ADAPT platform:     Mr Bernd Decker, Senior Project Adviser, Climate Action, EASME					



13.30 -	Closing of the meeting by the host project: LIFE CLINOMICS			
13:30				
13.30-	Lunch Break			
14.30				
14.30 -	Project site visits			
17.30	1 Option to be chosen			
	LIFE 96 ENV/E264 Parc Agrari del Baix Llobregat. + LIFE15 CCA/ES/000102 LIFE CLINOMICS + Presentation of other two initiavitves			
	LIFE14 CCM/ES/000865 LIFE METHAmorphosis - Visit to ECOPARC 2 where the UMBRELA prototype is being implemented + exhibition of SEAT's Biomethane-powered vehicle			

#### **About LIFE Climate Action**

LIFE Climate Action is dedicated to developing innovative responses to the challenges of climate change across the EU. It thus supports implementation of the strategic priorities of EU climate policy within the Union and constitutes an important element of the overall mainstreaming of climate action within the EU budget. The Climate Action sub-programme of the LIFE Programme has three priority areas:

- (a) Climate Change Mitigation;
- (b) Climate Change Adaptation;
- (c) Climate Governance and Information.

For more information visit the LIFE website at: <a href="http://ec.europa.eu/environment/life/">http://ec.europa.eu/environment/life/</a>

# About the host project: LIFE CLINOMICS

LIFE CLINOMICS aims to increase climate change resilience of selected territories and economies within the Province of Barcelona. Proposed actions are in line with the Spanish climate change strategy. The project also aims to contribute to EU policies on biodiversity, natural catastrophes, agriculture, fisheries, infrastructure, tourism and forests. To promote knowledge and awareness about climate change adaptation, the project involves local administrations and people working in the agriculture, silviculture, fishery and/or tourism sectors. The main objective is to build the resilience of Mediterranean local authorities through interventions in the counties of Montseny, Alt Penedès and Terres del Ebro within the Province of Barcelona. For more information go to <a href="https://lifeclinomics.eu/en/about-us/">http://lifeclinomics.eu/en/about-us/</a>



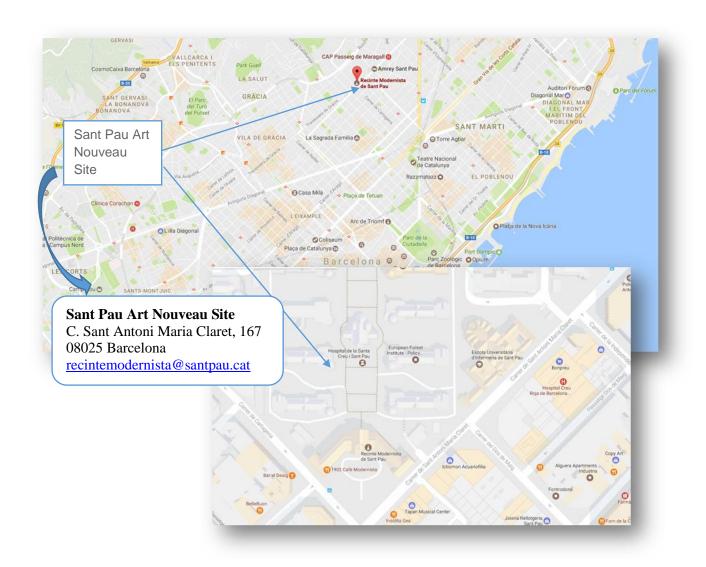
# LOGISTICS AND USEFULL INFORMATION

# THE VENUE AND LOGISCTICS INFORMATION

The meeting will take place from 9:00 on 21 June till 17:30 on 22 June 2017 in the <u>Sant Pau Recinte</u> <u>Modernista / Sant Pau Art Nouveau Site</u> that is located between the Guinardó District and Sagrada Familia District.

The Sant Pau Art Nouveau Site occupies a privileged place in the heritage and culture of Barcelona. Its thorough renovation, begun in 2009, has allowed Sant Pau to regain all its former glory, and offer its unique renovated spaces to companies and institutions as an ideal setting for corporate events, professional meetings, courses, seminars and other functions.

The Administration Pavilion, the main building of the historic Sant Pau, has been transformed into a modern complex of multipurpose rooms and functional spaces that combine the artistic richness of Domènech i Montaner's architecture and design with state-of-the-art technical facilities. Modernism and modernity come together in an exceptional venue for social, cultural and business activities and events.





#### REGISTRATION

The meeting will take place from 9:00 on 21 June till 17:30 on 22 June 2017. The registration and posters desk will be open from 9:00 on 21 June.

Your identification card will be necessary at the entrance of the venue for security purposes.

The meeting language is English. No interpretation will be provided.

#### **ACCOMMODATION**

The participants are expected to arrange and cover the cost of their own travel and accommodation.

Below you can find the names and website addresses of hotels near the meeting venue and other Barcelona neighbourhoods.

For more options you can visit the web site of the official Barcelona Hotels Association: http://www.barcelonahotels.cat

Hotels closer to the venue in the neighbourhood Sagrada Familia (aprox. 15' walking distance):

- Ayre Hotel Rosellón\*\*\*\* http://www.ayrehoteles.com/hotel-rosellon/
- Eurostars Monumental\*\*\*\* http://www.eurostarshotels.co.uk/eurostars-monumental.html
- Hotel Sagrada Família\*\*\* http://www.hotelsagradafamilia.com/
- Hotel Boutique Hostemplo\*\*\* <a href="http://www.hotelboutiquehostemplo.com/">http://www.hotelboutiquehostemplo.com/</a>

Environmentally friendly accommodation options located in other neighbourhoods:

#### EMAS certified Hotels

- Hotel Majestic \*\*\*\*\*- <a href="http://www.hotelmajestic.es/">http://www.hotelmajestic.es/</a>
  Eixample Dreta.
- Barcelona Princess \*\*\*\* <a href="http://en.alimarahotel.com/">http://en.alimarahotel.com/</a>
   Sant Martí-Poble Nou-@22.

# Other ecofriendly accommodation possibilities

- Hotel Banys Orientals \*\*\*, <a href="http://www.hotelbanysorientals.com/">http://www.hotelbanysorientals.com/</a> Barri Gòtic, Ciutat Vella.
- Hilton Diagonal Mar Barcelona \*\*\*\* <a href="http://www.hiltondiagonalmarbarcelonahotel.com/">http://www.hiltondiagonalmarbarcelonahotel.com/</a>
   Sant Martí-Poble Nou-@22.
- Casa Camper \*\*\*\*- <a href="http://www.casacamper.com/barcelona/default-en.html">http://www.casacamper.com/barcelona/default-en.html</a>
   El Raval, Ciutat Vella.

#### TRAVEL TO BARCELONA

The participants are expected to arrange and cover the cost of their own travel. You are strongly advised to use other travel means than flight, if your travel distances that are less than 350 km. Please do not forget to include the LIFE project reference on your travel cost documents, if you represent a LIFE project.



There are direct flights to Barcelona (<u>Aeropuerto de Barcelona-El Prat</u>) from the major European cities. Barcelona can also be reached by transport links from other regional airports, including Girona, Reus and Lleida -Alguaire.

Barcelona-El Prat, which is actually in the neighbouring town of El Prat de Llobregat, is 12 kilometres from Barcelona city centre. It has two large passenger terminals, T1 and T2, which are organised in terms of carriers and not according to the destination or place of origin.

Contact details: Aeroport de Barcelona - 08820 El Prat de Llobregat, El Prat de Llobregat | Tel: 902 404 704 | Fax: 933 799 957 (Sala Renfe) | Web: <a href="https://www.aena.es">www.aena.es</a>

#### Connections between Barcelona and the airport and back:

- Aerobús (A1 and A2): Service between Plaça de Catalunya and Barcelona Airport. Frequency: every 10 minutes. Approximate journey time: 35 minutes. For further information about the Barcelona Aerobús: Tel. 902 100 104.
- **Train** (RENFE): Connections with Barcelona Airport from the Renfe (Spanish Rail) station at Sants. Frequency: every 30 minutes. Journey time: 18 minutes. For further information about train services: www.renfe.es.
- Metro (TMB): L9 sud metro line connects the city and Barcelona airport (T1 and T2) daily.
   Frequency: every 7 minutes. Approximate journey time: 32 minutes (from Zona Universitària). For further information: <a href="www.tmb.cat">www.tmb.cat</a>.
- **Bus** (TMB): The 46 bus runs from Plaça d'Espanya to Barcelona Airport (T1 and T2) during the day. Frequency: every 25 minutes. For further information: www.tmb.cat.
- Night bus (NITBUS): The N17 night bus operates from Ronda Universitat / Plaça Catalunya to Barcelona Airport T1, stopping at Pl. d'Espanya. The N16 night bus operates from Ronda Universitat / Plaça Catalunya to Barcelona Airport T2, stopping at Pl. d'Espanya. Frequency: every 20 minutes. Further information about the night bus service to Barcelona Airport is available on the website: www.emt-amb.com.
- Barcelona Airport Taxi: Taxi Stops in front of terminals 1 and 2.
- By car: The C-31 Barcelona-Castelldefels road leads to Barcelona Airport, and connects with the C-32 Barcelona-Sitges road. From the Avinguda Diagonal, the Ronda de Dalt and Ronda Litoral ring roads also connect with the C-31. The estimated journey time from Barcelona city centre to the airport is about 20 minutes.

### More information:

http://meet.barcelona.cat/en/visit-barcelona/how-to-get-to-barcelona http://www.barcelonaturisme.com/wv3/en/page/31/how-to-get-there.html

# **EXCURSION ON 22 JUNE**

There will be two excursions covering different aspects related to mitigation and adaptation to climate change in urban areas. Before presenting the options, <u>please note that you</u> will be asked to choose one of them at the time of registration at the meeting venue on 21 June. As the number of participants in the two excursions will have to be roughly equal, there is a possibility that your first choice may not be available at the time of your registration. However, both excursions are very interesting and worth joining in any case.



Note: Irrespective of which excursion you may participate in, please book your return flight not earlier than 19:00 on 22 June to have enough time to go to the airport.

- Visit option 1: LIFE 96 ENV/E264 Parc Agrari del Baix Llobregat. + Presentation of other initiatives:
  - Local adaptation to climate change in Mollet del Vallès How nature helps?
  - Greenbelt of Manresa

# LIFE 96 ENV/E264 Parc Agrari del Baix Llobregat

"Preparation and implementation of a pilot action for the conservation, improvement and economic promotion of Barcelona suburban agricultural area."

El Baix Llobregat Agrarian Park, covering a total area of 2,938 hectares, lies to the south of Barcelona, fully within its metropolitan area. The park, steeped in rich farming tradition, embraces agricultural lands, the river and natural or naturalised spaces in the delta alluvial plains and the lower river valley.

A LIFE project (LIFE96 ENV/E/000264) running from 1996 until 1999 helped to develop the Baix Llobregat Agrarian Park. This Agrarian Park was established with a view to conserving the agricultural and environmental value of these areas, providing a suitable response to the problems caused by pressure on the agrarian space resulting from the urban and industrial expansion of Barcelona and the towns in the River Llobregat Delta itself. In 1998, this response was given the shape of a joint initiative to establish the Agrarian Park Consortium, led by Barcelona Provincial Council, Baix Llobregat County Council and the Unió de Pagesos (farmers union), joined later by the 14 local authorities in the area covered by the agrarian park, with a total population of some 730,000. In 2006, Catalonia's Government Department of Agriculture, Food and Rural Action also joined the Consortium.

http://parcs.diba.cat/es/web/baixllobregat/inici

The visit aims to provide a vision of what can be done at the local level in adaptation to climate change. This peri-urban agriculture area, located in the Metropolitan Area of Barcelona, is under strong pressure due to the urban development and high frequency of visits. The project aims to preserve and promote agricultural uses and its natural environment as an investment in the future to contribute to the improvement of the population's life quality. In this light, it aims at preserving the balance of agricultural and residential uses, providing a soil reserve in a heavily urbanized environment, water management and products of proximity.

The visit will consist in a brief guided tour through the agricultural park and will be complemented with the presentation of the experience of two municipalities that have developed different nature-based actions in order to increase their resilience.

• <u>Visit option 2:</u> LIFE14 CCM/ES/000865 LIFE METHAmorphosis - Visit to ECOPARC 2 where the UMBRELA prototype is being implemented + exhibition of SEAT's Biomethane-powered vehicles

# LIFE14 CCM/ES/000865 LIFE METHAmorphosis

"Waste streams treatment for obtaining safe reclaimed water and biomethane for transport sector to mitigate GHG emissions"

LIFE METHAmorphosis aims to change waste management usage, reduce energy consumption and produce high quality biomethane as a vehicle fuel thereby mitigating climate change and promoting sustainable mobility. It proposes to demonstrate, at industrial-scale level, two innovative waste treatment systems: the UMBRELA system in urban waste plants, which combines a new anaerobic membrane process (AnMBR) with autotrophic nitrogen removal (Annamox ELAN®); and the METHAGRO system in agroindustrial and other organic waste treatment plants (for mainly slurry), which is a high efficiency system that combines pre-treatment processes.

Both plants will be built, commissioned and operated. The aim is initially to monitor the quality of products or effluents obtained, and the optimal configuration of the operating systems for obtaining a high-quality product



at the lowest energy and environmental costs. This will be targeted at improving the profitability of treatment plants. This will enable and encourage the reopening of many currently closed plants, thus producing a multiplier effect with significant environmental impact at European level. Moreover, the suitability of the use of the renewable biomethane derived by the waste streams will be tested in the automotive sector, in different vehicles, light and heavy, from an economic, regulatory, environmental and technical point of view.

This project is coordinated by Aqualia and has the participation of companies such as Fomento de Construcciones y Contratas (FCC), Gas Natural (GN), SEAT, the Barcelona Metropolitan Area (AMB) and the Catalan Institute for Energy (ICAEN).

#### Further information:

http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=search.dspPage&n\_proj\_id=5260 http://www.life-methamorphosis.eu/en/el-projecte

The visit will consist in a guided tour through the ECOPARC2 where the UMBRELA prototype is being implemented and will be complemented with the presentation of SEAT's Biomethane-powered vehicles.

# **DISSEMINATION OF INFORMATION**

### - Dissemination material

LIFE projects are encouraged to bring dissemination material (brochures, posters, flyers).

The venue will provide space for this purpose. Please, be aware that the preferable format is the self-standing roll-up. For those projects that will bring posters, please be advised that the size of the poster should not be bigger than  $80 \times 175$  cm.

Dissemination material should be handed over to the meeting coordination team at the time of registration in the morning of 21 June.

# - Spreading the word about the event

We encourage you to share, retweet and like our social media activities about the event (on the below channels); and for you to post or tweet your own messages/images/videos using the following hashtags: urban#ClimateAction: #LIFEproject: #LIFEClinomics

facebook.com/EUClimateAction twitter.com/EUClimateAction twitter.com/eu\_easme twitter.com/EU\_ecoinno facebook.com/LIFE.programme twitter.com/life\_programme

# A FEW WORDS ABOUT BARCELONA

Barcelona, the capital of Catalonia, is a Mediterranean and cosmopolitan city with Roman remains, medieval quarters and the most beautiful examples of 20th century Modernism and avant-garde. It is no surprise that emblematic constructions by the Catalan architects Antoni Gaudí and Lluís Doménech i Montaner have been declared World Heritage Sites by UNESCO.

The city's origins are Roman, and its long history and economic dynamism have made Barcelona a cultural city, which can be seen in the historic-artistic heritage and the promotion of the most innovative artistic trends. A wide selection of cultural activities is on offer for visitors, including museums, exhibitions, open-air sculptures and many concerts, plays and dances.

More information about what to do and see in Barcelona can be found here.