



**Edition 2014: "What Ecology can learn from natural and human-induced disturbances – A cross-system view"**

**Dates and venue: 7th July to 18th July 2014, Barcelona**



## **Location**

Barcelona is one of the most attractive cities in Europe and the World. Its wonderful weather and privileged location by the sea, the numerous architecture styles (modernist, Gothic, medieval, Romanesque, Roman) and its beautiful surroundings, a very active civil society, the many international events and exhibitions, and the never-ending cultural proposals, attract visitors from all over the world.

The Summer Colloquium will be held at the **Institute of Marine Sciences (ICM)**, the largest Spanish centre for the study of Marine Sciences. ICM has a permanent staff of more than 60 researchers, with well-recognized scientists in the fields of Biological, Chemical and Physical Oceanography. It is located near downtown Barcelona, right by the beach and besides a city harbour. It has excellent field, laboratory and classroom facilities to hold the Ramon Margalef Summer Colloquia. Additionally, there are several nearby student residences which are available for the summer university-vacation period where the participants of the colloquium will be able to lodge.

## **Contacts, addresses and telephones:**

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## **How to arrive?**

ICM is located in Barcelona's Barceloneta District between the Hospital del Mar and the Olympic Harbor . To reach ICM, you can use:

- **Bus**: The end of the lines 10, 45, 57, 59, 71, 92 and 157 stop a few meters from the ICM.
- **Underground (Metro)**: The L4 line (yellow line) has a station (Ciutadella-Vila Olímpica) 300 metres from the ICM.

If you come from outside Barcelona arriving by:

- **Car**: Use the Ronda del Litoral. Towards Bessós (north) take exit 21. Towards Llobregat (south) take exit 22.
- **Train (RENFE)**: Get off at one of these stations: Sants Estació, Clot, Passeig de Gràcia. And take the underground L4 line (yellow line) to Ciutadella-Vila Olímpica station.
- **Train (Ferrocarrils de la Generalitat, FGCC)**: Get off at Plaça Catalunya station, and take the 59 bus or the underground.
- **Airplane**: Directly from the Airport (El Prat) may take train, bus or taxi. You can take the bus (Aerobus) from Airport to Plaça Catalunya and there take the [underground](#) (line 4; Ciutadella-Vila Olímpica Stop) or the [bus](#) (59 line. Ramon Trias Fargas-Passeig Maritim Stop).



**SITE.-**

All program lectures are held in **room- P31** (first floor), EXCEPT the activities of the first day (7th of July) and the last day (18<sup>th</sup> of July) which are hold at the **Sala d'Actes** (Basement).

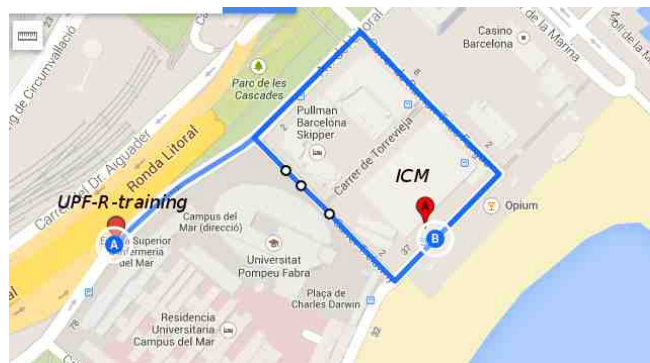
Monday 7 <sup>th</sup>	Tuesday 8 <sup>th</sup>	Wednesday 9 <sup>th</sup>	Thursday 10 <sup>th</sup>	Friday 11 <sup>th</sup>
Sala d'Actes. Basement	P-31-Classroom	P-31-Classroom	P-31-Classroom	P-31-Classroom
	Matlab – Classroom P-41	Matlab – Classroom P-41	Matlab – Classroom P-41	Matlab – Classroom P-41
	R-Training-UPF	R-Training-UPF	R-Training-UPF	R-Training-UPF
Monday 14 <sup>th</sup>	Tuesday 15 <sup>th</sup>	Wednesday 16 <sup>th</sup>	Thursday 17 <sup>th</sup>	Friday 18 <sup>th</sup>
P-31-Classroom	P-31-Classroom	P-31-Classroom	P-31-Classroom	Sala d'Actes. Basement
Matlab – Classroom P-41	Matlab – Classroom P-41	Matlab – Classroom P-41	Matlab – Classroom P-41	
R-Training-UPF	R-Training-UPF	R-Training-UPF	R-Training-UPF	

Matlab training:

Matlab training will be held at room **P-41**. First floor of the Institute (follow the arrows).

R-Training:

R-training will be held at the **Universitat Pompeu Fabra/Pompeu Fabra University (UPF)**, a University close to the ICM. See map to arrive.



## SCHEDULE

### What Ecology can learn from natural and human induced disturbances – A cross system view

#### Week 1 (7<sup>th</sup> July to 11<sup>th</sup> July)

	Monday 7 <sup>th</sup>	Tuesday 8 <sup>th</sup>	Wednesday 9 <sup>th</sup>	Thursday 10 <sup>th</sup>	Friday 11 <sup>th</sup>	Saturday	
9:00-10:00	Registration and Welcome	Talk Tòpic 1.- <a href="#">Michel Loreau</a>	Talk - Topic 2: <a href="#">Christian Körner</a>	Talk - Topic 3: <a href="#">Erik Jeppesen</a>	Talk - Topic 4: <a href="#">Jordi Catalan</a>	Optional Trip	
10:00–10:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
10:30-11:30	Welcome Dr. Palanques	Talk -Topic 1: <a href="#">Simon A. Levin</a>	Talk -Topic 2: <a href="#">Jaume Bertranpetit</a>	Talk -Topic 3: <a href="#">Jordi Martínez-Vilalta</a>	Talk -Topic 4: <a href="#">Eva Calvo</a>		
11:30-12:30	Introduction. Miquel Alcaraz	Talk -Topic 1: <a href="#">Antonio García-Olivares</a>	Talk -Topic 2 <a href="#">Daniel Sol</a>	Talk -Topic 3: <a href="#">Carlos Duarte</a>	Talk -Topic 4: <a href="#">Isabel Cacho</a>		
12:30-14:00	Lunch together	Lunch	Lunch	Lunch	Lunch		
14:00-15:00	Student Presentations	Discussion Topic 1	Discussion - Topic 2	Discussion - Topic 3	Discussion - Topic 4		
15:00-15:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
15:30-17:30	Student Presentations	R/Matlab Course	R/Matlab Course	R/Matlab course	Posters		
EVENING	(7pm) Icebreak Beer		<a href="#">(6pm) Maritime Museum</a>				

## SCHEDULE

### What Ecology can learn from natural and man-induced disturbances – A cross system view

#### Week 2 (14<sup>th</sup> July to 18<sup>th</sup> July)

	Monday 14 <sup>th</sup>	Tuesday 15 <sup>th</sup>	Wednesday 16 <sup>th</sup>	Thursday 17 <sup>th</sup>	Friday 18 <sup>th</sup>	
9:00-10:00	Talk -Topic 5: <a href="#">Josep Canadell</a>	Talk -Topic 6: <a href="#">Salvador Pueyo</a>	Talk -Topic 7: <a href="#">Joan Pino</a>	Talk -Topic 8: <a href="#">Juli Pausas</a>	-	
10:00-10:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Student communicating science (SCS)	
10:30-11:30	Talk -Topic 5: <a href="#">Ramon Vallejo</a>	Talk -Topic 6: <a href="#">Josep Lluís Pelegrí</a>	Talk -Topic 7: <a href="#">Joaquim Garrabou</a>	Talk -Topic 8: <a href="#">Jofre Carnicer</a>		
11:30-12:30	Talk -Topic 5: <a href="#">Eugenia Martí</a>	Talk -Topic 6: <a href="#">Frederic Bartumeus</a>	Talk -Topic 7: <a href="#">Emili García-Berthou</a>	Talk -Topic 8: <a href="#">Pedro Cermeño</a>		
12:30-14:00	Lunch	Lunch together	Lunch	Lunch	Lunch	
14:00-15:00	Discussion – Topic 5	Discussion – Topic 6	Discussion – Topic 7	Discussion – Topic 8:		
15:00-15:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break		
15:30-17:30	Applications R/Matlab	Applications R/Matlab	Applications R/Matlab	Discussion synthesis		
Evening						
20:30				Closing Dinner		

**Topic 1.- Disturbances and evolution. How do ecosystems self-organise over evolutionary time scales?**

**Topic 2.- Changing environmental pressures: adaptive responses versus evolutionary constraints?**

**Topic 3.- Thresholds and tipping points. Adding pressures on Ecosystems and forcing inevitable ecosystem's state change**

**Topic 4.- Looking at paleo-data. What can we learn from past disturbance records?**

**Topic 5.- Mitigation, Restoration and adaptive actions. Are they sufficient and adequate?**

**Topic 6.- Looking at Biosphere and Ecosystems' complexity. How adaptive to disturbances are complex systems?**

**Topic 7.-Disturbance as an opportunity window. How good or bad are disturbances for native versus alien species?**

**Topic 8.- Stochastic vs. rhythmic disturbances. How do ecosystems cope with expected and unexpected disturbances?**



## SPECIAL ACTIVITES:

### Monday 7 July:

- 2:00pm to 5:30 pm: Slide presentations by participants
- 7:00 pm.- **Ice breaker** event, Restaurant Tapas Locas (Port Olimpic, Moll del Mestral, 8; 5-minute walk from the Institute), includes a couple of drinks and tapas.



### Wednesday 9 July:

- 6 pm: Visit to the [Maritime Museum of Barcelona](#) (30-minute walk from the Institute or D20 Bus, Stop: Portal de la Pau). We meet at the hall of the ICM to go together.

### Saturday 12 July:

- Optional **Trip to Medes Islands** (details and prices to be arranged).
- Optional **Trip to Mataró** (Sea sailing and kayak).

### Thursday 17 July:

- 8:30 pm: Farewell dinner, Restaurant **La llavor dels Orígens** (Carrer Ramón y Cajal, 12; take metro, get off at Fontana station in Line 3 or 5-minute walk from the station). (See map below).



INSTITUTIONAL SUPPORT:

