

Beach Profile survey at Platja de Palma (Mallorca, Balearic Islands)

January 2013 Field Campaign Definition



January 2013
SOCIB, Balearic Islands Coastal Observing and Forecasting System
ParcBit, Ed. Naorte. Ctra. Valldemossa km 7.4
E07121 Palma (Balearic Islands, Spain)

1. SCIENTIFIC-TECHNOLOGICAL OBJECTIVES

The fieldwork campaign have been designed to address different major scientific-operational issues according to SOCIB implementation plan:

- (a) to provide a continuous dataset on beach profile evolution (14 beach profiles)
- (b) to provide a continuous dataset on dry beach evolution

2. PARTICIPANTS

Name	Division	Filiation	Contact details
Lizarán Esperilla, Irene (ILE)	ETD	SOCIB	ilizaran@socib.es 971611835 – 652032175
Pau Balaguer Huguet (PBH)	ETD	SOCIB	pbalaguer@socib.es 971439906 – 616819878
Aránzazu Lana Celaya (ALC)	TMOOS	IMEDEA	alana@imedea.uib-csic.es 971611759
Álvarez Ellacuría, Amaya (AAE)	BMF	SOCIB	a.alvarez@uib.es 971439907 – 649626039
Gómez-Pujol, Lluís (LGP)	BMF	SOCIB	lgomez-pujol@uib.es 971439906 – 661728393

3. LOGISTICS

3.1 Tasks

#	Task	People	Dates	Observations
1	Sea equipment preliminary works	ILE CCA	30 jan	
2	Bathymetry profiles	ILE PBH	31 jan	
3	RTK survey	LGP AAE ALC	31 jan	
4	Sea material cleaning and storage	ILE PBH	01 feb	
5	Terrestrial material cleaning and storage	AAE LGP	01 feb	
6	Terrestrial survey pre-process	AAE	04 feb	
7	Profiles and bathymetry pre-process	ILE	04 feb	
8	Profiles post-process	LGP	05-07 feb	Need from task 6 & 7

3.2 Harbour needs

For fieldwork campaign purposes the pneumatic boat should remain and operate few days at CM Sant Antoni de la Platja (Can pastilla). Contact details are:

CM Sant Antoni de la Platja, Sr. Luis López (Gerente)
C/. Virgilio, 27
07610 Can Pastilla

Telf. 971 745976; Fax. 971 261638
E-mail: cmsap@cmsap.com

3.3 Campaign development

Monday	28	04	11
		Terrestrial survey pre-process (AAE) Bathymetry post-process (ILE)	
Tuesday	29	05	12
	Harbour needs and contact (LGP)	Profile post-process (LGP)	Campaign report (LGP) Locate data on repository (LGP)
Wednesday	30	06	13
	Sea material preliminary works (PBH, ILE) Terrestrial material preliminary works (AAE)	Profile post-process (LGP)	
Thursday	31	07	14
	S1: Eco-sounding profiles (PBH, ILE) T1: Dry beach survey (LGP) T2: Shallow beach survey (AAE, JSE)		
Friday	01	08	15
	Sea material cleaning and storage (ILE, PBH) Terrestrial material cleaning and storage (AAE, LGP)		
Saturday	02	09	16
Sunday	03	10	17

3.4 Material and instrumentation

ECHOSOUNDER	
Description	BioSonics Inc DT-X Scientific Echosounder
Configuration	
Responsible	BCP, ILE
Catalogue	TMOOS, IMEDEA (CSIC-UIB)
Location	IMEDEA, TMOOS warehouse, Floor -2

RTK SURVEY STATION	
Description	Leica Viva GS15
Configuration	
Responsible	AAE
Catalogue	ICTS SOCIB
Location	IMEDEA, TMOOS warehouse, Floor -2

COASTAL SAMPLING RUBBER BOAT	
Description	Valiant DR650 (6m)
Configuration	
Responsible	BCP, ILE
Catalogue	TMOOS, IMEDEA (CSIC-UIB)
Location	IMEDEA, TMOOS warehouse, Floor -2

3.5 Data sampling

