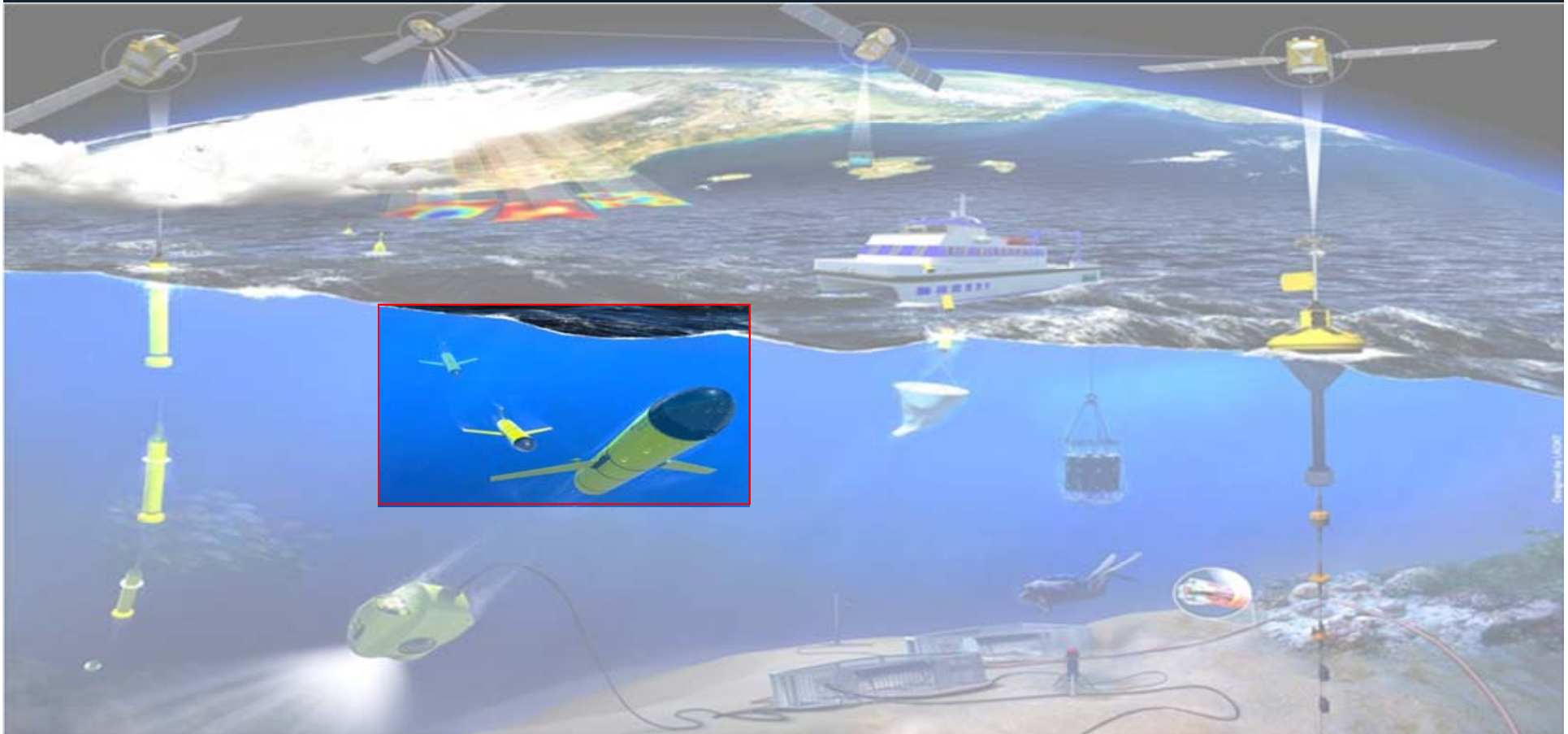


# GLIDERfacility



SOCIBinternal\_meeting

11Nov2014

MARCTorner

[www.socib.eu](http://www.socib.eu)

# OUTLINE

---




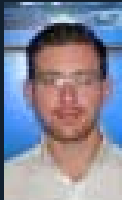
1. GF SNAPSHOT
2. GENERAL OBJECTIVES
3. MAJOR ACOMPLISHMENTS SO FAR 2013-2014
4. S.W.O.T.
5. MAJOR NEEDS
6. SUMMARY

# 1 GF SNAPSHOT

F  
G  
A  
L  
C  
I  
I  
D  
L  
E  
I  
R  
T  
Y

- Main Locations →
  - IMEDEA (labs, warehouse, control-room)
  - Calanova (hangar, SOCIB-I moorage)
  - SOCIB (administrative, management)

- Staff →


	Part-time Trainees			Permanent
				
	<b>MIRALLES</b> salbert	<b>RUBIO</b> manu	<b>WIRTH</b> niko	<b>TORNER</b> marc







- Myself →
  - Telecom. Engineer
  - Joined SOCIB on 1<sup>st</sup>-Sept-2010
  - Main Desk: Glider-Control-Room (IMEDEA, 1<sup>st</sup> Floor, C-003)

## 1.1 GF SNAPSHOT

---

### Interdepartmental Connectedness

Director's Office	
ETD	
Data Centre	
Computing	
Outreach	
Catamaran	
Modelling	
SIAS	
Glider Monitoring	

Fixed Stations	
Lagrangian Fac.	
Beach Monitoring	
HR Radar	
Blue Fin Tuna	
Management & Finance	

## 2 OBJECTIVES




= proposed point for discussion


- OPERATIONAL

- ▶ Endurance Lines

- 2015 { 6 CANALES missions , 5 week-long , 2 week-gapp

- 2016 { Repeat **CANALES2015** performance  
Attempt 365 CANALES days-in-water (if feasible)  
Kick-Off of 2<sup>nd</sup> endurance line 

- ▶ Open Access (O.A.)

- 2015 { 60 days of O.A. mission (minimum)  
Supra-TNA Engagement Support 

- 2016 { Accomplish 20% water-days (minimum)  
O.A. missions for (Inter)National entities

- ▶ Specific Projects

- { Passive Acoustics  
Satellite tracking

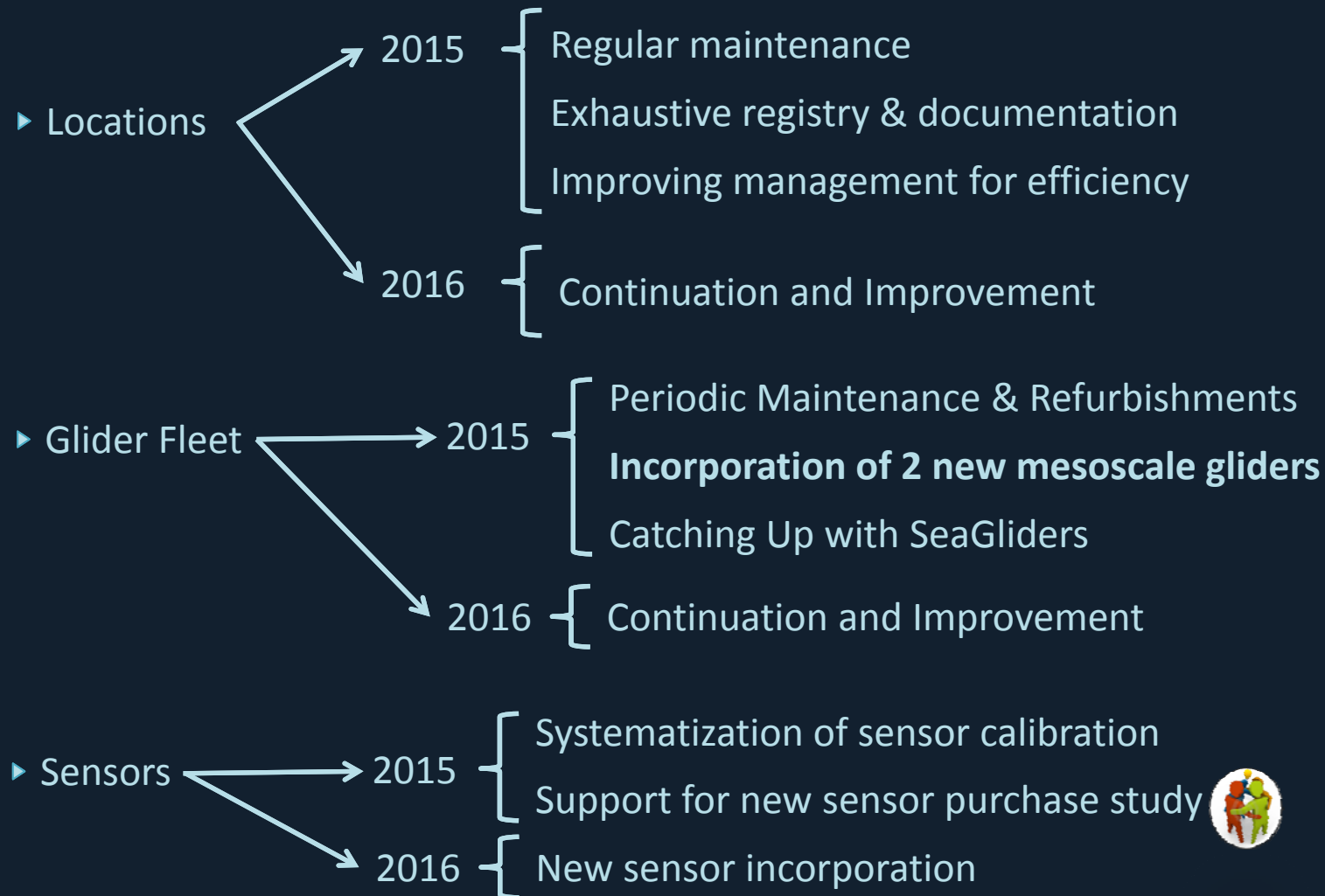


## 2 OBJECTIVES



= proposed point for discussion

### • INFRASTRUCTURES, TECH & EQUIPMENT



## 2 OBJECTIVES



= proposed point for discussion

- H.H.R.R.

- ▶ 2015 { Assimilation of new permanent Glider Tech.  
Renewing part-time collaborations  
UIB final-project internship  
Reinforcing Specialization (Pilots and Techs)



- ▶ 2016 { Keeping the team together and running!

- GLIDER DATA

- ▶ 2015 { Continue to offering support to Data-Center related tasks  
Updating + Better-Usage of Instrumentation DDBB and FTP (raw-upload)

- ▶ 2016 { Collaborating with advanced tasks (QC, international distribution,...) if requested

## 2 OBJECTIVES

---

- OUTREACH

- ▶ 2015 { Collaborating with Outreach and Director's Office  
Continuing with internal communications
- ▶ 2016 { ...

- INTERNAL MANAGEMENT

- ▶ 2015 { Extensive documentation of internal performance (post-mission Reports)  
Offer similar competences with SLOCUM and SEAGLIDER  
Increasing efficiency and Response to Glider Activity Solicitors
- ▶ 2016 { ...



# 3 MAJOR ACOMPLISHMENTS SO FAR 2013-2014

## • OPERATIONAL

Year	Mission Description	Days-in-Water	Nm navigated	Km navigated	CTD profiles	# Missions	
2013	Mixed missions mainly (in Balearic Channels) and kick-off of TNA-JERICO Deep missions	242	2824	5225	5480	10	A C H I E V E D
2014	Mixed missions mainly (in Balearic Channels) and TNA-JERICO Deep missions	147	1716	3175	3784	9	
TOTAL		389	4540	8400	9264	19	
		estimations only					
2014	1 Balearic channels missions, 1 TNA and eventually 1 project mission	60	701	1296	600	3	PLANNED AND FUTURE MISSIONS

CANALES

ALBOREX

SARDINIA

GALTIKA

ABACUS

# 3 MAJOR ACOMPLISHMENTS SO FAR 2013-2014

---

- INFRASTRUCTURES, TECH & EQUIPMENT

- ▶ Improvement of Pressure-Vessel and Ballasting-Tank
- ▶ Lithium Batteries on-board
- ▶ Acquired tools, gear and hardware as needed

- H.H.R.R.

- ▶ Overcoming consequences of personnel losses since 2012
- ▶ Strengthened interaction with direct collaborating facilities

- OUTREACH & GLIDER-DATA

- ▶ Successful collaboration with Outreach and Data-Center facilities in some of their achievements (Follow-the-Glider, Website-News, Post-processing, DAPP tracking of glider missions...)

# 3 MAJOR ACOMPLISHMENTS SO FAR 2013-2014

---

- INTERNAL MANAGEMENT

- ▶ Multi-glider mission capabilities
- ▶ Intensified documental registry of Administrative, Operational and Logistical aspects
- ▶ Successful coordination with scientific agents (SOCIB/IMEDEA) in particular projects
- ▶ Learning experiences with international glider groups (France, Italy, Manufacturer,...)

## 4 S.W.O.T.

---

### STRENGTHS

- Strong motivation & ambition
- Youth & Cohesion
- Technical Resources & Fertile-Supportive Corporative (SOCIB/IMEDEA) background

### WEAKNESSES

- Increasing Glider/Technician ratio
- Threat of Burn-Out syndrome
- Difficulties to close mission execution cycle (post-mission report)

### OPPORTUNITIES

- National and European glider mission outsourcing to SOCIB (reinforced by IMEDEA-TMOOS)
- Consolidation of SOCIB's GF as mature glider group
- National/International success and impact of SOCIB


### THREATS

- Auto-isolation (nut-shell effect)
- Weakening of interest in Gliders
- Glider industry leadership takeover by new glider manufacturer/model

## 5 MAJOR NEEDS




= proposed point for discussion

- Keeping Productivity-Objectives within realistic and reasonable margins
- Adjusting  $\frac{\text{Gliders}}{\text{GF-Pilots}} < 4$  and  $\frac{\text{Gliders}}{\text{GF-Techs}} < 5$  ratios
- Materialize End-User engagement to glider data products 
- Continuing infrastructural, material and hardware investment (only if needed)
- Assuring glider specific formation to GF members (when those are ready for it)

## 6 SUMMARY

---

- GF members like their job a lot!
- Tangible results achieved → BUT → must keep focused and pro-active
  - ▶ No science-class games ... GF must look forward to EXCELLENCE and PROFESSIONALITY
- Inter-working with the rest of the facilities is operational although it could always be brought to a next level of performance 
- Infrastructures & Material Resources are EXCELLENT for Glider Activity
  - ▶ All the contour necessities are covered. Now it is time to produce more and better 