

**MODULO RICHIESTA FORNITURA IN ECONOMIA**

\* LE RICHIESTE SARANNO NUMERATE A CURA DEL GRUPPO di SUPPORTO RICHIEDENTE

STRUTTURA <b>GEO</b> ARTICOLAZIONE _____ DATA 16/02/2026 <b>RICHIESTA*</b> N.11/2026								<b>RISERVATO ALL'UPA O AL G.S.</b>			
N° PROG.	INV.	CO NS.	DESCRIZIONE	COMMESSA	UNITA' DI MISURA	Q.TA'	IMPORTO UNITARIO EUR	AL. IVA %	PREZZO	CONSIP NO Esaurito Prezzo	
1			Componenti per l'assemblaggio e l'incapsulamento di idrofoni	102028_A.1_GLOW SOUNDS_INT_ALTR	Pz	1	697.60				
				"	Pz	1	1638.00				
NOTE _____ _____ _____								<b>DITTE INTERPELLATE</b>			
IL RICHIEDENTE _____ RESP. STR./ARTICOLAZIONE _____ _____ _____ _____ RESP. COMMESSA Mihai BURCA								<b>TOTALE IVA COMPRESA</b> € _____			
VOCE DI SPESA AMMESSA A RENDICONTAZIONE: <input checked="" type="checkbox"/> Si <input type="checkbox"/> No <b>RICHIESTA DI RIMBORSO MEDIANTE SERVIZIO INTERNO DI CASSA</b>								<b>DISCIPLINARE PER L'ACQUISTO D.LGS. 50/2016</b>			
<input type="checkbox"/> spese per piccole riparazioni, manutenzioni di mobili e locali <input type="checkbox"/> minute spese d'ufficio <input type="checkbox"/> spese di vettura <input type="checkbox"/> spese postali <input type="checkbox"/> spese per giornali, pubblicazioni, periodici e simili								<input type="checkbox"/> Art. 36, Il comma, lettera a) <input type="checkbox"/> Art. 36, Il comma, lettera b) Altro _____			
FIRMA PER AVVENUTO RIMBORSO _____								<b>RIMBORSO a</b>			
FIRMA PER ACQUISTO TRAMITE SERVIZIO INTERNO DI CASSA <input type="checkbox"/> IL DIRETTORE GENERALE <input type="checkbox"/> IL DIR. DI DIP. O STR. TECN. DI SERV. <input type="checkbox"/> IL DIRIGENTE AMM.VO											
ID.DG e TIPO documento    Nr. Registrazione    DATA    FIRMA _____ _____				<b>AUTORIZZAZIONE ALL'ACQUISTO</b>							
				NOTE RELATIVE ALL'AUTORIZZAZIONE    DATA _____							
DATA    REGISTRAZIONE UFFICIO RAGIONERIA				OR DI NE EV AS				<input type="checkbox"/> IL DIRETTORE GENERALE <input type="checkbox"/> IL DIR. DIP. O DI STR. TECN. SERV. <input type="checkbox"/> IL DIRIGENTE AMM.VO			



Come si evince nell'email dd 16/04/2025, "Global Sounds: Low-Cost Hydrophone Project" è stato ufficialmente approvato dal Decennio oceanico delle Nazioni Unite come azione del Decennio.



Burca, Mihai <mburca@ogs.it>

**Global Sounds: Low-Cost Hydrophone Project officially endorsed by the UN Ocean Decade as a Decade Action**

1 messaggio

International Quiet Ocean Experiment <ed.urban@scor-int.org>  
Rispondi a: ed.urban@scor-int.org  
A: mburca@ogs.it

16 aprile 2025 alle ore 00:59



**Global Sounds: Low-Cost Hydrophone Project has been officially endorsed by the UN Ocean Decade as a Decade Action**

We're proud to share that our Global Sounds: Low-Cost Hydrophone Project has been officially endorsed by the UN Ocean Decade as a Decade Action!

This IQOE initiative is designed to make underwater sound monitoring more accessible and inclusive, by developing affordable, open-source hydrophones for research, education, and community science worldwide. Sound is a critical component of healthy marine ecosystems, and by democratizing access to acoustic monitoring tools, we aim to empower a global network of users to better understand and protect our oceans.

A big thank you to all our collaborators and supporters. Together, we're listening to the ocean — and amplifying its voice. 🌊

From Lucille Chapuis, Chair, IQOE Task Team on Low-Cost Hydrophones for Research, Education, and Citizen Science



Il gruppo di progettazione e ricerca (con membri dal Australia, Italia, Stati Uniti, Canada, Germania, etc.) del progetto Global Sound (finanziato da POGO ( <https://pogo-ocean.org/innovation-in-ocean-observing/activities/low-cost-hydrophones/> ) ha ricevuto una proroga per problemi collegati alla perdita/furto in mare del primo prototipo e della reperibilità dei materiali fino al **31/03/2026**.



[www.pogo-ocean.org](http://www.pogo-ocean.org)

Plymouth 7/10/25

**PROJECT FUNDING Extension Agreement – Development of a low-cost hydrophone for research, education and community science**

**Grant number: POGO-2024-P-6244**

**This Project funding Extension Agreement** (hereinafter referred to as 'The Extension Agreement') is made

between

**The Partnership for Observation of the Global Ocean**, a charitable incorporated organization registered and regulated by the Charity Commission of England and Wales, No. 1171692, in England, United Kingdom (hereinafter referred to as '**POGO**'), which shall include its agents, assigns, officers and successors in title, acting per its CEO, Dr Sophie Seeyave, of the one Part;

and

**Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - OGS**, a public research institution, in Borgo Grotta Gigante 42/C, 34010 - Sgonico (TS) - Italy] (hereinafter referred to as '**OGS**'), which shall include its agents, assigns, officers and successors in title, acting per its Director of Section of Geophysics – GEO, Dr Fausto Ferraccioli, of the other Part;

Il giorno 10/03/2026 il leader del progetto ha risposto come da accordi al finanziatore (POGO) del progetto:



**Lucille Chapuis**  
a POGO, me ▾

mar 10 feb, 07:58 (4 giorni fa) ☆ 😊 ↶ ⋮

Dear Laura,

Please find attached!

Best wishes,  
Lucille

**Lucille Chapuis** (she/her)  
ARC DECRA Research Fellow  
La Trobe University  
School of Agriculture, Biomedicine and Environment  
Melbourne Campus  
HS2 328, Bundoora, VIC, 3086  
M +61 4 507 44 307 | E [l.chapuis@latrobe.edu.au](mailto:l.chapuis@latrobe.edu.au)  
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[sharkslkejazz.com](http://sharkslkejazz.com)

L'allegato riporta:

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### **Update on the Low-Cost Hydrophone Initiative**

In January 2026, the IQOE–POGO Low-Cost Hydrophone Task Team reached an important milestone with a hands-on collaboration in Halifax, Canada. During this visit, Task Team lead Lucille Chapuis worked closely with team member Jim Theriault to assemble several prototype units and refine key aspects of the build process. The visit also provided an opportunity to meet with experienced hydrophone constructors based in Halifax, enabling valuable knowledge exchange around design choices, assembly workflows, and practical considerations for field-ready autonomous recorders.

This in-person collaboration marked a key step in moving from design to production. Lessons learned during the Halifax sessions are now being directly integrated into the final prototype design and assembly plan, strengthening the robustness and reproducibility of the system.

Building on this progress, the Task Team is now moving ahead with the construction of the first batch of 25 low-cost hydrophone prototypes, funded through POGO support. Over the coming weeks, we will be contacting researchers, educators, and practitioners who have expressed interest in participating as beta testers. Selected testers will deploy the devices across a range of environments and applications, providing critical feedback on performance, usability, and data quality.

This upcoming beta-testing phase represents a major step toward our shared goal: delivering an affordable, open-source hydrophone system that can support ocean sound monitoring for research, education, and community science worldwide. We look forward to sharing further updates as the prototypes are built, deployed, and evaluated.

See video of the prototype building process [here](#).

**Author:** Lucille Chapuis, on behalf of the IQOE Task Team

**Picture:** electronics ready for prototypes (Credit: Lucille Chapuis)



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Ocean Environmental Consulting  
9 Ravine Park Cres.  
Halifax, NS  
Canada B3M 4S6  
902-452-5331

## Quotation

Date 2026-02-17  
Quote 260217-01

Bill To: IQOE Low Cost Hydrophone Task Force  
National Institute of Oceanography and Applied Geophysics  
Borgo Grotta Gigante 42/C  
34010 – Sgonico (TS) - Italy

Ship To: Various

Purchase Order:

Item	Quantity	Description	Unit Price ( € )	Total Price ( € )
1		Hydrophone potting components	697.60	697.60
	50	Blue Robotics penetrators – 392.00 USD		
	1	Duties on Blue Robotics penetrators – 168.92 CAD		
	1	Plastic Resin 31.96 CAD		
	1	Epoxy and Resin 169.69 CAD		
2		Components for Australian Assembly	1,638.00	1,638.00
	15	- base PCB: 90 €		
	21	- pre-amps: 378 €		
	21	- ADC boards: 735 €		
	1	- shipping (Italy to Australia) 52 €		
	32	- DC/DC Converter Pololu 2831 (383 €)		
		Total		2,335.60