The Research leading to these results has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 262584, JERICO

TNA PROJECT REPORT

1st Call of Proposals
12 January – 3 April, 2012

A) General Information

Proposal reference number(1)	CALL_1_13
Project Acronym (ID) (2)	GLISS
Title of the project(3)	Passive sampling and glider technologies for depth-integrated contaminant concentrations in the ocean
Host Research Infrastructure(4)	COBS 4 POL GLIDER
Starting date - End date(5)	• Norway to UK trip by Ian Allan: 2nd-4th September 2013 • Glider deployment was from 12.09.2013 till the 21.10.2013
Name of Principal Investigator(6) **Home Laboratory** **E-mail address** **Telephone**	Ian Allan Environmental chemistry, Section 312 Norwegian Institute for Water Research (NIVA) Gaustadalleen 21, NO-0349 OSLO Ian.allan@niva.no +47-22-18-51-00
Additional users (7)	Branislav Vrana (RCETOX, Research Centre for Toxic Compounds in the Environment, Brno, Czech republic)

B) Project objectives (max. 250 words) (8)

Evaluate the possibility to deploy passive sampling devices fastened onto glider from the National Oceanographic Centre (NOC, Southampton, UK).

C) Main achievements and difficulties encountered (max. 250 words) (9)

A successful deployment of silicone sheet passive sampling devices was undertaken in September-October 2013 near the Isles of Scilly. Samplers were recovered and brought back safely.

The original plan was to use a static sampling site to expose samplers for calibration of the data obtained from the mobile samplers. No static sampling sites could be found in the vicinity of the study site.

D) Dissemination of the results (10)

In due course, results from this study will be published. Analysis of the exposed passive samplers is needed prior to publication.

E) Use of the Infrastructure/Installation (11)

	In situ	By remote
Nr. of Users involved	1	2
Access units (days/months/etc)	2 days	1 day
In situ stay day / Remote Access duration	2 days	39 days

F) User project scientific field

Main field (12)	Earth Sciences & Environment
Scientific description (13)	Other – Environment

H) Technical and Scientific preliminary Outcomes (max. 2 pages) (14)

A preliminary outcome from this work was to demonstrate that the deployment of passive sampling device for the measurement of trace level organic contaminants at remote sites and for spatially-integrated monitoring is feasible. This work was also an opportunity for NOC to get acquainted with the use of passive sampling methods. The scientific outcome includes the measurement of trace level organic contaminant concentrations measured with silicone polymer. These include polycyclic aromatic hydrocarbons, polychlorinated biphenyls and other chlorinated organics. Since the glider sampling was supposed to monitor a tidal mixing front, we hope the data may be representative of such an environment. Sampling devices have yet to be analysed.

-.-

Guidelines for the TNA Project Report

This report is due within one month after the completion of the JERICO TNA project by the User Group Leader (P.I.) and should be submitted to the **JERICO TNA Office** (**jerico.tna@ismar.cnr.it**) and the **Scientific Site Coordinator** at the hosting facility with a copy to the **JERICO Coordinator** (**jerico@ifremer.fr**).

An online "user group questionnaire" has also to be completed by each **Group Leader** of a user-project supported under JERICO as soon as an experiment has come to an end - you will find it here: **http://cordis.europa.eu/fp7/capacities/questionnaire_en.html#fnote**.

NOTES:

Refunding of the TA reimbursement will be processed as soon as the JERICO TNA Office, the Scientific Site Coordinator and the JERICO Coordinator will received this report.

Part of the information collected with this report will be used to fill in the European Commission MS Access database. Following article 4.4.2, the User Group PI will be asked by the JERICO Coordinator to update it at the reporting deadlines.

Notes for the compilation

1. It is the reference number assigned to the proposal by the TNA-Office.
2. It is the user-project identifier and must be unique under the grant agreement and for its lifetime. The length cannot exceed 20 characters.
3. Specify a title for the approved proposal. The length cannot exceed 255 characters.

4. Name of the installation/infrastructure accessed with this project. If more than one. installations/infrastructures are used by the same project; please list them in the box.
5. Specify starting and end date of the project (including eventual preparatory phase before the access).
6. Fill with the full contact of the Principal Investigator (user group leader).
7. List the full users team (name and affiliation) that made direct use (physically or remotely - please specify) of the installation/infrastructure under the direction of the group leader.
8. Write the short-term, medium and long-term objectives of project. Use no more than 250 words.
9. Describe briefly the main achievements obtained and possible impacts, as well as possible difficulties encountered during the execution of the project. Use no more than 250 words.
10. Describe any plan you have to disseminate and publish the results resulting from work carried out under the Transnational Access activity in JERICO: scientific articles, books - or part of them -, patents, as well as reports and communication to scientific conferences, meetings and workshops. Highlight peer-reviewed publications. Users supported under the transnational access activity are encouraged, as far as possible, to make available on open repositories their publications. Acknowledgement to EC and JERICO is requested following article 4.5 of the "End-User" Agreement.
11. Indicate the number of users involved in the activity (the P.I. plus the users described at point 6), the amount of access to the installation/infrastructure and the length of in-person stay at the installation or the operator laboratory (e.g. for preparing the experiment).
12. See Annex, First column.
13. See Annex, Second column.
14. Describe in detail results and main findings of your experiment at the present stage.

Annex of the TNA Project Report - User-Project Scientific fields

Main field	**Scientific description**
Physics	Astronomy/Astrophysics/Astroparticles Atomic & molecular physics Condensed matter physics High energy and particle physics Nuclear physics Plasma physics Quantum electronics & optics Other - Physics
Chemistry	Chemistry
Life Sciences & Biotech	Food quality & safety Agriculture & Fisheries Medicine Veterinary sciences Molecular & cellular biology Other - Life Sciences & Biotech
Earth Sciences & Environment	Global Change & Climate Observation Ecosystems & Biodiversity Natural Disaster & Desertification Marine Science/Oceanography Water Science Hydrology Other – Earth Science Other – Environment
Engineering & Technology	Aeronautics Space New production processes Nanotechnology & Nanosciences Transport Other - Engineering & Technology
Mathematics	Mathematics

Information & Communication Technologies	IST for citizens, businesses & organizations Trust & Security Communication & Networks Computing & software technologies Components & Micro-systems Knowledge & interface technologies Other - ICT
Material Sciences	Knowledge based multifunctional materials Other - Material Sciences
Energy	Sustainable energy systems Fusion Other - Energy
Social Sciences	Economics Political Sciences Educational sciences Law Demography Other - Social Sciences
Humanities	Arts Hystory Languages Other - Humanities