PAMGUARD Maintenance and Support Activities
Q1: 1st October 2014 – 31st December 2014

Tasks Completed:

Bug Fixing

The following bugs in PAMGuard were addressed in Q1:
20 separate bugs were fixed prior to the release of PAMGuard version 1.13.00 at the end of December. An additional two bugs were rejected, one because it could not be replicated and a second because insufficient information was provided by a user.
One additional bug has been fixed since the release. This is unlikely to affect any but a very small number of users and will go into the next release.
Details of all bug statuses and fixes can be found on the PAMGuard Sourceforge site. A summary of bugs which may be affecting users is given at http://www.pamguard.org/bugs.php.

Code Maintenance

A new release of PAMGuard – Version 1.13.00 Beta was prepared and made publically available in December. Eleven new modules were included in the release and a number of features added to existing modules. Details can be found at
http://www.pamguard.org/57_ReleaseNotes.html.

Website Administration and Maintenance

Updates to the website have been made to publicise the new release.

Support to Developers

Support to developers, primarily those developing new features for the ROCCA module and the DIFAR module was provided during the building of the release.

User Support

Five users contacted the PAMGuard team in December for support, comprising a total of 10 separate emails.

Self-sustaining Scoping Document

A brief investigation was conducted to summarise options available for making money from open source software. A forum meeting is required early 2015 with JIP (including Roy Wyatt- Seiche Measurements Ltd) to discuss options for voluntary contributions and funding developments.

Downloads:

The web stats show a total of 801 downloads of PAMGuard software between 1st October 2014 and 31st December 2014.

Activity Reports

Download Name	Downloads
Maintenance Report February 2012	28
Maintenance Report March - April 2012	8
Maintenance Report May - June 2012	12
Activity Report June to December 2012	36

General Configuration Files

Download Name	Downloads
Sperm Whale Click and Dolphin Whistle Detection	60
Sperm Whale Click Detection	49
Porpoise Click Detection	51

Likelihood Detector Configuration Files

Download Name	Downloads
Sperm Whale	43
Humpback	44
Bowhead Whales	36
Beaked Whale	39
Readme File	51

PAMGuard Software

Download Name	Total	Windows	Linux	Mac
Beta 1.13.00	152	141	9	
Beta 1.12.06	65	65		
Beta 1.12.05	465	446	15	
Core 1.6	46			
Beta 1.10.00	73	16		57
	801			

Publications

Download Name	Downloads
Free PAM software to improve marine mammal detection	54
A quick guide to PAMGuard	153
Free PAM software to improve marine mammal detection	62
PAMGUARD: Open Source Software For Real-time Acoustic Detection and Localisation of Cetaceans	50

Pamguard: Semiautomated, open source software for real-time acoustic detection and localisation of cetaceans	63

ROCCA Configuration Files

Download Name	Downloads
ETP Species Classifier	55

Details of registration information from the download pages are as follows:

Industry	Downloads
Oil & Gas	118
Civil Engineering	13
Offshore Wind	5
Tidal and Wave Energy	5
Academic Research	151
Other	100
Rather Not Say	14

Operation	Downloads
Real time mitigation	142
Abundance Estimation	47
Behavioural Research	79
Other	116
Rather Not Say	22

Geographic	Downloads
US	83
Europe	202
Africa	19
Australasia	14
Asia	23
Other	52
Rather Not Say	16

Location	Downloads
Global	104
US	47
Europe	145
Africa	18
Australasia	13
Asia	16
Other	47
Rather Not Say	18