

Process for Approval of Research Expenditure

Executive Secretary

Background

In March the Bureau discussed and recommended a process for allowing the Commission to approve expenditure under the research budget. The process was:

1. The Scientific Committee will produce its usual proposed list of expenditure to support its work in the period June 2013 to June 2014. If the total expenditure required is in excess of the £315,800 budget allowance the Committee will also produce a reduced list of expenditure to fit to budget.
2. This proposed list of expenditure will be circulated around the whole Commission upon completion of the Scientific Committee's report
3. Any comments from Contracting Governments relating to the proposed research expenditure will be returned to the Secretariat
4. Should any Contracting Party ask for modifications to the proposed list of expenditure the Secretariat will request a response from the Chair of the Scientific Committee.
5. The collated requests from Contracting Governments and responses from the Chair of the Scientific Committee will be provided to the Bureau for review at its meeting in September/October 2013.

Progress Update

The proposed list of research expenditure was circulated to Contracting Governments as an integral part of the Scientific Committee's report through Circular Communication IWC.ALL.198 of 28 June 2013.

Three responses were received from Contracting Governments and these are collated at Annex 1. The responses contained the following comments in regard to the proposed research budget allocation:

Process related concerns	Options to respond
Request for prioritisation of projects in light of Commission focus, and for identification of criteria used for prioritisation	The Heads of Delegation to the Scientific Committee acknowledged concerns regarding the process used to allocate funds and requested a procedural review. The terms of reference for that review are provided at IWC/S13/BUR 12.
Recording of views regarding use of Commission funds to support Annex P reviews	
Scientific Committee reporting procedures	
Review of Scientific Committee governance procedures	

Concerns with expenditure on specific projects	Amount (£)	Comments by responding Contracting Governments (see Annex 1)
Workshop to develop SLAs for Greenlandic hunts	8,000	Request for allocation to be delayed until matters related to quota for 2013 and beyond are resolved.
Abundance of Bryde's whales in Hauraki Gulf	27,100	Decision not to allocate funding accepted, though issue of ship strikes on this population is important.
Satellite tagging of Antarctic minke whales	69,500	Concerns regarding zero allocation in view of SC's observation that minke whale habitat usage represents a major data gap.

Next Steps

The Bureau are invited to discuss the concerns raised and, if appropriate, develop a process for the Commission to approve expenditure under the 2013-14 research budget – either in whole or in part.

One potential solution to the concern regarding a proposed zero expenditure on the Antarctic minke whale satellite tagging project may be to consider usage of unspent funds from research allocations from previous years.

The 2012 auditor's report identified a relatively large closing balance (31 September 2012) on the research fund. The Secretariat has conducted an internal analysis of the composition of these unspent funds as at July 2013 and this is presented at Annex 2.

This review revealed 14 historic projects where previously allocated funding is no longer required. For some projects a reallocation to a closely related area of ongoing work may be appropriate. For example, the £4,116 left over from the development of a web based system for data entry to the ship strikes database could be transferred to cover the £2,000 reduction to the ship strike co-ordinator role proposed in the Scientific Committee report.

However, for some of the other historic projects a re-allocation to new or unrelated work areas may be appropriate.



Australian Government

Department of Sustainability, Environment, Water, Population and Communities

Dr Simon Brockington
Executive Secretary
The International Whaling Commission
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UNITED KINGDOM

Dear Dr Brockington

I write to you in response to circular IWC.ALL.198 of 28 June 2013 in which you provided a copy of the Scientific Committee's plenary report and sought the views of Member Countries on the proposed allocation of the Scientific Committee's research budget. I wish to extend my thanks and appreciation to the IWC Secretariat for their efforts in supporting the June 2013 meeting of the IWC's Scientific Committee in Jeju, Republic of Korea.

Scientific Committee research budget – priority projects

In relation to the Scientific Committee's proposed budget, Australia is concerned that the Committee does not appear to be implementing a best practice approach to prioritising the allocation of funding to research projects in accordance with its own current Rules of Procedure. As the circular notes, the Scientific Committee's Rule of Procedure G.3 states that 'the Scientific Committee shall recommend in priority order those research proposals for Commission financial support as it judges best meets its objectives'.

The research budget presented in the 2013 Scientific Committee report lists projects alphabetically according to their report reference and does not clearly prioritise the activities against justifiable criteria. Australia is concerned that there is no information on the specifics of the process undertaken by the Committee to scrutinise and prioritise projects for funding submitted by the sub-groups of the Committee.

Australia would appreciate further detail from the Committee on the process used to prioritise the 2013-14 research activities. This should include what criteria were used to prioritise proposals - such as Commission resolutions and instructions, scientific criteria and any other criteria such as the costs and benefits of each project. Australia considers the development and application of non-lethal research methods in the Southern Hemisphere under the Southern Ocean Research Partnership to be high priority and notes with concern that this project had its funding reduced to zero in the Committee's 2013/14 budget. There is no clear rationale for this decision that we could ascertain from the report.

It is also our view that the prioritisation process should result in the listing of high priority projects that are recommended for funding to the point where the budget is fully allocated, but also list priority projects that fall below this line. This would enable funding to be efficiently reallocated to lower priority but still "important and valuable" projects, if a subsequent shift in priorities or change in circumstances throughout the remainder of year allows.

Subject, of course, to your advice in response to my earlier questions, it would also appear that the Scientific Committee's deliberations would benefit from a clearer articulation of priority areas, issues and timelines on which the Commission requires scientific advice. It would appear from the information available in the Scientific Committee report that in a number of instances the Committee may be relying on Commission resolutions from 10 or 20 years ago to inform, in part, its investment priorities for research funding. The continuing priority of issues identified in those earlier resolutions clearly needs to be tested by Commission Plenary – it is an unreasonable impost on the Scientific Committee, with its large number of Invited Participant scientists, to be burdened with making judgements (such as on the ongoing priority of past resolutions) that more properly lie with Member Countries. In the interim, the guidance that can be provided by Heads of Delegations to the Scientific Committee is important in this regard.

Scientific Committee research budget – Annex P reviews

Australia notes the recommended allocation of Commission research funds of £25,000 to an "Expert Workshop to review JARPA II". As you would be aware, Australia has previously advised that limited Commission funds should not be used for 'Annex P' reviews and Australia continues to hold that view. Australia raised this concern at the 64th IWC meeting in 2012 in Panama associated with the allocation of Commission funds to support Iceland's Annex P review. We would like our views on this matter to be recorded.

Scientific Committee research budget – Workshop on developing SLAs for Greenland hunts

Australia does not support the allocation of IWC funds to the proposed "Intersessional Workshop on Developing SLAs for the Greenlandic Hunts" until the matter of quotas for Greenland's Aboriginal Subsistence Whaling (ASW) for 2013 and beyond is resolved. We acknowledge that the Scientific Committee considers the development of long term Strike Limit Algorithms (SLAs) for the Greenlandic hunts under the Aboriginal Whaling Management Procedure to be high priority work. However, Australia believes that funding for this workshop, and any related projects, should not be agreed until an ASW quota for Greenland has been agreed in accordance with established Commission process.

As you would be aware, Denmark's Commissioner, Ms Gitte Hundahl, notified the Commission on 1 July 2013 (IWC.CCG.1064 refers) of Greenland's decision to unilaterally implement an ASW quota in the absence of a Commission decision on catch limits for 2013 and beyond. Denmark advised that while hoping for a solution to the ASW quota issue, it would submit notification of its intention to leave the IWC by 1 January 2014 if the matter was not resolved by that date. Australia is willing to agree to funding for the Greenlandic SLA workshop once the matter of the ASW quota has been resolved.

Scientific Committee reporting procedures

I would also like to raise concerns about the Scientific Committee's reporting mechanisms, in particular, the rapporteuring at the Committee's meetings. I note that text which was discussed and agreed on the final day of the Committee Plenary was not reflected in the Scientific Committee's final report as negotiated and formally agreed during the meeting. I am also advised that an agreed summary text, on a controversial matter included in an Ecosystem Modelling Working Group Chair's draft summary, was excluded from the draft Committee report. I have been informed that you may be aware of this issue, as relevant emails on the matter were copied to you.

Reports and recommendations of IWC Committees or sub-groups are tabled at Commission meetings for Member Countries' consideration and decision. Those reports should, therefore, effectively reproduce the discussions, decisions and recommendations of those groups. Anything less is unsatisfactory. Australia therefore considers that it is timely to assess the merits of using a specialist rapporteur service to support the Scientific Committee in its deliberations

Review of Scientific Committee governance procedures

Australia welcomes the decision by the Heads of Delegations to the Scientific Committee to request "that the Secretary review the governance rules, procedures and practices of the Scientific Committees of other inter-governmental organisations and report back to the Scientific Committee in 2014 in order to assist discussions of the working methods of the Committee." The review is both a timely and practical measure that will assist in ensuring that the Scientific Committee's governance arrangements reflect world's best practice.

Australia is of the view, however, that this is not simply a matter for the Scientific Committee, with its substantial component of 'Invited Participant' scientists, but rather that it is the views of Member Countries that need to inform the review. To this end, the Secretary's report and recommendations should be submitted to the Commission Plenary for consideration and decision. If feedback from other Member Countries on this circular, and the findings of the review prompted by the request from the Heads of Delegations, indicate the need for a more comprehensive review of the Scientific Committee's processes, Australia recommends that terms of reference are developed and that such a review is undertaken by an independent expert.

As Chair of the IWC's Finance and Administration Committee and Bureau member, I will also raise these issues at the forthcoming Bureau meeting in September.

Thank you for considering these issues and I look forward to your response.

Yours sincerely



Donna Petrachenko
Australia's Commissioner to the IWC

2 August 2013

9 August 2013

Dr Simon Brockington
Secretary
International Whaling Commission
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UNITED KINGDOM

Dear Dr Brockington

I refer to Circular IWC.ALL.198 of 28 June 2013 in which you invited Commission Members' views on the Scientific Committee's proposed research allocation for the 2013-14 financial year.

We recognise that the Scientific Committee was placed in a difficult position in having to recommend priorities for the coming research year in the absence of a Commission meeting this year, and that the funding sought by project proponents considerably exceeded the amount available. Even so, we have a number of concerns about the process by which this proposed allocation was arrived at and the outcome.

First and fundamentally, it is not clear to us that the proposed research allocation reflects the views of the Scientific Committee membership. As we understand the situation, the proposed allocation was the result of a compilation of the views of the convenors of the various Committee sub-groups. The compilation was then discussed in meetings of Heads of Delegation but that there was insufficient time at the June meeting in Korea for the Heads to fully review the proposed allocation and therefore, insufficient time in which the Heads could reach a concluded view on the document. We understand, however, that a number of Heads of Delegation expressed reservations about aspects of the proposed allocation.

For New Zealand, we accept the decision not to allocate any funding for the coming financial year to partially fund an aerial survey to estimate the abundance of Bryde's whales in the Hauraki Gulf, though the issue of ship strikes of this stock is an important and continuing one. We have serious questions, however, about the proposal to allocate zero funding to the proposed satellite tagging of Antarctic minke whales to provide information on breeding grounds, habitat utilisation and availability bias, particularly in

view of the observation made in the Report of the Scientific Committee that "Habitat utilisation, location of breeding grounds and diving behaviour of Antarctic minke whales represent major data gaps in the Committee's knowledge in relation to four major issues." As a member of the Southern Ocean Research Partnership, New Zealand attaches considerable importance to this project. While we recognise that the funding sought for this project was considerable, it is striking that no funding at all was proposed for this project when there was no overt statement by the Committee that this project was of a lesser priority than other projects for which funding was proposed, either wholly or in part.

We ask that the Bureau look carefully at the overall allocation with a view to ascertaining whether some adjustments might be made to enable a start to be made on the Antarctic minke tagging programme in the coming year.

We have also taken note of the Scientific Committee's request that you, the Secretary, should review the governance, rules, procedures and practices of the Scientific Committees of other inter-governmental organisations and report back to the Scientific Committee in 2014 in order to assist discussions of the working methods of the Committee. We agree that it would be timely and useful for a review of the Scientific Committee's working methods and, in that context, to understand how similar committees in other organisations operate. In our view, however, the responsibility for making decisions on these matters must remain with Commission members. We would expect, therefore, that any recommendations for changes to the Scientific Committee's working methods would be considered by the Commission at its next meeting.

Yours sincerely

A handwritten signature in black ink, consisting of a large, stylized 'G' followed by a long, sweeping horizontal line that extends to the right.

Gerard van Bohemen
New Zealand Commissioner to the IWC



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Your ref: SB/JAC/31700
August 2013

Proposed Allocation of IWC Scientific Committee Research Budget

Dear Dr. Brockington

I write in response to IWC circular IWC.ALL.198 seeking views on the Scientific Committee's proposed research allocation for 2013-14. I would firstly like to thank the secretariat for their hard work in ensuring a successful meeting in Jeju, Republic of Korea. We also appreciate the tremendous effort made by many scientists from all over the world in producing the annual report, work plan and budget proposal.

The UK is conscious of the workload of the Scientific Committee and the difficulties it had this year in discussing its budget. We also appreciate that efforts have been made in the Committee's report to cross-link work with resolutions but have some concerns about how well the priorities reflect the Commissions current focus. We believe it will be helpful for the future if a clearer process can be identified to help the work of Scientific Committee and that this should clearly reflect the priorities of the Commission and contracting Governments. A review of the committee's processes would be timely and helpful.

The Committee would benefit from clear guidelines on how to prioritize its tasks including consideration of funding. To this end we fully support the Committee's decision to take a step in this direction with a review of the governance rules, procedures and practices of the scientific committees of other inter-governmental organisations and report back to the next meeting. We look forward to receiving the Scientific Committee's recommendations at the Commission meeting in 2014.

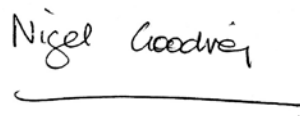
The UK further supports the development of a process which includes consideration of who plays a more substantial role in the prioritisation process, including Heads of Delegation, and that this process should also allow the development of alternative options for deliberation by the Commission.



The UK also supports the views expressed by Australia in their response of August 2nd 2013 on these issues, particularly the need for consideration of further independent review of the Scientific Committee's processes.

I would ask that a decision on the budget and the above be discussed at the Bureau meeting in September.

Yours sincerely

A handwritten signature in dark ink, reading "Nigel Gooding". The signature is written in a cursive style. Below the signature is a horizontal line that extends to the right, ending with a small dot.

Nigel Gooding
UK Commissioner to the IWC

Annex 2

Research fund Status July 2013

Project No.	N/L code	Program description	Final balance (£) May 13
1	71200RES	Invited participants	24,028
2	71459RES	Simulated minke whale line transect data - Smith	1,250
3	71460RES	Standard analysis method	0
4	71461RES	IDCR/SOWER biopsy and photo-identification records database.	6,390
5	71462RES	Abundance estimates of Antarctic minke whales using SOWER data.	7,555
6	71463RES	Intersessional workshop on North Pacific minke whales	21,845
7	71464RES	Updated simulations of dispersal for western North Pacific minke whales.	0
8	71466RES	Travel for earplug ageing expert in calibration experiment	0
9	71468RES	Statistical catch-at-age estimators for Antarctic minke whales	5,614
10	71469RES	Preparatory work for considering survey coverage issues relative to changes in minke whale abundance estimates between CPU and C'PIII	0
11	71470RES	Contract 16 - SH Humpback catalogue	4,220
12	71474RES	SH Blue Whales - photo-ID catalogue	751
13	71500RES	Pollution 2000+	0
14	71502RES	Scoping meeting for POLLUTION 2000+ Workshop	0
15	71505RES	FAO fisheries statistics	7,778
16	71506RES	Workshop on the use of mkt sampling to est' bi-catch	9,973
17	71507RES	Estimation of bycatch. Data collection and market pathways	3,355
18	71508RES	FAO expert consultation on modelling ecosys interaction	1,500
19	71509RES	Dev web-based system for data entry to IWC ship strike Dbse	4,116
20	71511RES	SOCER - Stachowitsch	0
21	71512RES	Development of an online submission database for Progress Reports	3,858
22	71513RES	Risk assessment modelling to determine the impact of pollutants on cetacean populations	11,744
23	71514RES	Website and Listserve and Communication Tool for the Coordination of the Cetacean Emerging and Resurging Diseases	1,500
24	71515RES	Pre-meeting: Marine Renewable Energy Developments and Cetaceans	0
25	71516RES	Marine debris pre-meeting - Simmonds	40,317
26	71540RES	AS - Developer's Fund (AWMP fund for developers)	16,462
27	71545RES	Genetic Simulation Studies	3,500
28	71580RES	SOWER (other incl. digiti'zn accoustic records)	4,036
29	71586RES	Ship strike database coordinator	4,000
30	71594RES	CCAMLR/IWC Workshop in July 2008	6,980
31	71620RES	AWMP Intersessional Workshop	0
32	71625RES	Workshop on Greenland fisheries.	6,114
33	71626RES	Greenland humpback/bowhead modelling - Punt	5,000
34	71730RES	JARPN II review w'shop	15,000
35	71731RES	Icelandic SP review workshop	9,201
36	71742RES	Dev of add'n h'bck assessment models	3,500
37	71744RES	Antarctic blue whales photo matching - Olson	750
38	71752RES	IA POWER Cruise	123,063
39	71759RES	SOWER 2008/09 cruise and planning meeting	0
40	71765RES	W. North Pacific gray whale telemetry, contingent on meeting the requirements in Annex F.	661
41	71855RES	Catch data	2,988
42	71860RES	RMP Inter-sessional (Brydes Whales)	4,596
43	71863RES	Audit western NP Bryde's whale survey data	2,000
44	71864RES	Review & guidelines for line transect abundance estimates - Hedley	5,000
45	71866RES	Investigate anomalies .] allozyme and DNA-based analysis results	0
46	71868RES	Workshop to review MSY rates	2,896
47	71870RES	Computing support for Implementations	36,449
48	71871RES	Southern Ocean right whale photo-identification catalogue	0
49	71872RES	Southern Right Whale Assessment Workshop	4,454
50	71873RES	Pacific wide study on population structure and movements patterns	1,800
51	71874RES	Right whale survey - Best	1,048
52	72001RES	Intersessional Workshop proposal: Finalisation of 'Guidelines for the analysis of population genetic data' and 'Guidelines for genetic data quality control'	1,462
53	72010RES	TOSSM project	433
54	72021RES	LaWE Steering Group Meeting	870
55	72022RES	Data compilation and power analyses for the LaWE	0
56	72023RES	Guidelines & training in Oman - Baldwin	0
57	xxxxxRES	JCRM SOWER Publication Fund	36,000
58		Provision against overruns	9,322

Research fund notes

(1) Invited Participants

According to estimates prior to SC65a this balance will reduce to zero. New budget allocation £64K 2013/14. This is always underfunded so perhaps receive some unallocated monies.

(2) Simulated minke whale line transect data (2012/13)

Daniel Smith. Contract completed and final invoice paid by Sandra in June 13. Balance will reduce to zero.

(3) Standard analysis method

Zero balance.

(4) IDCR/SOWER biopsy and photo ID records database (2010/11)

Work being done by Jessica Taylor and managed by Greg. Monthly invoices being submitted. This money will be fully used up within the next year. Additional funds for related projects under project (38).

(5) Abundance estimates of Antarctic minke whales using SOWER data (2011/12)

Leftover from workshop. To be reallocated to new, related project 'updating & upgrading cruise database' (and see Item (38)).

(6) Intersessional workshop on North Pacific minke whales

Leftover from completed Implementation Review. Some has been used to fund IPs at SC65a. Estimated balance of £18K after all IP deductions to be transferred to the IP budget (see (1) above) and perhaps Antarctic telemetry.

(7) Updated simulations of dispersal for western North Pacific minke whales

Zero balance.

(8) Travel for earplug ageing expert in calibration experiment

Zero balance.

(9) Statistical catch-at-age estimators for Antarctic minke whales (2011/12; 2012/13)

Two contracts for Andre Punt. Both are now complete and we have received invoices for the full amounts. This balance will reduce to zero. New budget allocation £12.5K 2013/14.

(10) Preparatory work for survey coverage issues related to changes in changes in minke whale abundance estimates between CPII and CPIII

Zero balance.

(11) Contract 16. Humpback catalogue

Ongoing project. Waiting for invoice for final payment. Balance will reduce to zero. New budget allocation £10K 2013/14. Contact – Judy Allen.

(12) SH blue whale photo ID (2012/13)

Barbara Galletti. Final invoice paid in June 13. Balance should reduce to zero. New budget allocation £5K 2013/14.

(13) Pollution 2000+

Zero balance.

(14) Scoping meeting for Pollution2000+ workshop

Zero balance.

(15) FAO fisheries statistics

Budget requests over various years to facilitate collaboration with FAO (travel etc.) Allison/Northridge. Some may be used up in the coming year if Northridge contact with FAO requires visit. This work in general is ongoing as part of co-operation with FAO.

(16) Workshop on use of market sampling to estimate bycatch (2004/05)

Funds for 2nd stage workshop that was postponed and the idea has not been reintroduced recently. Suggest that this be reallocated to related work on entanglement.

(17) Estimation of bycatch. Data collection and market pathways (2004/05)

Related to 16 above. Funds for work on bycatch and market sampling. Suggest that this be reallocated to related work on entanglement.

(18) FAO expert consultation on modelling ecosystem interactions (2006/07)

Funds for Butterworth to travel to meeting. He found funding elsewhere so was not needed. Suggest that this be reallocated to an EM IP for SC65b where this topic is being addressed.

(19) Develop web-based system for data entry into ship strikes database (2010/11)

Work now able to be done in house. Suggest that the balance be transferred to project (29).

(20) SOCER

Zero balance. Ongoing project. New budget allocation £4K 2013/14. Contact- Naomi Rose/Michael Stachowitsch.

(21) Development of online submission database for Progress reports (2010/11)

Ongoing in-house work. Mark Tandy/Brendan Miller.

(22) Risk assessment modelling to determine the impact of pollutants on cetacean pollutants (2011/12)

Work due to be completed August 2013, When final invoice due. Balance will reduce to <zero but can be supplemented by money from item (30). New budget allocation £20K 2013/14.

(23) CERD website (2011/12)

Ongoing work. Mark Tandy/Cheryl Rosa. New budget allocation £4K 2013/14.

(24) Pre-meeting: Marine renewables energy developments and cetaceans.

Zero balance.

(25) Marine debris pre-meeting (2012/13)

Funds to hold 2 workshops; 1st now completed. Estimated balance £25K after all deductions for 1st workshop. Additional funds to come from leftover monies under Item (49). Budget will reduce to zero when second workshop held.

(26) AWMP developers fund

Ongoing project. Standing fund (target £15,000) agreed by Commission for AWMP-related work and IPs. Some IP costs for SC65a still to be applied to this budget. Additionally an invoice from Punt for

£2K has been received and a claim for £1,500 from Butterworth expected shortly. New budget allocation 7K 2013/14.

(27) AWMP genetic simulation studies (2006/07)

Funding for sex ratio work for Greenland minke whales. Other funding was found. Balance should have been transferred to (26) above (AWMP developer's fund).

(28) SOWER (including digitisation of acoustic records) (2006/07)

Originally from Austrian VC 2006/07. Money for Chris Clarke; for a variety of reasons it was not possible to do this work at that time but Greg/Clarke/Findlay are now in a position to do this work so the balance will reduce to zero within the next few months.

(29) Ship Strike database coordinator (2012/13)

Funds for Panigada/Ritter. Work is ongoing. June invoices total £3K. Final report due Dec 2013 and invoices for final £500 each. This will reduce balance to zero. New budget allocation £8K 2013/14 [will be topped up to full 10K requested with funds from (19) above].

(30) CCAMLR workshop July 2008 (2007/08)

Leftover funds were initially reserved for publication and thus sponsored publications fund although amount more than required. Suggest transfer £3,256 to (22) above to remove shortfall in budget and transfer the remainder to the 'sponsored publications fund'.

(31) AWMP intersessional workshop

Zero balance.

(32) Workshop on Greenland fisheries

Workshops on this subject are ongoing so funds will be put towards the next one. New budget allocation 8K 2013/14.

(33) Greenland humpback/bowhead modelling (2012/13)

Work done by Andre Punt. Final invoices have now been received and balance will reduce to zero.

(34) JARPN II review workshop (2011/12)

Funds for workshop – when funding given it was unclear exactly when workshop would take place. Somehow this was missed at the meeting. We now know this will be during 2013/14. New budget allocation £25K 2013/14. One option is that some is transferred to Antarctic telemetry project.

(35) Iceland SP review workshop (2012/13)

Leftover from workshop. One possibility is to put this towards project IA-1 (Satellite tagging of Antarctic minke whales, Nick Gales).

(36) Development of additional humpback assessment models

Butterworth has completed the latest instalment of this work and will invoice £3K shortly. Ongoing project. New budget allocation £3K 2013/14.

(37) Antarctic blue whale photo matching (2012/13)

Work completed by Olson and invoice paid in June 2013. Balance will reduce to zero. New budget allocation £5K 2013/14.

(38) IA POWER cruise

Ongoing project. Balance still includes all costs for 2013 cruise due to begin in July 2013 (estimated 62,600). In recent years a number of researchers have been funded by their governments and so costs have been saved against this budget. In addition, £4,000 allocated to Murase for work on 'Distribution of baleen and toothed whales relative to spatial and environmental co-variables'; £4,000 for archiving work on data collected during the cruises; £10,000 for development work to an automatic data collection/recording system to be trialled in 2014 for full use from 2015 onwards; Up to £15,000 to create new combined database (IWC-DESS is now out of date and limited) for all sightings, natural markings, biopsy samples with geo-referencing/mapping system and ability to feed directly into DISTANCE and MARK software. To be developed over the next two years.

(39) SOWER 2008/09 cruise and planning meeting

Zero balance.

(40) WNP gray whale telemetry

Transfer balance to IUCN gray whale tagging fund.

(41) Catch data

Ongoing project. Funds for Cherry to use in work on Soviet catch data. Originally from a VC.

(42) RMP intersessional (Bryde's whales) (2006/07)

Funds leftover from Implementation. Transfer balance to (47) (computing support for Implementations) to allow complete rerunning of all trials using the new software.

(43) Audit NP Bryde's whale survey data (2007/08)

Funds have been recently used for Calambokidis gray whale project, so balance will reduce to zero.

(44) Review & guidelines for line transect abundance estimates (2012/13)

Sharon Hedley was unable to commit to doing this work in 2012/13, but she will be doing it in 2013/14 and balance will reduce to zero

(45) Investigate anomalies. Allozyme and DNA based analysis results

Zero balance.

(46) Workshop to review MSY rates

Leftover from a series of workshops in recent years.

(47) Computing support for Implementations

Funds for Cherry to work with the Butterworth Group as needed to ensure all computing work completed for AWMP/RMP/NPM Implementations. Also covers travel to workshops and meetings. Claim for £17K expected shortly. New budget allocation of £4K 2013/14. Can be supplemented with money from (42)

(48) Southern Ocean right whale photo-ID catalogue

Zero balance.

(49) Southern right whale assessment workshop (2011/12)

Funds leftover from workshop Sep 2011. Transfer balance to (25) (Second Marine debris workshop).

(50) Pacific-wide study on population structure and movement patterns

Urban-Ramirez. Final invoice now paid. Balance will reduce to zero.

(51) Right whale survey

Peter Best. Final invoice now paid. Balance will reduce to zero.

(52) Data & guidelines for genetic data quality control (2011/12)

Leftover from workshop. These funds were used for Calambokidis gray whale project, so balance will reduce to zero.

(53) TOSSM project

Leftover from various projects over the years. These funds were used for Calambokidis gray whale project, so balance will reduce to zero.

(54) LaWE steering group meeting

Leftover from workshop. These funds were used for Calambokidis gray whale project, so balance should reduce to zero.

(55) Data compilation and power analyses for the LaWE

Zero balance.

(56) Guidelines and training in Oman

Zero balance.

(57) JCRM SOWER publication fund.

Funds allocated to publication of commemorative SOWER volume including contracted analyses where necessary

(58) Provision against overruns

Funds can be transferred into this 'pot' instead of being reallocated to other projects. Traditionally this is kept at around 5-10% of annual research budget.