

DARWIN INITIATIVE PROJECT SCHEDULE ref:162/08/251

Organisation name : Centre for Coastal and Marine Sciences Plymouth Marine Laboratory with institutes from Ukraine (Institute of Biology of the Southern Seas and the Marine Hydrophysical Institute), Panama (Smithsonian Tropical Research Institute) and Kenya Marine and Fisheries Research Institute.

Name of project : Plankton biodiversity and biovariability in the Indian and Atlantic Oceans

Project purpose : To understand, quantify and compile changes of biodiversity in marine ecosystems

Project objectives : to set up co-operation between the 5 institutes to rescue and compile oceanographic data sets and release them on CD ROM; to focus international attention on the biodiversity and biovariability of the tropical zones of the world's oceans; to provide assistance to the institutes which lack financial and/or expertise resources; to provide training in the UK for scientists from the institutes; to improve the information base at the genus and species levels and to focus on providing archival data for further analysis where it may have wider impact; to develop new tools for presentation, analysis and dissemination.

Length of project : April 1999 for 3 years

Total project cost : £351,000

Darwin funding profile : 1999/2000 £53,684; 2000/2001 £54,284; 2001/2002 £53,024

Other sources of funding : From the five institutes a total of £190,008

Expenditure profile : see Table A

Target outputs : see Table B

Implementation timetable with milestones : see Table C

Key staff inputs : see Table D

| | | |
|---------------------------------|-----------------|------------------------------------------|
| Reporting requirements : | 31 October 1999 | First report (1.4.1999 to 30.9.1999) |
| | 30 April 2000 | Annual report (1.4.1999 to 31.3.2000) |
| | 31 October 2000 | Six month report (1.4.2000 to 30.9.2000) |
| | 30 April 2001 | Annual report (1.4.2000 to 31.3.2001) |
| | 31 October 2001 | Six month report (1.4.2001 to 30.9.2001) |
| | 30 April 2002 | Annual report (1.4.2001 to 31.3.2002) |
| | 30 June 2002 | Final report. |

Arrangements for monitoring trainee outcomes : Drs Mishonov and Piontkovski (from MHI and IBSS and not strictly trainees) work will be directly monitored by Mr Williams at PML and Sevastopol (eg. By working in the same room). Mr Williams will also monitor the visits of Mr Osore from Kenya and Mrs Andruchenko from Sevastopol. During these visits he will train the visitors in CD-ROM and WWW work, plan future work and requirements for prospective publications. These publications will continue well after the end of the grant period and are one of the main tasks of the project.

During the grant period Dr Piontkovski will organise the work and monitor outputs from the Ukrainian colleagues during his visits to Sevastopol and periodically bring or transfer data over to UK.

Dr Piontkovski will visit KMFRI(Kenya) in autumn 1999 to arrange the data digitising and prepare Mr Osore's visit in 2000. We shall be in weekly contact with all colleagues through our e-mail network and will prepare all visitors in advance. Dr Piontkovski has already spent time in Panama working with Dr L D'Croz and has already completed the ground work for this project. Our contact with Dr L D'Croz will be in Conference attendance when we present joint publications and will have the time for progress reports.

Our main objective throughout this project is to disseminate data in the form of a CD-ROM and joint publications. The very nature of this work means that we shall be in close correspondence throughout the period of this project and outputs will be carefully monitored.

Table A

| PROJECT COST | | | | |
|-------------------------------------------|------------------|----------------|----------------|--------------|
| Total Darwin Grant : £160,992 | | | | |
| Annual Darwin Grant | | | | |
| ↳ | 1999/2000 | £53,684 | | |
| ↳ | 2000/2001 | £54,284 | | |
| ↳ | 2001/2002 | £53,024 | | |
| DARWIN GRANT : EXPENDITURE DETAILS | | | | |
| Expenditure details | 1999/2000 | 2000/01 | 2001/02 | Total |
| Rents, rates, heating, lighting, cleaning | | | | |
| Postage, telephone, stationery | | | | |
| Travel, subsistence | | | | |
| Printing | | | | |
| Conferences, seminars, training | | | | |
| Capital items: specify | | | | |
| Other: specify | | | | |
| Salaries | | | | |

Table B

| PROJECT OUTPUTS | | |
|------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Year | Output ref. no. | Details |
| 1999/2000 | | |
| April | 15A | newspaper interviews (1 Ukraine), (1 Kenya), (1 Panama), (1 UK, Plymouth), |
| | 15D | TV broadcasts (1 Ukraine), (1 Kenya), (1 Panama), (1 UK, Plymouth), |
| | 18D | Radio broadcasts (1 UK, Plymouth), (1 Ukraine, Sevastopol), (1 Kenya), |
| | 18C | (1 Panama) |
| | 19D | 1 interview proposed |
| Autumn | 6A/B | S.A.Piontkovski to spend 10 days in KMFRI to discuss data selection, digitising etc. |
| 2000/2001 | | |
| | 6A/B | M. Osore (KMFRI) to visit PML summer 2000 for training (10 days) in CD-ROM and WWW work and discussion of publications |
| | 6A/B | E Andruchenko to visit PML autumn 2000 for training (10 days) in CD-ROM and WWW work |
| 2001/2002 | | |
| March | 5 | A Mishonov and S.A. Piontkovsky from MHI & IBSS will spend up to 2 years at CCMS, collating, working on data, CD ROM and publications etc |
| | 17A | Established data dissemination network between UK, Ukraine, Kenya and Panama. Full e-mail and file transfer arrangements have been made between all participating Institutes |
| | 17B | Enhanced data dissemination network between UK and Ukraine |
| | 20 | Transfer of capital equipment to host countries (£4,000) 1 Laptop and 1 PC/printer to be purchased for Sevastopol. These will be either transferred to Ukraine or the PC will be purchased in Ukraine. PML through NASA and ONR grants have previously made these arrangements successfully. PML Finance section has also successfully transferred funds to Ukraine over the last 3 years. It is our intention to transfer a PC to Kenya. |
| | 23 | Matching funding received from institutes totalling £190,008. A large percentage of matching funds are given as overheads and salary inputs from Panama and UK. |
| March | 19D | 1 interview proposed |

Table C

| PROJECT IMPLEMENTATION TIMETABLE | |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Date | Key milestones |
| 1999/2000 | |
| April | Start selection of archive data |
| October | Start transferring data to computer based format |
| January | Complete selection of archive data |
| 2000/2001 | |
| May | Complete transferring data to computer based format Start construction of data inventories and database on CD ROM |
| June | Start preparation of publications |
| January | Complete construction of data inventories and database on CD ROM |
| February | Start design and development of the web site and tools for online data dissemination |
| 2001/2002 | |
| September | Complete design and development of the web site and tools for online data dissemination |
| March | Complete preparation of publications Complete dissemination of data on CD ROMS and through the WWW |

Table D

| KEY STAFF INPUTS | | | |
|--------------------------------------------------------------|-----------------------|------------------|------------------|
| Name | Grade/Position | | |
| R Williams | Research Fellow | | |
| S A Piontkovski | Visiting scientist | | |
| A V Mishonov | Visiting scientist | | |
| <u>Ukraine (IBSS) S A Piontkovski</u> | | | |
| Yu. Tokarev | Deputy Director | | |
| B Sokolov | Leading engineer | | |
| G. Piontkovskaya | Scientist | | |
| E Popova | Engineer | | |
| A Kovalev | Chief of Dept. | | |
| O Cherepanov | Scientist | | |
| T Melnik | Scientist | | |
| A Boltachev | Senior scientist | | |
| V Nikolsky | Scientist | | |
| <u>Ukraine (MHI) A V Mishonov</u> | | | |
| V Vladimirov | Senior scientist | | |
| V Miroshnichenko | Leading engineer | | |
| L. Galkovskaya | Scientist | | |
| E Andruchenko | Scientist | | |
| <u>Panama</u> | | | |
| L D' Croz | Staff scientist | | |
| A.N. Other | Technician | | |
| <u>Kenya</u> | | | |
| E Okemwa | Director | | |
| M Osore | Scientist | | |
| STAFF TIME ALLOCATIONS (% of time spent on this work) | | | |
| Name | 1999/2000 | 2000/2001 | 2001/2002 |
| R Williams | 50 | 50 | 50 |
| S A Piontkovski | 78 | 78 | 78 |
| A V Mishonov | 50 | 100 | 100 |
| Yu. Tokarev | 40 | 40 | |
| B Sokolov | 60 | 60 | |
| G. Piontkovskaya | 60 | 60 | |
| E Popova | 60 | 60 | |
| A Kovalev | 50 | 50 | |
| O Cherepanov | 60 | 60 | |
| T Melnik | 60 | 60 | |
| A Boltachev | 60 | 60 | |
| V Nikolsky | 60 | 60 | |
| V Vladimirov | 40 | 40 | |
| V Miroshnichenko | 60 | 60 | |
| G. Galkovskaya | 60 | 60 | |
| E Andruchenko | 60 | 60 | |
| L D' Croz | 50 | 50 | 50 |
| A.N. Other | 100 | 100 | |
| E Okemwa | 20 | 20 | 20 |
| M Osore | 80 | 80 | 80 |