

Curriculum Vitae of Beatriz Balino

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PROFILE

Academic research adviser and manager with twenty eight years of experience in multidisciplinary scientific programmes and research institutions, on marine, climate and global environmental research at the national and international level. Strong team player working effectively with directors, executive committees, research groups and administrative staff. Demonstrated skills in setting up and/or leading secretariats to service extensive scientific communities worldwide. Successful history in fundraising and coaching for research grant preparations. Extensive experience in liaising and forging of communication channels among partners worldwide. Mentor in research administration, coordination and management. Expertise in organisation of large scientific meetings and conferences. Skilled secretary to boards, scientific committees and working groups. Proficiency in communication to scientific communities, stakeholders and the general public. Broad outreach, editorial and language skills.

SUMMARY OF SKILLS AND CAPABILITIES

RESEARCH AND EDUCATION

Academic research: marine biology and fjord ecology; theoretical studies of phytoplankton dynamics and ecosystem modelling; sea ranching of cod. Industrial research: Development of novel methodologies in aquaculture. Research consultancy: design and provision of case studies for the strategic planning to combat coastal marine pollution. Lecturer of undergraduate and graduate courses in biological oceanography and marine pollution.

SCIENCE STRATEGY AND POLICY, RESEARCH MANAGEMENT AND FUND RAISING

Administration of inter- and multidisciplinary international projects and research programmes integrating disciplines in natural and social sciences, medicine and law. Broad experience in elaborating science strategies and implementation plans, hearings and overviews. Initiation and follow-up of activities. Collation of information on national and regional programmes. Forging of communication channels among scientists worldwide.

Adviser to academic boards, deans and head of departments on research strategic plans, research training and policy issues. Held positions as deputy director, head of office and administration at secretariats staffed with up to 30 people to service research communities between 200 and 1000 scientists worldwide. Experienced in budget management of up to 4 mill €. Experienced in fund raising from the Research Council of Norway, the European Commission, NordForsk and the National Science Foundation. Coordination of input to work programmes and grant calls. Mobilisation and coaching of scientists during grant preparations. Experience in scientific project management and monitoring.

Organisation of seminars, workshops and international conferences of up to 1400 participants. Preparation of meeting's agendas and protocols to steering boards, scientific committees, etc.

NATIONAL AND INTERNATIONAL ENGAGEMENT

Member of national and international committees, expert and discussion groups with duties in inter-project strategy planning and implementation of activities. Extensive network building up experience and promotion of international collaboration among research institutions and agencies worldwide. Experience as convener, session chair, moderator and rapporteur at international science meetings.

OUTREACH, EDITORIAL AND LANGUAGE SKILLS

Editor of scientific reports, policy briefs and design of promotional material and articles in newsletters. Presentations at international science meetings and academic conferences Experience in web editorial work. Fluent in English, Norwegian and Spanish.

EDUCATION

Graduate:	<u>University of Bergen (UiB)</u> , Department of Marine Biology
1991-1996	Dr. scient in Marine biology PhD dissertation: Eutrophication of the North Sea: 1980-1990: an evaluation of anthropogenic nutrient inputs using a 2D phytoplankton production model Cand. scient in Marine biology.
1987-1990	Thesis: Migration of the sound scattering layers in Masfjorden
Undergraduate:	<u>Universidad de la Republica, Uruguay</u> , Facultad de Humanidades & Ciencias
1978-1982	BSc in Biological Oceanography. Thesis: Larval biology of Cirripeida in Bahia de Maldonado, Uruguay
Graduate courses	
1984	Pelagic ecology: current problems and perspectives in research. Pontificia Universidad Catolica de Chile, sede regional Talcahuano, Chile.
1983	Littoral Marine Biology. Laboratorio de Zoologia de la Universidad Austral de Chile, Mehuin, Chile.
1982	Tropical Marine Invertebrates. Bermuda Biological Station for Research, Bermuda.

Formal training in leadership, research management and administration

Leadership 2011-2015	<ul style="list-style-type: none"> Managing and motivating teams MM105. International training course, Karlsruhe Institute of Technology, Germany (2 days) Appraisal interviews, UiB (2 days) Development Program in Leadership, UiB (10 days)
Project management 2004-2010	<ul style="list-style-type: none"> International Project Management, EARMA training M320-6, Karlsruhe, Germany English for working with EU projects, UiB
Finance and accounting 2011-2013	<ul style="list-style-type: none"> Finance management systems for controller: BASWARE IP & PM, Discoverer Plus, PAGAWEB, ADI. Division of financial services, UiB Electronic archives (e-Phorte). Division for financial services, UiB
Research administration 2009-2010	<ul style="list-style-type: none"> Nordic association of University Administrators, Oslo, Norway EARMA, Copenhagen Gender in EU funded research, Workshop. EU's Directorate General for Research, 2009
Fund rising 2002-2014	<ul style="list-style-type: none"> Preparing for Horizons 2020, Hyperion Ltd. Training Courses How to negotiate, manage and administer contracts under FP5, FP6 and FP7. Hyperion Ltd. Training Courses How to write competitive proposals and technological implementation plans. Hyperion Ltd. Training Courses
Science communication 2009	Seminar on science communication(1 day), Division of Communications, UiB

EMPLOYMENT HISTORY

2024- present	Senior Adviser, Faculty of Mathematics and Natural Sciences, UiB
2022-2023	Scientific Officer. Secretariat of the World Climate Research Programme, Switzerland.
2020-2022	Executive Director. International Project Office of Climate & Cryosphere Project of WCRP, c/o Bjerknes Centre for Climate Research, Norway
2019-2021	Regional Science Coordinator. Coordination Office of the World Climate Research Programme Regional Activities, c/o Bjerknes Centre for Climate Research, Norway
2018-2019	National Coordinator. Norwegian Marine University Consortium, UiB
2016-2018	Deputy Director. Division of Research Administration, UiB
2012-2016	Head of Administration. Bjerknes Centre for Climate Research & Centre for Climate Dynamics, UiB
2009-2011	Science Coordinator. Geophysical Institute, UiB
2007-2009	Senior Adviser. Division of Research Management, UiB
2006-2007	Deputy Director. Secretariat of the International Geosphere-Biosphere Programme, Stockholm, Sweden
2001-2006	Science Coordinator. Bjerknes Centre for Climate Research, Norway
1996-2001	Assistant Executive Officer. International Project Office of the Joint Global Ocean Flux Study, University of Bergen (UiB), Norway
1994-1996	Research Fellow. Institute of Fisheries and Marine Biology, UiB, Norway
1994	Research Consultant at: (i) Norwegian Authority for Pollution Control (SFT), and (ii) Ocean Surveyance and Monitoring Center (HOV Center), Norway
1991-1994	Research Fellow. IBM Bergen Environmental Center, Norway
1989-1990	Research fellow. AS MOWI Norwegian Salmon, Norway

WORK EXPERIENCE

FACULTY OF MATHEMATICS AND NATURAL SCIENCES, UNIVERSITY OF BERGEN

Period: January 2024- present (100% FTE)

Position: Senior Adviser

Responsibilities and duties:

- I. Assistant to the Vice-Dean for marine research in the project *Application to the Knowledge and Innovation Community "Water, Marine and Maritime ecosystems" (KIC WMM)*
- II. Member of the KIC WMM's NTNU-UiB Task Team
- III. Liaison and coordination of partners in the Bergen region

WORLD CLIMATE RESEARCH PROGRAMME (WCRP) SECRETARIAT

c/o Bjerknes Centre for Climate Research, Norway

Period: January-December 2022 (50% FTE); January-December 2023 (100% FTE)

Position: Scientific Officer

Responsibilities and duties:

- IV. Assistance to the implementation of WCRP Strategic Plan 2019-2028
- V. Coordination of the WCRP Academy and the Lighthouse Activity *My Climate Risk*
- VI. Coordination of the WCRP Regional Climate Forums in the Americas, Europe, Asia and Oceania.
- VII. Member of the organizing committee of the WCRP Open Science Conference in Kigali, Rwanda

INTERNATIONAL OFFICE OF THE CLIMATE & CRYOSPHERE (CliC) PROJECT OF WCRP

c/o Bjerknes Centre for Climate Research, Norway

Period: September 2020-December 2022 (50% FTE)

Position: Executive Director

Responsibilities and duties:

- I. To support the planning and implementation of CliC, cryosphere-related activities of the WCRP, and relevant research activities on cryosphere and climate, as required.
- II. To support the work of CliC Scientific Steering Committee (SSC) and its co-Chairs
- III. To initiate international correspondence and carry out international liaisons at the working level, as required for the development and implementation of CliC observational, modelling, data management systems, education and outreach, ensuring the widest possible participation of all interested nations in the CliC project.
- IV. To identify and solicit commitment of resources and logistical support from all possible sources to the CliC Project, and the coordination of their use, as required, for achieving the goals and objectives of CliC.
- V. To ensure the timely flow of operational and other relevant information to the CliC SSG, CliC activities, national agencies, appropriate international bodies, and CliC and the climate science communities.
- VI. To assist in planning, organising and conducting CliC meetings, workshops and conferences as required.
- VII. To support the preparation and distribution of the working plans and documents required for the implementation of CliC, and to inform the broad scientific community of CliC activities.
- VIII. To maintain CliC documentation and prepare reports of CliC related meetings and events as required.
- IX. To develop and maintain tools for communication through a website and other means as needed (including social media channels).
- X. To prepare annual reports on CIPO activities.
- XI. To liaise with the WCRP Secretariat in order to ensure the timely handling of issues relevant to the CliC project.
- XII. To carry out other related duties as may be required for the CliC Project and the WCRP.

WCRP COORDINATION OFFICE OF REGIONAL ACTIVITIES - CORA

c/o Bjerknes Centre for Climate Research, Norway

Period: February 2019-August 2020 (100% FTE); September 2020-December 2021 (50% FTE)

Position: Science Coordinator

Responsibilities and duties:

- i. Promote and coordinate WCRP's Core Projects and Grand Challenges in line with WCRP Strategic Plan 2019-2028
- ii. Contribute to synergy and integration between the various regional activities and WCRP's Core Projects
- iii. Highlight opportunities, resources, and partnerships that can help promote regional climate research within the WCRP
- iv. Contribute to the dissemination of WCRP's activities through brochures and online media
- v. Schedule and organize science-specific meetings and courses conducted by WCRP
- vi. Report on plans and progress at annual meetings
- vii. Contribute to synergy and integration between WCRP and BCCR

NORWEGIAN MARINE UNIVERSITY CONSORTIUM (NMU), UNIVERSITY OF BERGEN, NORWAY

Period: March 2018-February 2019 (100% FTE)

Position: National Coordinator

Responsibilities and duties:

- i. Contribute to the implementation and development of the consortium. Promote and facilitate cooperation among members within the fields of research, education and research infrastructure
- ii. Establish channels of communication to ensure optimal interactions among scientists and research groups from the consortium
- iii. Support and assistance to the leader of the board; secretary to the General Assembly
- iv. Coordination and support of ad-hoc committees assigned by the board
- v. Consortium's representative to the European Marine Board (EMB)
- vi. Member of EMB's University Consortium Panel
- vii. Arrangement of meetings, workshops, seminars and events

DIVISION OF RESEARCH ADMINISTRATION, UNIVERSITY OF BERGEN, NORWAY

Period: May 2016-February 2018 (100% FTE)

Position: Vice-director

Responsibilities and duties:

- i. Head of section for external funding and legal issues. Plan and oversee activities and routines regarding pre-and post grant awards to major funding sources (EU, Research Council of Norway, Bergen Research Foundation): mobilisation, support to research grant preparations including budgeting, contract negotiations, commercialisation and intellectual property rights. Coordination with UiB's office in Brussels. Staff: 14 persons/13,2 person-years.
- ii. Leader of UiB's External Funding Task Team. The team is an interdisciplinary, professional administrative group in support of the preparation and management of large, complex research proposals and projects. It is composed of personell from the divisions of research administration, finances, HR, and communications, the university library and the Centre for studies of the sciences and humanities; in total 35 persons/28,5 person-years. Oversee the coordination of administrative support regarding externally funded projects and establishing channels of communication across faculties, departments and scientists.
- iii. Science strategy. Advise and assistance to the rectorate and the University board regarding the implementation of UiB's strategic priority areas and external funding issues with focus on the university's participation in EU framework programmes.

- iv. Communications: Responsible for the promotion of UiB's Research through the web and social media, in cooperation with the Communications division.

BJERKNES CENTRE FOR CLIMATE RESEARCH/ CENTRE FOR CLIMATE DYNAMICS, , NORWAY

Period: January 2012- April 2016 (100% FTE)

Position: Head of administration

Responsibilities and duties:

- i. Science strategy and governance: Assistance to the director and the leader group in the planning and implementation of the scientific vision, strategy, research activities and governance of the Centre.
- i. Research management: Responsible, together with the Director, of the scientific and financial reporting to the Centre's board, the University Board and the Ministry of Education and Research. Liaison with scientific staff affiliated from partner institutions: about 200 academics among researchers, postdocs and PhD students. Assistance in fund rising by supporting grant proposal preparations. Responsible for the Research Fellow Visiting Programme and Fast-Track Initiatives. Forging of communication channels with national and international partners.
- ii. Finances: Responsible, together with the Director, of the oversight of the Centre's finances, including budgeting and financial control of the grant from the Ministry of Research and Education (30 mill NOK/ 4 mill €, as of 2016).
- iii. Administration: Responsible for establishing and staffing a secretariat with personnel in finances, communication and secretarial duties/reception roles. Day-to-day running of the secretariat; design and implementation of administrative routines. Liaison with the administrations from partner institutions on personnel, finances and outreach issues. Secretary to the leader group and the steering board. Reports to the Director.
- iv. Policy: Assistance to the leadership in the delivery of policy and management advice to the University of Bergen (faculty, rectorate), policy makers and stakeholders
- v. Outreach: Representation duties at senior level with stakeholders. Editorial work of reports, scientific and popular presentations, and promotional material (brochures, posters),

GEOPHYSICAL INSTITUTE, UNIVERSITY OF BERGEN, NORWAY

Period: August 2009 – December 2011 (100% FTE)

Position: Science Coordinator

Responsibilities and duties:

- i. Scientific strategy: Organisation and implementation of the research activities of the Bjerknes Centre-UiB. Strengthen and oversee UiB's climate research by promotion and coordination of activities across faculties, and with regional partners. Development of plans for the strategic programme and organisation of the new Centre for Climate Dynamics at the Bjerknes Centre (SKD) at the UiB
- ii. Research management: Leader of the research management group at GFI: design and implementation of routines for administration of the life cycle of externally funded projects (proposal preparations, contract negotiations, project management). Information service to the scientists on research funds and calls for proposals. Fund rising.
- v. Research training and education: Project manager of the Norwegian Research School in Climate Dynamics (ResClim). Coordination and implementation of activities with the school's partner institutions in Bergen (UiB, Nansen Center, Institute of Marine Research), Oslo (UOslo,

CICERO, Norwegian Institute for Air Research), and Tromsø (UTromsø, UNIS, Norwegian Polar Institute)

- vi. Networking: Strengthening of existing, and forging of new, contacts with research institutions in Norway (e.g. Center for Ice, Climate and Ecosystems, and Fram Centre; government's strategic plans in the High North), North America (USA and Canada), Asia (Vietnam, Bangladesh, China, India), Africa (Sudan, Mosambique, Ethiopia, South Africa), and Latin America (Brazil, Chile, Argentina)
- vii. Administration and outreach: Establishment of research management routines. Secretary to the boards of the: Bjerknes-UIB and the Centre for Climate Dynamics. Secretary to the steering group of ResClim. Editor of GFI's promotional material (newsletter, web, presentations). Organisation of international meetings

DEPARTMENT OF RESEARCH MANAGEMENT, UNIVERSITY OF BERGEN, NORWAY

Period: March 2007 - July 2009 (100% FTE)

Position: Senior Adviser for Marine Research

Responsibilities and duties:

- (i) Advisor to the board, deans and heads of department on strategic plans for marine research and PhD training at the University of Bergen, as well as policy issues related to marine research. Preparation of implementation plans for strategic cooperation on research and education with science communities in Europe and North America. Preparation of policy documents regarding national and international hearings on marine and maritime research and infrastructures and education
- (ii) Research promotion and coordination: facilitation of interdisciplinary and interfaculty marine research within UiB by liaising with scientific groups at the departments of biology, geophysics, geology, chemistry, mathematics, physics and informatics, as well as those performing marine related research the faculties of Medicine, Law and Social sciences. Implementation of UiB's working group on the High North. Strengthening of the cooperation between UiB and partner institutions in the Bergen region through the partnership Bergen Marine Research Cluster.
- (iii) Internationalisation: preparation of implementation plans for international cooperation (Svalbard, polar research, maritime research); Contribution to national initiatives on cooperation agreements to increase research cooperation with priority countries in Asia, Africa and Latin America. UiB's contact point in the networks: Marine Board of the European Science Foundation, Konsortium Deutsche Meereforschung and Marine European Network for Training of Researchers (MENTOR)
- (iv) Administration and outreach: Secretary to the (i) Marine Board of UiB, (ii) UiB's working group on the High North (iii); board and leader group of the Bergen Marine Research Cluster. Promotion of UiB's marine research portfolio.

INTERNATIONAL GEOSPHERE-BIOSPHERE PROGRAMME (IGBP) SECRETARIAT, STOCKHOLM, SWEDEN

Period: March 2006 – February 2007 (100% FTE)

Position: Deputy Director, Natural Sciences

Responsibilities and duties:

- (i) Scientific liaison: Primary point of contact between the Secretariat and the following IGBP Projects: Integrated Marine Biogeochemistry and Environmental Research (IMBER), the Global Ocean Ecosystems Dynamics (GLOBEC), and the Surface Ocean-Lower Atmosphere Study (SOLAS), through liaison with the respective Scientific Steering Committees and International Project Offices, encompassing a total scientific community of about 8 000 scientists. Preparation of relevant meeting papers, and routine briefings to the Secretariat on the scientific and organisation progress of these projects. Responsible for IGBP Fast-Track Initiatives (launch, follow up and reporting). Liaison with the IGBP project Land Ocean Interactions with the Coastal Zone (LOICZ) together with the deputy director on social sciences. Contact point for the partner organisations: Scientific Committee on Oceanic Research (SCOR) and the Intergovernmental Oceanographic Commission (IOC). Contribution to the scientific integration of IGBP by identifying and linking activities among the scientific community, and the provision of scientific documents and reports from the Secretariat. Assistance in the scientific integration of the Earth System Science Partnership (ESSP, www.essp.org) a joint venture between IGBP, the World Climate Research Programme (WCRP), the International Human Dimensions Programme (IHDP) and DIVERSITAS.
- (ii) Outreach activities: Contribute to the communications efforts of the IGBP Secretariat (media, publications, science highlights, website, presentations, annual reports) in collaboration with the other Secretariat staff and the network.
- (iii) Administration: Assist with planning and preparation of key IGBP meetings (Scientific Committee, Officers, Congress, IPO) and travel to meetings. Assist in the annual reporting of IGBP activities to National Committees, funding agencies and sponsors. Oversee the secretariat's budget of 2 mill €.

BJEKNES CENTRE FOR CLIMATE RESEARCH (BCCR), Bergen, Norway

Period: February 2001 - February 2006 (100% FTE)

Position: Science coordinator

Responsibilities and duties:

- (i) Research Management: Assistance to the director and the research leaders in the development of the Centre's scientific strategy. Management and reporting of research projects financed by the Research Council of Norway and the European Commission; EU's Framework Programmes issues (policy documents, guidelines, calls, contracts, etc). Implementation of a communication channel across the Centre's active partners and collaboration agencies. Fund raising: Advise and assistance in proposal writing targeted to national and international funding agencies. Secretary to the Boards and the leader forum.
- (ii) National and International engagement: Forging and expanding Bjerknes institutional collaboration on climate research at the national level (e.g Meteorological Institute, Norwegian Institute on Air Research, National Institute for Geohazards, SINTEF, Norwegian Geological Survey, National Institute on Geohazards, Norwegian Polar Institute, Universities of Oslo and Tromsø and University Center in Svalbard). Assistance to Bjerknes scientists involved in international research programmes and assessment activities on issues of climate change under the auspices of World Climate Research Programme (e.g. CLIC, ACSYS, CLIVAR), International Geosphere-Biosphere Programme (e.g. PAGES/IMAGES, SOLAS, GLOBEC, IMBER), the European Commission's framework programmes; Intergovernmental organisations/fora and NGOS: Arctic Council (AMAP/ACIA); Intergovernmental Oceanographic Commission (GOOS, CO2 panel) and Intergovernmental Panel on Climate Change; the International Arctic Science Committee and the Arctic Ocean Science Board; the Scientific Committee on Oceanographic

Research, and the International Polar Year. Working participation at international science meetings and conferences on behalf of the Centre as co-organiser, session chair/moderator and rapporteur.

- (iii) Outreach activities and editorial work: Representation activities towards the scientific community, stakeholders and general public on behalf of the director both in Norway and abroad (Balino 2005, Balino & Østerhus 2004; Balino 2003, 2002a,b; Balino & Jansen 2001; Balino & Haugan 2001). Design and production of promotion material (brochures, posters, announcements, graphics, powerpoint presentations; exhibitions). Chief editor of the BCCR's annual report (Balino & Jansen 2003, 2004, 2005). Liaison with the media; webmaster of the BCCR's homepage.
- (iv) Administration: day-to-day operation of the BCCR Secretariat; meeting minutes, implementation and maintenance of the project's database; project contracts; organisation of scientific national and international meetings, seminars and conferences (logistics and budget).

JGOFS INTERNATIONAL PROJECT OFFICE (IPO), BERGEN, NORWAY

Period: June 1996 - January 2001 (100% FTE)

Position: Assistant Executive Officer

Responsibilities and duties:

- (i) Data Management. Assistant to the Data Management Task Team: implementation and maintenance at JGOFS IPO web site of inventories on national research and field activities, metadata, datasets and electronic publications; served as a communication channel and co-ordination of data management activities at the national level. Liaison between scientists and data managers. Participation in meetings and conferences with presentations (Report: Lowry & Balino 1999; Posters and communications: Balino & Lowry 1997a,b; Lowry & Balino 1997; Conkright et al. 2000).
- (ii) International engagement: Appointed JGOFS data co-ordinator at the Data and Information Services (DIS) a framework activity of IGBP. Member of (i) DIS Steering Group, (ii) working group for the development of an inter-core project communication strategy in IGBP, and (iii) IGBP's webmaster expert group. Engaged in the DIF voting committee of the Global Change Master Directory at NOAA and discussion group on data exchange issues at the Partnership for Observation of the Global Oceans (POGO). Experience in chairing sessions and working groups at international meetings.
- (iii) Communication and editorial work. Editor of the JGOFS Series Report. Referee review experience of research articles. Editor of material for the promotion of JGOFS (Fasham et al. 2001, articles in newsletters: Balino 1998; Balino 1999; Balino & Lowry 1999; Hanson et al. 1999; brochures). Layout and production of graphical material for posters, brochures and presentations for JGOFS and IGBP. Participation in international meetings, workshop and conferences with presentations. Design, implementation and maintenance of the JGOFS international homepage.
- (iv) Administration. Deputy to the Executive Officer. Assistance in the daily operation of the IPO under the direction of Executive Committee. Organisation of meetings, workshops and conferences; meeting minutes. Raising funds for JGOFS related activities. Oversee the secretariat's budget of 0,5 mill €.

DEPARTMENT OF FISHERIES AND MARINE BIOLOGY, UNIVERSITY OF BERGEN, NORWAY

Period: December 1994 - May 1996 (100% FTE)

Position: Research Scientist

Responsibilities and duties:

Principal investigator in the research project "Biological modelling of sea ranching of Cod". Evaluation of the ecological impact of sea ranching in Norwegian fjords. In charge of improvements in the model code and further development of the biological sub-modules and analysis of results. Scientific article: Salvanes & Balino 1998; Communication: Balino 1995.

INSTITUTE OF MOLECULAR BIOLOGY, UNIVERSITY OF BERGEN, NORWAY

Period: 1994-1995

Activity: Invited lecturer, graduate course BFM 260 Marine Pollution. Topic: Marine eutrophication

NORWEGIAN AUTHORITY FOR POLLUTION CONTROL (SFT), NORWAY

Period: August - September 1994 (100% FTE)

Position: Research consultant

Task: Provision of case studies for the transport of pollutants in the North Sea by using a numerical model. Study commended by SFT as part of Norway's contribution to the 1994 Ministry Conference of the North Sea, for the development of a new strategy to reduce eutrophication in the North Sea.

Report: Balino 1994.

OCEAN MONITORING AND FORECASTING CENTER (HOV), NORWAY

Period: October-November 1994 (100% FTE)

Position: Research and administrative assistant

Tasks:

- i. Test runs of a chemical-biological transport model in the North Sea; acquisition and implementation of nutrient river data for the model. Reports: Balino 1993; Grong & Balino 1994, Martinsen et al. 1992.
- ii. Maintenance of a database on occurrences of toxic algae; organisation of meetings and preparation of meeting minutes.

IBM BERGEN ENVIRONMENTAL CENTER, BERGEN, NORWAY

Period: May 1991 - April 1994 (100% FTE)

Position: Research fellow

Responsibilities and duties: conducted research for the fulfilment of the Dr. degree. Implementation of a 2D physical-biological coupled model to evaluate the role of natural variability and human impact related to the eutrophication in the area.

PhD dissertation: Eutrophication of the North Sea: 1980-1990: an evaluation of anthropogenic nutrient inputs using a 2D phytoplankton production model, 284 pp, 1996

Scientific article: Aksnes et al. 1995. Poster/communication: Balino 1995, 1997

AS MOWI NORWEGIAN SALMON, MARINE DIVISION, TVEITEVÅG, NORWAY

Period: January 1989 - December 1990 (100% FTE)

Position: Research Scientist

Responsibilities and duties: Development of new methods for the rearing of marine fish larvae: (i) monitoring the composition and dynamics of zooplankton during the startfeeding of Turbot (*Scophthalmus maximus*) larvae; growth, survivorship and diet of turbot larvae. (ii) egg and yolk-sac incubation, startfeeding and fry production of Halibut (*Hippoglossus hippoglossus*); (iii) experimental

use of live feeds for marine fish larvae (natural zooplankton vs. Artemia), (iv) transfer of know-how to Norsk Hydro's turbot fry rearing plant in Galicia, Spain.

Reports: Balino & Hamre 1988; Balino 1989, Hamre et al. 1989; Balino et al. 1990.

Communications: Balino 1988, 1989.

DEPARTMENT OF MARINE BIOLOGY, UNIVERSITY OF BERGEN, NORWAY

Period: 1987-1989

Position: Research assistant

Tasks: Study of sound scattering layers and zooplankton dynamics in Masfjorden. Part of the research project "Sea ranching in Masfjorden". Research towards the Cand. scient degree.

Scientific articles: Balino & Aksnes 1993; Giske et al. 1990.

DEPARTMENT OF LIMNOLOGY AND OCEANOGRAPHY, U DE LA REPUBLICA, URUGUAY

Period: 1982-1984

Position: Research Assistant

Responsibilities and tasks:

- i. Participation in the project: ECOMA (Coastal Ecology of Maldonado). Work related to the fulfillment of the B.Sc. degree. Tasks: Study of the biology and ecology of different species of barnacle larvae. Thesis: "Aspectos de la biología larval de cirripedios en la Bahía de Maldonado", 90 pp; 1982; Poster: Balino 1982
- ii. Lecturer of the undergraduate course "Biological Oceanography I: Plankton"
- iii. Participation in the project: Plan de Monitoreo Ambiental de la Cuenca del Santa Lucia. Tasks: Hydrological and chemical analyses

SCIENTIFIC PROJECT MANAGEMENT

2009-2010	Project manager of the Norwegian Research School in Climate Dynamics – ResClim. UiB coordinator with 10 national partners, 7 international partners, https://bjerknes.uib.no/en/article/news/resclim-2009-2017 <u>Tasks</u> : Oversee all the activities of the school and assistance to the director in the preparation of annual scientific and activities reports. Secretary to the steering committee. Member of the Forum for national research schools. Organisation of meetings and events. Dissemination and outreach.
2002-2006	Project manager of the EU FP5 research project Patterns of Climate Variability in the North Atlantic - PACLIVA. Project ID EVK2-CT-2002-00143. EU contribution 1 768 986 €. UiB coordinator with 12 partners from 10 countries. <u>Tasks</u> : Coordination and monitoring of science activities, liaison between the coordinator and the partners, preparation of scientific and finances reports to the Commission. Organisation of meetings and events. Dissemination and outreach: brochures, posters, webmaster
2002-2005	Project manager of the EU FP5 research project Meridional Overturning Exchange with Nordic Seas – MOEN. Project ID EVK2-CT-2002-00141. EU FP5 contribution 1 590 759 €. UiB coordinator with 8 partners from 7 countries. https://cordis.europa.eu/project/rcn/67527_en.html

Tasks: Coordination and monitoring of science activities, liaison between the coordinator and the partners, preparation of scientific and finances reports to the Commission. Organisation of meetings and events. Dissemination and outreach: brochures, posters, webmaster, participation in conferences

2001-2004	<p>Project manager of the EU FP5 research project Tracer and circulation in the Nordic Seas Region TRACTOR . Project ID: EVK2-CT-2000-00080. EU FP5 contribution 2 342 632 €, UiB coordinator with 7 partners from 5 countries. https://cordis.europa.eu/project/rcn/54408_en.html</p> <p><u>Tasks:</u> Coordination and monitoring of science activities, liaison between the coordinator and the partners, preparation of scientific and finances reports to the Commission. Organisation of meetings and events. Dissemination and outreach: brochures, posters, webmaster, participation in conferences</p>
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MENTORING

2017-2021	<p>Appointed professional Mentor of the EARMA European Certificate in Research Management. Candidate: Mr Hiwa Målen, University of Bergen. 2019-2021 Candidate: Dr. Konstantinos Chilidis, University of Oslo. 2017-2021</p>
2019-present	<p>Mentor of research coordinators and administrators from the University of Bergen (UiB), Institute of Marine Research (IMR) and the Norwegian School of Economics (NHH)</p>

COMMITTEES, WORKING GROUPS and NETWORKS

Organisation	Duties/Role	Periode
BCCR-IBS Center for Climate Physics South Korea	BCCR science contact	2022-2023
Organising committee of the WCRP 2 nd Open Science Conference, Kigali, Rwanda	Member	2023
ESA Glacier Mass Balance Intercomparison Exercise (GlaMBIE) Stakeholder Board	CliC delegate	2022
WCRP Regional Information for Society (RifS)	Secretary	2020-21
WCRP Regional Consultations Organising Team	Member	2020-21
WCRP Task Team on Regional Activities	Member	2019-20
EMB University Consortium Panel	Member	2018-19
European Marine Board (EMB)	Norwegian delegate	2018-19
Steering committee on the European Charter & Code at UiB	Member	2017
Governance development project at UiB: committees on (i) Research management, (ii) Finances and (iii) Implementation of New Research Centres	Member	2015
Preparatory Phase Committee of the Svalbard Integrated Earth System Observatory System	Delegate	2010-13

Forum for Norwegian Research Schools, Research Council of Norway	Delegate	2009-11
European Science Foundation – Marine Board	Deputy to UiB's representant	2007-09
Marine European Network on Training of Researchers (MENTOR)	Deputy UiB's representant	2007-09
Marine Board of UiB	Secretary	2007-09
UiB's working group on the High North	Secretary	2007-09
General Assembly of EUROCEANS (EU FP6 Network of Excellence)	UiB delegate	2007-08
"Centres of Excellence" Forum, Research Council of Norway	Member	2003-06
Working group on Global Change Research Programmes, Research council of Norway	Leader of discussion group and session chair	2004
UNIFOB AS	Board member representing the employees	2001-02
Partnership for Observation of the Global Oceans (POGO)	Member of an international discussion group on data exchange	2000
IGBP- Data and Information Systems	Member of the (i) Steering Committee (ii) IGBP's webmaster expert group	1999-2001
Global Change Master Directory, NOAA	Member of the DIF voting committee	1998-99
JGOFS Data Management Task Team	Coordinator	1997-01

PARTICIPATION with DUTIES at NATIONAL & INTERNATIONAL SCIENCE MEETINGS

Women in Science. Panel discussion on Women's experiences from research in the natural sciences. Faculty of Mathematics and Natural Sciences, UiB. Bergen, 8 March 2019. Invited panelist.

Marine Research and Innovation strategy of the University of Bergen. Hordaland's regional strategic dialogue meeting, 4 January 2017. Invited talk

IMBER Open Ocean Science Conference Future Oceans, 22-27 June 2014, Bergen Norway. Leader of the local organising committee. 485 participants

American International Education Administrators (AIEA) annual conference, Washington DC, USA, 16-19 February, 2014. Convener of the round table discussion "Building strong and sustainable international partnerships"

ICSU Workshop: Integrated Global Change Research: Co-designing knowledge across scientific fields, national borders and user groups, 7-9 March 2012, Berlin, Germany. Invited participant

WCRP workshop: Predictability of polar climate, 21-29 October, 2010, Bergen, Norway. Local sponsor fund-raiser and leader of the local organising committee (85 participants)

EARMA conference, Profesionalization of Research Management. 25-26 June 2009, Copenhagen. Session Rapporteur: "When projects go wrong"

Third Trans-Atlantic cooperative research conference "Climate, oceans and policies- Challenges for the 21st Century". Carnegie Institution, Washington DC, USA, Nov 1, 2005. Session Rapporteur: "Interplay between the atmosphere, sea ice and the oceans"

Second Trans-Atlantic cooperative research conference: Meeting the climate-energy challenge, Carnegie Institution, Washington DC, USA, 4-6 October 2004. Session Rapporteur: "Climate Oceans and marine resources management"

Global Change Workshop. Under the auspices of the Research Council of Norway, Soria Moria Hotell, Oslo, Norway. 3-4 November 2004. Participation of Directors from WRCR, IGBP, IHDP and Diversitas. Member of the planning group; leader of discussion group and session chair

Bjerknes Centenary 2004: Climate Change in High Latitudes. Radisson SAS Hotel Bryggen, Bergen, Norway, 1-3 September 2004. Leader of the local organising committee (290 participants)

IGBP's International Project Offices meeting. 20-25 February 2000, Cuernavaca, Mexico. Session Chair: "Communication channels across IGBP Core Projects"

IGBP's International Project Offices meeting. 13-17 May 1998, Durham, NH, USA. Session Moderator

<p style="text-align: center;">PRESENTATIONS AT INTERNATIONAL SCIENTIFIC MEETINGS & RESEARCH MANAGEMENT EVENTS</p>

Hanna, E., A.Lovecraft, H. Christensen, & B. Balino. 2022. "Ice and People: CliC Strategic Plan 2022-2031", Arctic Summit Science Week, 24 March-1 April, University of Tromsø, Norway. **Convened session**

Balino, B. 2019. Climate Change: the facts. International Business Travel Management World 2019. Session "Preserving the world through sustainable meetings", 19 November 2019. **Invited talk**

Balino, B. & W. Schubotz. 2019. The Coordination Office for WCRP Regional Activities. International Conference on Regional Climate – CORDEX 2019, 14-18 October. **Invited talk**

Balino, B. 2019. An introduction to the Coordination Office for WCRP Regional Activities. Workshop on Climate Prediction in the Atlantic-Arctic sector, 5-7 June 2019, Bergen, Norway. DOI: 10.5281/zenodo.3248840. **Invited talk**

Balino, B. 2019. Marine Spatial Planning: an introduction. Innovation Camp SDG#14, 5-6 February, Bergen, Norway. **Invited talk**

Zygmuntowska, M., S. Mikki, K. Cohen, V.K.Irgan, B. Balino & C. E. Anders. 2018. The Profile Doctors: how to build your publication-CV online. Annual EARMA conference, 16-18 April, Brussels. **Invited talk**

Balino, B., 2016. Research support organisation at the University of Bergen. Research Administration Seminar, Universitetet i Oslo, 5 Desember. **Invited talk** (In Norwegian).

Balino, B., 2013. Excellent sciences requires excellent administration. NARMA meeting 26. November, Oslo. **Invited talk**

Balino, B., 2012. How to apply for funding. ResClim General Assembly, Hurtigrute. 20 March. **Invited talk**

Balino, B., 2011. Partnership programme in Climate Centre for internationalisation of education (SIU) meeting 8 September. **Talk** (In Norwegian)

- Balino, B. 2011. Reflections from one that "leaked from the pipe". Workshop: Gender balance in science, Research Council of Norway, Oslo, 26 June. **Invited talk** (in Norwegian)
- Balino, B. 2010. ResClim: status and challenges. First forum for National Research Schools, Research Council of Norway, Nov 17, Oslo. **Talk**
- Balino, B. 2009. The Bjerknes Centre for Climate Research. First workshop on climate change Argentina-Norway. 28-29 October, Buenos Aires. **Talk**.
- Balino, B. 2009. Bergen Marine Research Cluster. Presentation to the president of the Helmholtz association, during his Norway visit, 25 August. **Talk**
- Balino, B. 2008. Marine research at UiB. Annual meeting of the Deutsche Konsortium Meeresforschung, 15 May, Hamburg. **Talk**
- Balino, B. 2006. The International Geosphere-Biosphere Programme. SCOR/IOC workshop on ocean changes. 17-22 October, Concepción, Chile. **Talk**
- Balino, B. 2005. The Bergen Climate Model: application capabilities to health issues. Trans-Atlantic Workshop on. "Global infectious diseases, climate, water and health", Nov 1, 2005, Washington University Club - **Talk**
- Balino, B. & S. Østerhus. 2004. Meridional Overturning Exchanges in the Nordic Seas. EUROCEANS2004. Galway, Ireland, 10-13 May 2004. **Poster**
- Balino, B. 2003. Bjerknes Centre for Climate Research: a national center for excellence. Official opening of the Nansen-Zhu International Centre for Climate Research, Beijing, China, 1-3 November 2003. **Talk**
- Balino, B. 2002a. The Bjerknes Collaboration for Climate Research. Third General Meeting of the European Network for Arctic-Alpine Multidisciplinary Environment Research (ENVINET), 13-16 January 2002, Oban, Scotland -**Talk**
- Balino, B. 2002b. Bjerknes Centre: a centre of excellence in climate research. Meeting of the steering committee of the Bergen Marine Food Chain Research Infrastructure, Institute of Fisheries and Marine Biology, University of Bergen, 4 April 2002 - **Talk**
- Balino, B. and E. Jansen. 2001. The Bjerknes Collaboration for Climate Research. KlimaProg Conference: Climate and Ozone, 27-29 November, Bergen -**Talk and poster**
- Balino, B. and P. Haugan. 2001. Role of ice-ocean-atmosphere processes in high-latitude climate change: a Bjerknes/Marie Curie Training Site. KlimaProg Conference: Climate and Ozone, 27-29 November, Bergen -**Talk and poster**
- Nesje, A., S. Østerhus and B. Balino. 2001. The Bjerknes Collaboration: Scientific highlights. KlimaProg Conference: Climate and Ozone, 27-29 November, Bergen - **Talk and poster**
- Conkright, M., B. Balino, G. Glenn, B. Griffiths, C. L. Hammond, M.P. Labaied, R. Lowry, T. Mitzka, T. Miyake and J. S. Sarupria. 2000. JGOFS Data Management Task Team. JGOFS Open Science Conference, 13-17 April 2000, Bergen, Norway - **Poster**
- Balino, B., 1997. Impact of anthropogenic nutrient inputs upon the primary production of the North Sea, assessed by a coupled physical-biological 2D-model. In: Proceedings of the Long-term Changes in Marine Ecosystems, Arcachon, France 1-3 February 1995. Oceanologia Acta - **Poster**
- Balino, B. and R. Lowry. 1997a. Data Management of the Joint Global Ocean Flux Study (JGOFS). Ocean Data Symposium, Dublin, Ireland, 8-10 October 1997 - **Poster**
- Balino, B. and R. Lowry, 1997b. JGOFS/IGBP-DIS related activities. IGBP-DIS/WDC workshop, NCAR, Boulder, CO, USA, 8-11 April 1997 - **Talk**
- Lowry, R. and B. Balino, 1997. JGOFS Data Management System. IGBP-DIS/WDC workshop, NCAR, Boulder, CO, 8-11 April 1997.
- Balino, B.M. 1995. Masfjordmodellen på antallsbasis. PUSH workshop, 7-8 desember 1995, Norgesfiskerihøgskole, Tromsø, Norway - **Talk**

- Balino, B., 1993. On the eutrophication status in the North Sea and the significance of the contribution from Norway. Dr. seminar held at the Institute of Fisheries and Marine Research, UiB - **Talk**
- Balino, B., 1989. Startfeeding of halibut larvae. Ny Fisk annual meeting. Bergen, Norway - **Talk**
- Balino, B., 1988. Live feed for turbot larvae: options and perspectives. Norsk Hydro annual meeting, 18 September 1988, Solstrand Hotel, Bergen, Norway - **Talk**
- Balino, B., 1982. Aspects of the biology of barnacle larvae in Maldonado Bay. In: International Symposium on Coastal Ecosystems, Rio Grande, Brasil. *Atlantica* 5(2): 11 -**Poster abstract**

PUBLICATIONS

Peer reviewed scientific articles

- Fasham, M.J., B.M. Balino and M.C. Bowles (eds.). 2001. A new vision of Ocean Biogeochemistry after a decade of the Joint Global Ocean Flux Study (JGOFS). *AMBIO special report 10, May 2001*, 30 pp
- Salvanes, A.G.V., and B.M. Balino. 1998. Productivity and fitness in a fjord cod population: an ecological and evolutionary approach. *Fisheries Research* 37 (1-3): 143-161
- Aksnes, D.L., K.B. Ulvestad, B.M. Balino, J. Berntsen, J. Egge, and E. Svendsen. 1995. Ecological modelling in coastal waters: towards predictive physical-chemical-biological simulation models. *Ophelia* 41: 5-36
- Balino, B.M and D.L. Aksnes. 1993. Winter distribution and migration of the sound scattering layers, zooplankton and micronekton in Masfjorden, western Norway. *Marine Ecology Progress Series* 102(1-2): 35-70
- Giske, J., D.L. Aksnes, B.M. Balino, S. Kaartvedt, U. Lie, J. Tryti Nordeide, A.G.V. Salvanes, S. Wakili and A. Aadnesen. 1990. Vertical distribution and trophic interactions of zooplankton and mesopelagic fishes in Masfjorden in winter 1989. *Sarsia* 75(1): 65-81

PhD dissertation

- Balino, B.M. 1996. Eutrophication of the North Sea: 1980-1990: an evaluation of anthropogenic nutrient inputs using a 2D phytoplankton production model, 284 pp

Reports, articles in newsletters and editorials

- Balino, B. (Ed). WCRP CliC Annual Report 2022. 48 pp.
- Straneo, F., Renwick, J., Naish, T., Lovecraft, A., Smedsrud, L.H., Hanna, E., Christiansen, H., Lique, C., Seroussi, H., Sugiyama, S., Vancoppenolle, M., Zhang, T., Balino, B.M., van der Wel, N., eds. (2021). CliC 2021. Climate and Cryosphere (CliC) Strategic Plan 2022-2031. WCRP Publication 8/2001. <https://doi.org/10.5281/zenodo.8010115>
- Balino, B. (Ed). WCRP CliC Annual Report 2021. 32 pp. <https://doi.org/10.5281/zenodo.8010109>
- Balino, B. (Ed). WCRP CliC Annual Report 2020. 34 pp <https://doi.org/10.5281/zenodo.8010087>
- Eldevik, T., Beckers, J.M.; Anderson, L.G., Cabral, Deshayes, J., Dias, F., Duplessy, J-C., H., Estrada Miyare, M., Hansen, B., McCarthy, G., Palmer, T., Smedsrud, L.H., Uotila, P., Visbeck, M., Walløe, L., Balino, B.M., Asbjørnsen, H. (2021) A sea of change: Europe's future in the Atlantic realm. 2021. European Academies Science Advisory Council (EASAC) Policy report 42, 47 pp. ISBN 978-3-8047-4262-8
- Balino, B. & T. Furevik (eds) 2012, 2013, 2014, 2015. Annual report of the Centre for Climate Dynamics at the Bjerknes Centre.
- Balino, B. & T. Furevik (eds) 2011. Centre for Climate Dynamics at the Bjerknes Centre, Brochure. 16 pp
- Balino, B. & T. Furevik (eds) 2010. RESCLIM report of activities 2010-2011. 10 pp

- Balino, B. & E. Jansen (eds). 2003, 2004, & 2005. Annual report of the Bjerknes Centre for Climate Research: Centre of Excellence activities. 20, 24 & 29 pp
- Balino, B.M., M.J. Fasham & M.C Bowles (eds.). 2001. Ocean bio-geochemistry: a synthesis of JGOFS research 1988-1998. IGBP Science No. 2, 32 pp.
- Lowry, R.K. & B. Balino (editors) 1999. JGOFS Data Management and Synthesis Workshop. JGOFS Report 29/99. Bergen, Norway, 45 pp.
- Balino, B., 1999. New Data and Information System Steering Group Sets Agenda. Vol.10. No. 1. US JGOFS News
- Balino, B. & R.K. Lowry, 1999. JGOFS data managers and modellers address common concerns. Vol. 9 No. 4, US JGOFS News
- Balino, B., 1998. Developing an information management system for IGBP. Vol. 9 No. 3, US JGOFS News
- Hanson, R., B. Balino and J. Stokke, 1998. JGOFS SSC meets in Cape Town to honor former chairman. Vol. 9 No. 2, US JGOFS News
- Grong, E., & B. Balino. 1994. Beskrivelse av den kjemisk-biologiske-transportmodellen TRACER. Det Norske Meteorologiske Institutt Teknisk rapport Nr. 135, 48 pp
- Balino, B. 1994. The use of a coupled physical-biological 2D model to study the impact of anthropogenic nutrient inputs upon the primary production of the North Sea. Report commissioned by SFT, 43 pp.
- Balino, B. 1993. Nutrient inputs to the North Sea, Skagerrak and Kattegat. River Concentrations and loads from 1980 to 1990. Report commissioned by HOV-Senteret, 75 pp
- Balino, B.M., H.B. Botnen, V. Fleming, A-M. Ruokangas & Ø. F. Tvedten. 1993. Deep benthos in the Nordic Seas. A seminar report BFM 402. IFM report series 17, 85 pp
- Martinsen, E.A., H. Engedhal, G. Ottersen, B. Ådlandsvik, H. Loeng, and B.Balino. 1992. Climatological and hydrographical data for hindcast of ocean currents. MOMOP (MetOcean MOdeling Project) final report. The Norwegian Meteorological Institute, Technical report No. 100, 93 pp
- Balino, B., K. Hamre, & P.G. Kvenseth. 1990. Halibut activities in Tveitevågen and Veløy, 1990. A/S MOWI annual report, 100 pp.
- Balino, B. 1989. Startfeeding of halibut larvae. Ny Fisk report L 6/89, 71 pp
- Hamre, K., B. Balino, & J.I. Nielsen. 1989. Halibut fry 1989G. A/S MOWI annual report, 34 pp
- Balino, B. & K. Hamre. 1988. Extensive rearing of turbot larvae. A/S MOWI annual report, 50 pp.

LANGUAGES

- Spanish (Mother language)
- English (Fluent: oral and written)
- Norwegian Bokmål (Fluent: oral and written)