

# **Coordinator Report 1999**

## Table of Contents

InterRidge Membership .....	1
InterRidge Steering Committee.....	1
InterRidge National Correspondents.....	1
InterRidge People, Past and Present.....	2
InterRidge contacts with other programs .....	3
Uncompleted “To Do” items from the 1998 steering committee meeting.....	3
InterRidge Projects.....	4
InterRidge WWW Pages.....	7
InterRidge Publications 1999.....	7
InterRidge Mailing List, June 1999 .....	11
InterRidge Meetings and Workshops.....	12
Calendar of MOR Research related events (Summer 1999-2001).....	13
InterRidge Budget .....	14

## InterRidge Membership

Spain downgraded to a Corresponding member of InterRidge in 1999. China will soon be joining as a Corresponding member and they are also interested in becoming an Associate member in the future. Currently there are 25 countries associated with InterRidge: 5 principal members (France, Germany, Japan, UK and USA), 4 associate members (Canada, Italy, Portugal and Norway) and 15 corresponding members (Australia, Brazil, Denmark, Iceland, India, Korea, Mexico, Morocco, New Zealand, Russia, Spain, South Africa, Sweden, Switzerland and SOPAC).

## InterRidge Steering Committee

1. Mathilde Cannat	(France; Chair, 1997)	11. Françoise Gaill	(France, <i>ad hoc</i> , 1998)
2. Philippe Blondel	(UK, <i>ad hoc</i> , 1997)	12. Chris R. German	(UK, 1997)
3. Enrico Bonatti	(Italy, NC, 1998)	13. Peter M. Herzig	(Germany, 1996)
4. Alan Chave	(USA, <i>ad hoc</i> , 1997)	14. S. Kim Juniper	(Canada, 1998)
5. David C. Christie	(USA, 1997)	15. David Kadko	(USA, 1999)
6. Paul Dando	(UK, 1999)	16. Jian Lin	(USA, <i>ad hoc</i> , 1999)
7. Colin Devey	(Germany, 1999)	17. Catherine Mével	(France, 1997)
8. Christopher G. Fox	(USA, <i>ad hoc</i> , 1998)	18. Miguel A. Miranda	(Portugal, 1996)
9. Kantaro Fujioka	(Japan, 1999)	19. Lauren Mullineaux	(USA, <i>ad hoc</i> , 1995)
10. Hiromi Fujimoto	(Japan, 1997)	20. Eirik Sundvor	(Norway, 1996)

## InterRidge National Correspondents

### *Principal Members:*

1. France - Dorsales - Catherine Mével
2. Germany - DeRidge - Colin Devey
3. Japan - InterRidge Japan - Nobuhiro Isezaki
4. UK - BRIDGE - Chris German
5. USA - RIDGE - David C. Christie

### *Associate Members:*

1. Canada - CanRidge - S. Kim Juniper, Kathryn M. Gillis
2. Italy - Enrico Bonatti, Paola Tartarotti
3. Norway - Eirik Sundvor
4. Portugal - J. Miguel A. Miranda

### *Corresponding Members:*

1. Australia - Trevor J. Falloon
2. Brazil - Suzanna Sichel
3. Denmark - John R. Hopper
4. Iceland - Karl Grönvold
5. India - D. Gopala Rao
6. Korea - Sang-Mook Lee
7. Mexico - J. Eduardo Aguayo-Camargo
8. Morocco - Jamal Auajjar
9. New Zealand - Ian Wright
10. Russia - Alexander V. Sobolev, Sergei Maschenkov
11. South Africa - Anton le Roex
12. Spain - Juan José Dafiobeita
13. Sweden - Nils G. Holm
14. Switzerland - Gretchen Früh-Green
15. SOPAC - Russell Howorth

## InterRidge People, Past and Present

### Steering Committee Members

<b>Canada</b>		<b>Portugal</b>	
S. Kim Juniper	1998-	Miguel Miranda	1996-
<b>France</b>		<b>Spain</b>	
Françoise Gaill, <i>ad hoc</i>	1998-	Miquel Canals	1995-1998
Mathilde Cannat	1997-	Juan José Dañobeita	1995-1998
Catherine Mével	1997-		
Daniel Desbruyères, <i>ad hoc</i>	1991-1997	<b>UK</b>	
Jean Francheteau	1991-1998	Paul Dando	1999-
H. David Needham	1991-1994	Christopher R. German	1997-
		Philippe Blondel, <i>ad hoc</i>	1997-
<b>Germany</b>		Lindsay Parson, <i>ad hoc</i>	1996-1998
Colin Devey	1999-	Roger C. Searle	1994-1998
Peter M. Herzig	1996-	Martin Sinha	1991-1996
Roland Rihm	1995-1998		
		<b>USA</b>	
<b>Italy</b>		Jian Lin, <i>ad hoc</i>	1999-
Enrico Bonatti	1998-	Christopher G. Fox, <i>ad hoc</i>	1998-
		David Kadko	1998-
<b>Japan</b>		Alan Chave, <i>ad hoc</i>	1997-
Kantaro Fujioka	1999-	David M. Christie	1997-
Hiromi Fujimoto	1997-	Karen Von Damm	1996-1998
Tetsuro Urabe	1995-1998	Lauren Mullineaux, <i>ad hoc</i>	1996-
Kensaku Tamaki	1992-1997	Robert S. Detrick	1992-1995
		John Delaney	1991-1994
<b>Norway</b>		P. Jeff Fox	1991-1994
Eirik Sundvor	1996-	Charles H. Langmuir	1991-1996

### InterRidge Chairs

Mathilde Cannat (France)	1997-1999
Roger Searle (UK)	1994-1996
John Delaney, co-chair (USA)	1991-1993
H. David Needham, co-chair (France)	1991-1993

### InterRidge Coordinators

Cara Wilson	March 1997 -
Ruth Williams (acting)	Oct. 1996 - March 1997
Heather Sloan	Oct. 1993 - Oct. 1996
Trileigh Stroh	1989 - Oct. 1993

## InterRidge contacts with other programs

### ILP (International Lithosphere Program)

Harry Elderfield is the liaison between ILP and InterRidge. Last December ILP sponsored a two-day workshop held on the *Hydrogeology of the Oceanic Lithosphere*. The workshop report will be out shortly.

### SOPAC (South Pacific Geosciences Applied Commission)

SOPAC compiles a listing of oceanographic cruises occurring in the SOPAC area. They could have access to multi-beam data that could be useful for the Global Digital Database working group.

### SCOR (Scientific Committee on Oceanic Research)

The next executive committee of SCOR will take place at the Institute of Oceanography in Goa, India from October 25-29, 1999. It seems that this would be a valuable opportunity to have InterRidge representation at the meeting, as we could strengthen not only our connections with SCOR but our connections with the Indian ridge community at the same time.

### ODP (Ocean Drilling Program)

There is a strong link between the ODP Architecture of the Oceanic Lithosphere PPG and the InterRidge working group on the 4D Architecture of the Oceanic Lithosphere (Cannat, Gillis and Keleman are members of both). Chris Fox has served as the InterRidge liaison to the ODP PPG on Long-Term Observatories, although this PPG has submitted its final report and has now disbanded. There was a large attendance of people involved with InterRidge at the COMPLEX (Conference on Multiple Platform Exploration) meeting in Vancouver, Canada at the end of May.

## Uncompleted "To Do" items from the 1998 steering committee meeting

- Dependent on the outcome of the BRIDGE steering committee InterRidge will write a letter to NERC stressing the importance of free data access for the BRIDGE Database.
- L. Mullineaux and D. Kadko will write a paper to *Nature* about the mining of hydrothermal deposits and its biological impact. We will post it on the web for comments for three weeks, and notify the InterRidge mailing list that it is there for comments. It will be signed by the IR steering committee.
- F. Gaill will contact SCOR about ecological reserves after the *Nature* article has been published.
- Have a position paper in *InterRidge News* about scientists polluting sites.
- Consider having an *InterRidge News* issue with opposing viewpoints on a controversy
- Organize hydrothermal biology seminars at the biology departments at Vigo, Madrid and Barcelona.
- Try to entrain Swedish involvement in the Arctic working group.
- Eirik Sundvor will be giving us the name of a Norwegian microbiologist to join the Arctic working group.
- Convince a Norwegian microbiologist to attend the Arctic Workshop  
*There was not enough time between the 1998 steering committee meeting and the Arctic workshop to do this.*
- Enrico Bonatti will ask Marco Ligi about joining the SWIR working group and get back to us about this.
- Philippe will contact Indraneel Ghose about the status of data in India.
- Contact Bob Tyce and/or Jeff Fox about the Russian MAR data.
- Refocus or further redefine the objectives of the Hydrothermal Fluxes working group.
- Add a microbiologist to the Hydrothermal Fluxes working group.
- Add a question to the reserve submission form asking to specify the markers used.
- Find out what is the international symbol for Ecological Reserve and encourage it's use at hydrothermal reserves.  
*This issue was researched, but apparently there is no international symbol for Ecological Reserves.*
- Mail paper copies of the reserve submission form to people.
- Continue development of the Biological Samples database.
- Contact Colin Devey about entraining German biologists into De-Ridge.

## InterRidge Projects

The three InterRidge themes: Global Studies, Meso-Scale Studies and Active Processes are subdivided into ten InterRidge projects. The current chair, membership and summary of 1999 activities are given below.

### Global Studies:

- **SWIR (Southwest Indian Ridge):** Catherine Mével (France), Chair  
 Miquel Canals (Spain) Charlie Langmuir (USA) Jonathan Snow (Germany)  
 Chris German (UK) Anton le Roex (South Africa) Kensaku Tamaki (Japan)  
 Nancy Grindlay (USA) Chris MacLeod (UK) <sup>B</sup>Cindy Lee Van Dover (USA)

There were two JAMSTEC dive cruises to the SWIR last fall, one near the triple junction and one near the Atlantis II FZ. A special session on slow-spreading ridges was held at last year's Fall AGU meeting, the session focused on recent field results from the SWIR and the Arctic Ridges.

- **Arctic Oceans:** Colin W. Devey (Germany), Chair  
 Bernard J. Coakley (USA) H. Ruth Jackson (Canada) Roland Rihm (Germany),  
 Kathleen Crane (USA) Wilfried Jokat (Germany) Has Albert Roseau (Germany)  
 Olivier Dauteuil (France) Yngve Kristoffersen (Norway) Hideki Shimamura (Japan)  
 Vladimir Glebowski (Russia) Peter J. Michael (USA) <sup>B</sup>Cindy Lee Van Dover (USA)  
 Karl Gronvold (Iceland) Neil C. Mitchell (UK)

Colin Devey took over as Chair of this working group after the 1998 steering committee meeting. The report from the 1998 meeting on Arctic Ridges was published in December 1998. A special session on slow-spreading ridges was held at last year's Fall AGU meeting, the session focused on recent field results from the SWIR and the Arctic Ridges. There was a working group update published in the last *InterRidge News* (8.1).

- **Global Digital Database:** Philippe Blondel (UK), Chair  
 Christine Deplus (France) Kazuo Kobayashi (Japan) Ron McNab (Canada)  
 Jose Diaz (Spain) William Ryan (USA) Wilhelm Weinrebe (Germany)  
 Martin Jakobsson (Sweden) Marco Ligi (Italy)

The working group is compiling information about the available data in various countries and institutions.

- **Global Partitioning of Hydrothermal Fluxes:** Chris German (UK)  
 Y. John Chen (USA) Gary Massoth (New Zealand) ? Kevin G. Speer (France)  
 Javier E. Escartín (Spain) Arabinda Mitra (India) ? Carol A. Stein (USA)  
 Toshitaka Gao Gamo (Japan) Joël Radford Knoery (France) Verena Tunnicliffe (Canada)  
 Peter Halbach (Germany) Daniel S. Scheirer (USA) <sup>B</sup>Cindy Lee Van Dover (USA)  
 Sang-Mook Lee (Korea) Steve D. Scott (Canada)

Meetings of this working group took place at both the Fall 1998 AGU meeting and at the 1999 EGS in Den Haag. There was a working group update published in the last *InterRidge News* (8.1). Planning has started for the InterRidge Theoretical Institute on Thermal Regime of Ocean Ridges and the Dynamics of Hydrothermal Circulation, which will most likely be held in the summer of 2000.

**Meso-Scale Studies:**

- **4-D Architecture of the Oceanic Lithosphere:** Jian Lin (USA), Chair  
 Simon Allerton (UK)                      Pascal Gente (France)                      Lindsay M. Parson (UK)  
 Donna K. Blackman (USA)                      Kathryn M. Gillis (Canada)                      Nobukazu Seama (Japan)  
 Mathilde Cannat (France)                      Eulália Grácia (Spain)                      Martin C. Sinha (UK)  
 Jérôme Dymont (France)                      Peter B. Kelemen (USA)                      Maya Tolstoy (USA)

Jian Lin took over as the Chair of this working group after the 1998 steering committee meeting. There was a working group update published in the last *InterRidge News* (8.1). Planning has started for the InterRidge Theoretical Institute on Thermal Regime of Ocean Ridges and the Dynamics of Hydrothermal Circulation, which will most likely be held in the summer of 2000.

- **Back-Arc Basin Database:** Chairs: Hiromi Fujimoto and Jean-Marie Auzende  
 Philippe Bouchet (France)                      Eulália Grácia (Spain)                      Steve D. Scott (Canada)  
 Jean-Luc Charlou (France)                      Peter M. Herzig (Germany)                      Robert J. Stern (USA)  
 Katsunori Fujikura (Japan)                      Roy A. Livermore (UK)                      Brian Taylor (USA)

The working group is compiling a report on the past research done in Back-Arc Basins.

**Active Processes:**

- **Biological Studies at the Ridge Crest:** Lauren Mullineaux (USA), Chair  
 Paul R. Dando (UK)                      Charles R. Fisher (USA)                      Douglas C. Nelson (USA)  
 John R. Delaney (USA)                      Has Fricke (Germany)                      Suguru Ohta (Japan)  
 Daniel Desbruyères (France)                      Françoise Gaill (France)                      Anna-Louise Reysenbach (USA)  
 David R. Dixon (UK)                      Jun Hashimoto (Japan)                      Karl O. Stetter (Germany)  
 Sergei S. Drachev (Germany)                      S. Kim Juniper (Canada)                      Verena Tunnicliffe (Canada)  
 Aline Fiala-Médioni (France)                      Richard A. Lutz (USA)

The contributions volume from the InterRidge *First International Symposium on Deep-Sea Hydrothermal Vent Biology* Symposium was published as issue 39 (3/4) of the *Cahiers de Biologie Marine*. Andrew McArthur has supplied web pages which list and summary identified hydrothermal vent faunal. This information is also available on the InterRidge webpage in database format. Members of the working group have recently been discussing the effects of hydrothermal vent tourism. It has been suggested that InterRidge should organize a workshop in 2001 to discuss issues of management/protection of hydrothermal vents. To fully address this issue will require the input of scientists, specialists in international law and environmental issues, and government agencies.

- **Undersea Cables:** Alan Chave (USA), Chair  
 John R. Delaney (USA)                      Adam Schultz (UK)                      Pascal Tarits (France)  
 Hiroyasu Momma (Japan)                      Debra S. Stakes (USA)                      H. Villinger (Germany)  
 M. Kinoshita (Japan)

Members of this working group worked together with the *Event Detection and Response and Observatories* working group to organize the MOMAR Workshop which was held Oct. 28-31 in Lisbon, Portugal.

- **Event Detection and Response and Observatories:** Chair: Chris Fox

The primary focus of the recent InterRidge EDR/Observatories efforts has been the organization of the MOMAR workshop last October.

- **MOMAR**

The first MOMAR workshop was held last October, and the workshop report was published by the end of March. An international steering committee needs to be established to encourage and promote MOMAR proposals. A second MOMAR workshop will take place in 2001.

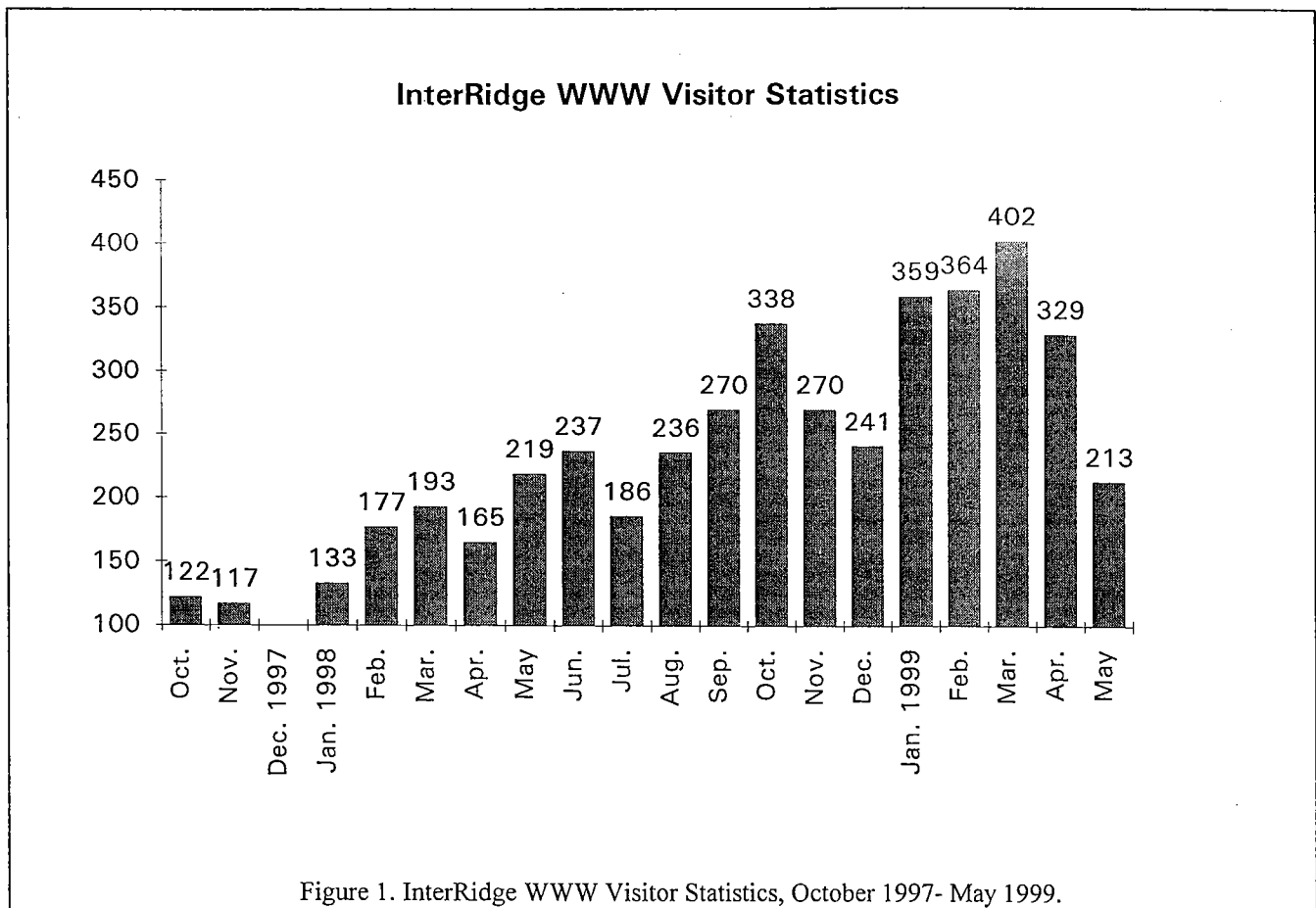
Table 1. National representation on the InterRidge working groups.

	Arctic	SWIR	GDD	Fluxes	4D	BAB	Biology	Cables	EDR/Obs	Total
France	1	1	1	1	3	3	3	1		14
Germany	4	1	1	1		1	3	1		12
Japan	1	1	1	1	1	2	2	2		11
UK	1	2	1	1	3	1	2	1		12
USA	4	3	1	5	4	2	6	3	1	29
Canada	1		1	2	1	1	2			8
Italy			1							1
Norway										
Portugal										
Iceland	1									1
India				1						1
Korea				1						1
New Zealand				1						1
Norway	1									1
Russia	1									1
South Africa		1								1
Spain		1	1	1	1	1				5
Sweden			1							1
Total:	15	10	9	15	13	11	18	8	1	100



## InterRidge WWW Pages

The statistics for the monthly visitation to the InterRidge web site are shown in Figure 1. Aside from the regular updates there have not been too many additions to the website in 1999. Pages have been added which list the faunal classification of hydrothermal vent biology and a MOMAR web page has been added which includes the entire text of the MOMAR workshop report. As usual the national and working group updates published in *InterRidge News* are also posted on the web site, as are all the InterRidge reports.



## InterRidge Publications 1999

### Summary of 1999 Publications

- Contributions from the First International Symposium on Deep-Sea Hydrothermal Vent Biology, *Cahiers de Biologie Marine*, 39(3/4).
- Mapping and Sampling the Arctic Ridges: A Project Plan, pp. 25, December, 1998.
- *InterRidge News*, vol. 8, no. 1, pp. 72, March, 1999.
- MOMAR Workshop Report, pp. 100, March, 1999.

### Contributions from the First International Symposium on Deep-Sea Hydrothermal Vent Biology

The Contributions Volume from the First International Symposium on Deep-Sea Hydrothermal Vent Biology was published as volume 39(3/4) of *Cahiers de Biologie Marine*. The volume, with 43 papers, came out in February 1999 and the InterRidge Office received 50 copies. Participants were asked to pay \$25 to receive a copy of the volume, and this money was collected as part of the registration fee in Madeira. However the InterRidge Office can not sell the volumes it has received and thus will not be sending them out to people who would like to receive a copy. However Manual Bischoit in Madeira will be able to sell copies to people who want one. InterRidge sent copies as gifts to the Symposium's

organizing committee, scientific committee and invited speakers (14 copies). The remaining copies were sent to selected libraries which do not subscribe to the journal. A review of the subscription list indicated that only three institutions in Japan and none in Russia receive CBM. So far 6 copies have been sent to libraries in Russia, 15 to Japan, and 1 to Canada. The office still has 14 copies of the volume to distribute.

### MOMAR Workshop Report

The MOMAR workshop report was finished in March, 1999. In addition to being sent out to the workshop participants and to the InterRidge steering committee and national correspondents, copies of the reports were sent to various funding agencies in different countries (distribution list attached).

### InterRidge News

A breakdown of the subject and nationality of the articles and updates that have appeared in *InterRidge News* is given in Tables 2 and 3. A break-down of how many people receive *InterRidge News* on a national basis is given in Table 4.

Articles published in *InterRidge News*Table 2. Classification, by working group and nationality, of all the articles published to-date in *InterRidge News*.

	<i>InterRidge News</i> issue														Total	% Total
	1(1)	2(1)	2(2)	3(1)	3(2)	4(1)	4(2)	5(1)	5(2)	6(1)	6(2)	7(1)	7(2)	8(1)		
<b>Working Group*</b>																
Arctic	1	1		1				1	1	1			1	1	8	8
BAB	3	2				2		1			2		1	2	13	12
Biology				1	2	1	2	1	3	1	2	4	3	1	21	20
Cables															0	-
EDR/Obs.						1					2		1		2	4
Global Digital DB															0	-
Hydrothermal Fluxes					1				1	1		1	1		5	5
SWIR				1	2	2	2	1	1		1	1	1	1	13	13
4d Architecture						2		2	1	5	3	2			15	19
Miscellaneous	1	3		2	4	2	2		2				4	3	23	17
Articles per issue:	5	6	0	5	9	10	6	6	9	10	8	9	11	10	104	
<b>Country**</b>																
France	1	1		2	3	2	1	3	4		2	2	3	1	25	24
Germany	1	1		1		3	1			1	2		1	2	13	13
Japan		1		1	3	1					1	1	2	1	11	11
UK					1	2		1				1	1	1	7	7
USA	2	2				1	3		3	7	1	3	2	3	24	23
Canada				1	1				1						3	3
Italy															0	-
Norway								1		1			1		3	3
Portugal												1		1	2	2
Australia	1	1													2	2
Brazil															0	-
Denmark															0	-
Iceland															0	-
India					1					1		1			3	3
Korea											1				1	1
Mexico								1							1	1
New Zealand															0	-
Russia											1			1	2	2
South Africa							1								1	1
Spain						1			1						2	2
Sweden															0	-
Switzerland															0	-
Articles per issue:	5	6	0	5	9	10	6	6	9	10	8	9	10	10	104	

\* Classified by subject matter

\*\*According to affiliation of the first author

Updates published in *InterRidge News*Table 3. Classification, by working group and nationality, of all the updates published to-date in *InterRidge News*.

	<i>InterRidge News</i> issue														Total	% Total
	1(1)	2(1)	2(2)	3(1)	3(2)	4(1)	4(2)	5(1)	5(2)	6(1)	6(2)	7(1)	7(2)	8(1)		
<b>Working Group</b>																
Arctic												1	1	1	3	12
BAB												1			1	4
Biology							1			1		2			4	16
Cables											1	1			2	8
EDR/Obs.												1	1		2	8
Global Digital DB										1			1		2	8
Hydrothermal Fluxes							1					1		1	3	12
MOMAR												1	1	1	3	12
SWIR					1		1			1			1		4	16
4d Architecture														1	1	4
Updates per issue:	0	0	0	0	1	0	3	0	0	3	1	8	5	4	25	
<b>Country</b>																
France	1				1	1	1	1		1	1	1	1	1	10	12
Germany		1		1	1	1	1	1	1	1	1	1	1		11	13
Japan	1	1		1		1	1				1		1		7	8
UK	1	1		1	1	1	1	1	1	1	1	1	1	1	13	14
USA		1		1	1	1	1	1	1	1	1	1	1	1	12	13
Canada		1			1	1	1	1		1	1	1	1	1	10	11
Italy												1			1	1
Norway											1				1	1
Portugal	1											1			2	2
Australia					1			1							2	2
Brazil											1				1	1
Denmark														1	1	1
Iceland												1			1	1
India							1		1						2	2
Korea	1	1						1		1		1			5	5
Mexico		1						1							2	2
New Zealand												1			1	1
Russia		1			1							1		1	4	4
South Africa										1					1	1
Spain	1						1				1				3	3
Sweden								1		1					2	2
Switzerland											1				1	1
Updates per issue:	6	8	0	4	7	6	8	9	4	8	10	11	6	6	93	

## InterRidge Mailing List, June 1999

Table 3. The nationality of the InterRidge mailing list, classified first by membership (principal, associate, correspondent or none) and then by alphabet.

	Country	Mailing List		E-mail Addresses		%age with E-mail Address	
		Number	%age of Total	Number	%age of total		
1.	France	281	11.07%	195	10.89%	69%	
2.	Germany	194	7.64%	116	6.48%	60%	
3.	Japan	182	7.17%	100	5.58%	55%	
4.	UK	233	9.18%	182	10.16%	78%	
5.	USA	1114	43.89%	877	48.97%	79%	79.0 %
6.	Canada	74	2.92%	54	3.02%	73%	
7.	Italy	21	0.83%	17	0.95%	81%	
8.	Norway	14	0.55%	12	0.67%	86%	
9.	Portugal	37	1.46%	26	1.45%	70%	5.8 %
10.	Australia	24	0.95%	19	1.06%	79%	
11.	Brazil	3	0.12%	3	0.17%	100%	
12.	Denmark	6	0.24%	4	0.22%	67%	
13.	Iceland	18	0.71%	14	0.78%	78%	
14.	India	29	1.14%	17	0.95%	59%	
15.	Korea	10	0.39%	7	0.39%	70%	
16.	Mexico	5	0.20%				
17.	Morocco	1	0.04%	1	0.06%	100%	
18.	New Zealand	17	0.67%	9	0.50%	53%	
19.	Russia	111	4.37%	49	2.74%	44%	
20.	South Africa	5	0.20%	4	0.22%	80%	
21.	Spain	37	1.46%	21	1.17%	57%	
22.	Sweden	14	0.55%	9	0.50%	64%	
23.	Switzerland	16	0.63%	11	0.61%	69%	11.7 %
24.	Argentina	1	0.04%				
25.	Austria	2	0.08%	2	0.11%	100%	
26.	Belgium	14	0.55%	8	0.45%	57%	
27.	Chile	3	0.12%				
28.	China	13	0.51%	2	0.11%	15%	
29.	Czech Republic	1	0.04%	1	0.06%	100%	
30.	Ecuador	1	0.04%				
31.	Fiji	5	0.20%	4	0.22%	80%	
32.	French Polynesia	1	0.04%	1	0.06%	100%	
33.	Greenland	1	0.04%	1			
34.	Greece	2	0.08%				
35.	Iran	3	0.12%				
36.	Ireland	10	0.39%	8	0.45%	80%	
37.	Israel	2	0.08%	1	0.06%	50%	
38.	Monaco	2	0.08%	1	0.06%	50%	
39.	Netherlands	17	0.67%	8	0.45%	47%	
40.	New Caledonia	1	0.04%	1	0.06%	100%	
41.	Papua New Guinea	1	0.04%				
42.	Philippines	1	0.04%				
43.	Poland	1	0.04%	1	0.06%	100%	
44.	Puerto Rico	1	0.04%	1	0.06%	100%	
45.	Slovenia	1	0.04%	1	0.06%	100%	
46.	Taiwan	1	0.04%	1	0.06%	100%	
47.	Tonga	1	0.04%				
48.	Turkey	3	0.12%	2	0.11%	67%	
49.	Ukraine	1	0.04%				
50.	Venezuela	2	0.08%				3.6 %
	Total:	2538		1791		71%	

## InterRidge Meetings and Workshops

### Recent and Upcoming meetings

- InterRidge Workshop: Mapping and Sampling the Arctic Ridges  
*Hannover, Germany, October 17-17, 1998*
- InterRidge Workshop: MOMAR (Long-Term **M**onitoring of the **M**id-Atlantic **R**idge)  
*University of Lisbon, Portugal, October 28-31, 1998*
- InterRidge Steering Committee Meeting  
*Bergen, Norway, June 25-26, 1999*
- InterRidge/BRIDGE Field Trip to the Troodos Ophiolite  
*Larnaca, Cyprus, July 11-17, 1999*
- Joint GSL/GSA/InterRidge Meeting: The Nature and Tectonic Significance of Fault Zone Weakening  
*Geological Society, Burlington House, London, UK, March 8-9, 2000*

### **InterRidge/BRIDGE Field Trip to the Troodos Ophiolite**

InterRidge and BRIDGE are sponsoring a field trip to the Troodos Ophiolite in Cyprus July 11-18, 1999. BRIDGE contributed money to pay the bus rental for the transport of participants during the field course. The InterRidge Office has been handling the administrative and logistical details, working with Cyprus Travel in London. There will be 40 participants in this field trip from 13 countries (Brazil, Canada, France, Germany, Israel, Italy, Japan, Russia, Portugal, Spain, Switzerland, UK and USA).

### Future meetings (requiring additional discussion)

- InterRidge Theoretical Institute: Thermal Regime of Ocean Ridges and the Dynamics of Hydrothermal Circulation  
*summer 2000*
- Workshop on the management/protection of hydrothermal vent ecosystems  
*fall 2000*
- InterRidge MOMAR Workshop 2001  
*Azores, Portugal, 2001*

## Calendar of MOR Research related events (Summer 1999-2001)

July 1-11, 1999	<b>RIDGE Field Trip to the Troodos Ophiolite</b> <i>Larnaca, Cyprus</i>
July 11-17, 1999	<b>InterRidge/BRIDGE Field Trip to the Troodos Ophiolite</b> <i>Larnaca, Cyprus</i>
July 18-30, 1999	<b>XXII General Assembly of IUGG (International Union of Geodesy and Geophysics)</b> <i>University of Birmingham, Birmingham, UK</i>
August 22-25, 1999	<b>11th International Symposium on Unmanned Untethered Submersible Technology (UUST99)</b> <i>University of New Hampshire, Durham, New Hampshire, USA</i>
September 12-15, 1999	<b>3rd International Workshop on Orogenic Lherzolites and Mantle Processes</b> <i>Pavia, Italy</i>
September 13-17, 1999	<b>34th European Marine Biology Symposium</b> <i>Universidade dos Açores, Ponta Delgada, Açores, Portugal</i>
September 22-25, 1999	<b>RIDGE 2000 Meeting</b> <i>Newport, OR, USA</i>
November 7-9, 1999	<b>RIDGE Juan de Fuca Results Symposium</b> <i>Seattle, WA, USA</i>
December 13-17, 1999	<b>AGU Fall Meeting</b> <i>San Francisco, CA, USA</i>
January 24-28, 2000	<b>Ocean Sciences Meeting</b> <i>San Antonio, TX, USA</i>
March 7-10, 2000	<b>Oceanology International 2000</b> <i>Brighton, UK</i>
March 8-9, 2000	<b>The Nature and Tectonic Significance of Fault Zone Weakening</b> <b>Geological Society of London/Geological Society of America/InterRidge meeting</b> <i>Geological Society, Burlington House, London, UK</i>
April 17-20, 2000	<b>Geoscience 2000</b> <i>University of Manchester, UK</i>
May 23-26, 2000	<b>Underwater Technology 2000 (UT'00)</b> <i>Tokyo, Japan</i>
August 6-17, 2000	<b>31st International Geological Congress</b> <i>Rio de Janeiro, Brazil</i>
Aug. 28 - Sept. 2, 2000	<b>The XVIIIth (New) International Congress of Zoology</b> <i>Athens, Greece</i>
December 15-19, 2000	<b>AGU Fall Meeting</b> <i>San Francisco, CA, USA</i>
September, 2001	<b>Hydrothermal Ecology</b> <i>Brest, France</i>
2001	<b>InterRidge MOMAR Workshop 2001</b> <i>Azores, Portugal</i>

## InterRidge Budget

The InterRidge budget for 1999 is outlined on the next page. The Coordinator salary went up slightly (11%) in 1999, the result of a required change in the contract which raised the base salary. As usual the annual budget accounts for 1/3 of the salary of the 2-year research post-doc position. Only 9 months of this salary has been used (J. Escartín was at Jussieu 7/97-3/98); the salary for the remaining 15 months of this post-doc, which have not been utilized by the time the Office moves at the end of 1999, will remain at Jussieu. The combined travel expenses, for the Chair and Coordinator went down (44%) in 1999 compared to 1998, mainly the result of a smaller number of InterRidge meetings in 1999. Expenses occurred on publishing InterRidge reports also went down (83%) in 1999. This decrease is accounted for primarily by the anonymously high costs in 1998 due to the cost of the EOS article (with an accompanying color figure) and the contribution towards the cost of the publication of Madeira contribution volume (CBM 39 (3/4)). Additionally InterRidge did not end up paying the publishing cost of either the abstract volume or the report for the 1999 MOMAR workshop due to a grant from the EU. Had the InterRidge Office had to paid for these reports (as it usually does for InterRidge meetings) this portion of the budget would have easily been doubled. The Office costs went up in 1999 (14%), primarily the result of an estimated cost for a new computer (not yet bought). The computer currently in use was bought in 1993 and is sorely in need of being updated. While the net InterRidge income went down (3%) in 1999 as a result of Spain's withdrawal, the InterRidge expenditures remained within the annual budget, and there is a net balance of approximately 111,000 FF (17,500 USD).



**InterRidge Costs**

	EXPENDITURE (Francs)	EXPENDITURE (Dollars)*	EXPENDITURE (Euros)**	% CHANGE	NOTES
<b>Salaries</b>					
Coordinator	302,406	47,924	46,101		
Assistant	104,100	16,497	15,870		
Post-Doc	181,600	28,779	27,685		
	<b>588,106</b>	<b>93,200</b>	<b>89,656</b>	<b>+4.2%</b>	
<b>Travel &amp; Expenses</b>					
Chair (Bergen)					
Travel	4,100	650	625		
Expenses	1,000	158	152		
Coordinator (Bergen, Troodos)					
Travel	5,034	798	767		
Expenses	4,000	634	610		
Subtotal	<b>14,134</b>	<b>2,240</b>	<b>2,155</b>	<b>-44%</b>	
<b>Reports</b>					
Madeira	350	55	53		
Arctic Ridges Report 98	3,425	543	522		
St. Committee Report	989	157	151		
Arctic Ridge Report 94	970	154	148		Reedition
Subtotal	<b>5,734</b>	<b>909</b>	<b>874</b>	<b>-83.1%</b>	
<b>Office Costs</b>					
Telecommunications	3,000	475	457		
Printing IR News	73,000	11,569	11,129		
Postage IR News	39,600	6,276	6,037		
Postage non IR News	15,000	2,377	2,287		
Supplies	10,000	1,585	1,524		
Equipment	20,000	3,169	3,049		New computer and software (estimated)
Overhead	80,000	12,678	12,196		
Subtotal	<b>240,600</b>	<b>38,129</b>	<b>36,679</b>	<b>+14.1%</b>	
<b>Total</b>	<b>848,574</b>	<b>134,477</b>	<b>129,364</b>	<b>+1.9%</b>	

**InterRidge Income : National Contributions 1999**

	Francs	Dollars *	Euros **	% CHANGE
<b>PRINCIPAL MEMBERS</b>				
France	240,000 <sup>^</sup>	40,000	36,588	
Germany	126,203	20,000	19,240	
Japan	126,203	20,000	19,240	
UK	126,203	20,000	19,240	
USA	126,203	20,000	19,240	
<b>ASSOCIATE MEMBERS</b>				
Canada	31,551	5,000	4,810	
Italy	31,551	5,000	4,810	
Norway	31,551	5,000	4,810	
Portugal	31,551	5,000	4,810	
	<b>883,422</b>	<b>140,000</b>	<b>134,677</b>	<b>-3.5%</b>

**Balances**

	Francs	Dollars *	Euros **
1998 Balance Brought	76,152	12,068	11,609
Balance 1999	34,848	5,523	5,313
Balance Carried Forward	111,000	17,591	16,922

\* assumed 1 US\$ = 6.31 FF; \*\* 1Euro = 6.56 FF; ^ assumed 1US\$ = 6 FF mars 99