

**Agenda Item 4.5: Report on Seismic Disturbance and Recommendations**

**Improved Information on Seismic Activities**

**Submitted by: Germany**



**ASCOBANS**

***NOTE:***

**IN THE INTERESTS OF ECONOMY, DELEGATES ARE KINDLY REMINDED TO  
BRING THEIR OWN COPIES OF THESE DOCUMENTS TO THE MEETING**



## ASCOBANS

### 10<sup>th</sup> Meeting of the Advisory Committee

Bonn (Germany), 9 - 11 April 2003

#### Report by Germany

#### **Improved Information on Seismic Activities**

At the 9<sup>th</sup> Meeting of the Advisory Committee (Hindås / Sweden, 10 - 12 June 2002) Germany had given the report "Preliminary Information on Seismic Activities". The paper presented here is an update of that report.

Possible amendments to the former data have been made (see attached table).

In addition the current development of a comprehensive data base for geophysical investigations both on land and at sea was used for cumulative mapping of the survey tracks. The attached two figures show the geographical distribution of the seismic surveys on the German continental shelf and in the German coastal sea of the North Sea and of the Baltic Sea.

The air pulse equipment used during those surveys had a volume of 2.95 liters.

The data could not yet be grouped according to the format required by ASCOBANS due to several procedural problems encountered. Further attempts to suit that format will be made in the future.

The format to be observed was requested at the 7<sup>th</sup> Meeting of the Advisory Committee (Bruges / Belgium, 13 - 16 March 2000). There it was decided that collection of data on seismic activities in the Agreement area should continue. The Meeting agreed that ideally line-kilometre of "high energy" seismic information per 1° x 1° rectangle (or similar) for each month and year since 1997 in the ASCOBANS area was a minimum. If information on the size/power of gun and use of observers was easily obtainable, that information should be sought also (see Report of the Meeting, chapter 5.2 "Disturbance by seismic surveys").

**Table:** Line-kilometres reported of seismic surveys on the German continental shelf and in the German coastal sea of the North Sea

<b>Year</b>	<b>Line-kilometres reported, total per Year</b>	<b>Season</b>	<b>Line-kilometres reported, per season</b>	<b>Remarks</b>
2002	3.023,15	17 March - 20 April	3.023,15	Additionally 1.424,8 km <sup>2</sup> were surveyed that year during 23 April until 11 September. Data on the corresponding line-kilometres are not yet available.
2001	1.301,55	October - November (21 days)	1.104,95	Additionally 1.585 km <sup>2</sup> were surveyed that year. Data on the corresponding line-kilometres are not yet available.
		October	63,6	
		October (2 days)	133	
2000	1.185	September	1.185	Additionally 150 km <sup>2</sup> were surveyed that year. Data on the corresponding line-kilometres are not yet available.
1999	19,5	March - April	19,5	
1998	1.670	April	506	
		October (4 days)	449	
		November	715	
1997	2.354,2	April	399,5	Total of that year to be further examined.
		Juli	1.358	



