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I. Input data

For the period January 1998 to December 2005, parametric data were collected from 73 networks in the Euro-Med bulletin region (Figure 1). Source parameters (locations) were provided by 50 networks. The amount of events reported has steadily increased since 1998 (Figure 2). In the EMSC database, information for 394,745 events are stored corresponding to 9,831,494 arrival times (Figure 3). Data originating from a total of 2,358 stations are archived at the EMSC (Figure 4).

Figure 1: Participating countries to the EMB 98-05
Figure 2: Number of source parameters collected by the EMSC (including redundancy)
The values reported for 2006 correspond to the contribution already received in January 2007 and should increase in the coming months.

Figure 3: Number of phase readings collected by the EMSC (including redundancy)
The values reported for 2006 correspond to the contribution already received in May 2007 and should increase in the coming months.
Figure 4: 2,358 stations have provided data for the EMB 98-05
Figure 5: Hypocentral location of earthquakes present in the final EMB 98-05 (this map only displays located seismic events).
II. Results

For the period January 1998 to December 2005, the Euro-Med bulletin encompasses 62,982 events. An EMSC location was computed for 33,885 events which are displayed on Figure 5 (53% of the complete bulletin). The remaining 29,097 events are reported or deprecated events for which no phase association was possible when only one network has recorded the event.

In 2005, the amount of events in the Euro-Med bulletin has significantly increased reaching 19,421 events (Figure 6) thanks to the new contributions from several networks. The evolution of the number of phases used in the Euro-Med Bulletin follows a similar trend (Figure 7) with again a maximum in 2005 with 392,963 phases. The distribution in terms of magnitude is presented on Figure 8.

![Figure 6: Evolution of the number of events in the EMB 98-05](image-url)
Figure 7: Evolution of the number of phases used in the EMB 98-05

Figure 8: Magnitude distribution in the EMB 98-05
III. Evolutions

- At present time, tests are performed at the EMSC to implement the AK135 global velocity model (recommended by the IASPEI working group on earthquake location method) in the bulletin production procedure. The total 8 years of bulletin will then be recomputed.
- The data contribution becoming stable, we expect to follow the same production rhythm and reach a one-year delay in production at the end of 2007.
- To provide a complete bulletin, information about small magnitude (M < 2.5) earthquakes will be soon included by selecting events reported by authoritative networks.