VOS and VOSClim Report for 2009   **Spain**

a. Programme description:		
Category	**No. of ships at 31 Dec 2009**	**Comments**
Selected	1	
Supplementary		
Auxiliary		
Other (specify)		
Total National VOS Fleet	1	

b. VOS:	
Number of VOS vessels recruited in 2009	
Number of VOS vessels de-recruited in 2009	
Target number of ships in the national VOS Fleet	

c. VOSClim:	
Number of VOSClim vessels at 31 December 2009	
Number of VOSClim vessels recruited in 2009	
Number of VOSClim de-recruitments in 2009	
Number of VOSClim recruitments planned for 2010	
Target number of ships to participate in VOSClim	

d. Automated observing systems:

Type	No. of ships at 31 Dec 2009	Manual Input Yes / No	Method of Comms	2010 Planned installations
Vaisala MAWS 410	1	Yes	Inmarsat-C	

e. Data management:

Total number of ship observations (BBXX) distributed on the GTS in 2009	1104
Number of submissions of VOS data to the GCC in 2009	

f. Electronic logbooks: (do not include AWS-based systems)

Software & version	No. of ships at 31 Dec 2009	Implementation plans
Vaisala 1103_v17	1	

g. **Major challenges and difficulties:**

h. **Research / development / testing:**

i. **Other comments:**