

VOS and VOSClm Report for 2009

(The Netherlands)

a. Programme description:		
Category	No. of ships at 31 Dec 2009	Comments
<i>Selected</i>	175	
<i>Supplementary</i>	0	
<i>Auxiliary</i>	0	
<i>Other (specify)</i>	0	
Total National VOS Fleet	175	

b. VOS:	
<i>Number of VOS vessels recruited in 2009</i>	7
<i>Number of VOS vessels de-recruited in 2009</i>	19
<i>Target number of ships in the national VOS Fleet</i>	175

c. VOSClm:	
<i>Number of VOSClm vessels at 31 December 2009</i>	48
<i>Number of VOSClm vessels recruited in 2009</i>	1
<i>Number of VOSClm de-recruitments in 2009</i>	0
<i>Number of VOSClm recruitments planned for 2010</i>	5
<i>Target number of ships to participate in VOSClm</i>	50

d. Automated observing systems:				
Type	No. of ships at 31 Dec 2009	Manual Input Yes / No	Method of Comms	2010 Planned installations
	0			0

e. Data management:	
<i>Total number of ship observations (BBXX) distributed on the GTS in 2009</i>	78686
<i>Number of submissions of VOS data to the GCC in 2009</i>	~ every 4 months

f. Electronic logbooks: (do not include AWS-based systems)		
Software & version	No. of ships at 31 Dec 2009	Implementation plans
TurboWin 3.5	10	
TurboWin 4.0	163	
TurboWin 4.5	10	TurboWin 4.5 will be distributed among as many Dutch VOS as possible
TurboWeb	2	

g. Major challenges and difficulties:

- Rationalising the fleet (de-recruiting non-cooperating ships)
- Investigating possible automation on board Dutch VOS. In this context KNMI works in collaboration with E-Surfmar in a Task Team on Tendering. Probably at the end of 2010 there will be a common call for tender or the procurement of autonomous S-AWS systems suitable for use on voluntary observing ships recruited by E-SURFMAR participants.

h. Research / development / testing:

- Further development of TurboWin and TurboWeb (Internet access through Javascript).

i. Other comments: