VOS Report for 2013   Country = | **Sweden**

a.	Programme description:			
Category	**No. of ships at 31 Dec 2013**	**Recruitments in 2013**	**De-recruitments In 2013**	**Comments**
Selected	20	0	0	The ships sold to other countries due to the economic crisis
Selected AWS				
VOSClim				
VOSClim AWS				
Supplementary				
Supplementary AWS				
Auxiliary				
Auxiliary AWS				
Other	4			1 Research Vessel, 1 Sail Training Vessel, 2 Coastguard Cutter
National VOS Total				

National VOS Target	24
National VOSClim Target	

b.	Data management:
Total number of ship observations (BBXX) distributed on the GTS in 2013	7189 (Statistic of SMHI)
Date when VOS data submitted to the GCCs in 2013	All logbooks SMHI has received from 2010-2012 has been digitalised.

c.	Shipboard Automatic Weather System				
	Type	**No. of ships at 31 Dec 2013**	**Manual Input Yes / No**	**Method of Comms**	**2014 Plans**
		0			

d.	Electronic logbooks: (TurboWin, SEAS, OBSJMA)	
Software & version	**No. of ships at 31 Dec 2013**	**Implementation plans**
Turbowin	20	

e. Standard Meteorological Equipment: (Types and Settings)		
Equipment Type / Element	**Manual Instrumentation**	**AWS Instrumentation**
Barometer	Vaisala PTB-220	
Default national setting	*Station Level or Mean Sea Level*	*Station Level or Mean Sea Level*
Barograph		
Default national setting	*Station Level or Mean Sea Level*	*Station Level or Mean Sea Level*
Thermometers	PT-100 connected to a Testo-920	
Sea Surface Temperature	?	
Wind Speed	Ships own equipment	
Wind Direction	Ships own equipment	

f.	PMO ship visit activities: (if a visit is for dual purposes, include all purposes)			
Activity	**Manual Ship**	**AWS Ship**	**Comment**	
Routine VOS inspections	2		Very few inspections due to changed routes for most part of our fleet.	
VOS recruitment visits				
VOS de-recruitment visits				
VOS courtesy or foreign visits				
Total visits to VOS	2			
Routine ASAP inspections				
ASAP recruitment visits				
ASAP de-recruitment visits				
ASAP courtesy visits				
Total visits to ASAP				
Routine SOOP visits				
SOOP recruitment visits				
SOOP de-recruitment visits				
SOOP courtesy visits				
Total visits to SOOP				
Visits in support of DBCP (drifting buoys)				
Visits in support of Argo (profiling floats)				
Total visits to other programs				
Total visits by national PMOs	2	*Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)*		

g.   Major challenges and difficulties:

*   To evaluate AWS system

h.   Research / development / testing:

*   To look at the consequences of changing to a smaller but fully automated fleet.

i.   Other comments

*   Lack of resources. PMO, until now, have only 20% time of a man-year.