Country =	Netherlands
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a. Programme description:				
Category	No. of ships at 31 Dec 2013	Recruitments in 2013	De-recruitments In 2013	Comments
Selected	0	0		
Selected AWS	0	0		
VOSClim	102	0		
VOSClim AWS	0	0		
Supplementary	0	0		
Supplementary AWS	0	0		
Auxiliary	0	0		
Auxiliary AWS	0	0		
Other	0	0		
National VOS Total	102			

National VOS Target	102
National VOSClim Target	102

b. Data management:	
Total number of ship observations (BBXX) distributed on the GTS in 2013	<mark>36545</mark>
Date when VOS data submitted to the GCCs in 2013	Every month

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

d. Electronic logbooks: (TurboWin, SEAS, OBSJMA)			
tware & version	No. of ships at 31 Dec 2013	Implementation plans	
ooWin version 5.0	70	TurboWin 5.0 and, when operational version becomes available switch over to TurboWin+.	
ooWin version 4.5	27	TurboWin 5.0 and, when operational version becomes available switch over to TurboWin+.	
eb (TurboWin+ Beta)	5	Update to newest version when available	
t	oWin version 5.0 oWin version 4.5	No. of ships at 31 Dec 2013  oWin version 5.0  oWin version 4.5  27	

e. Standard Meteorological Equipment: (Types and Settings)					
Equipment Type / Element	Manual Instrumentation	AWS Instrumentation			
Barometer	Fuess (aneroid) and Vaisala PTB330				
Default national setting	Station Level	Station Level or Mean Sea Level			
Barograph	Fuess				
Default national setting	Mean Sea Level	Station Level or Mean Sea Level			
Thermometers	Sling psychrometer (alcohol)				
Sea Surface Temperature	Ship's inlet or Bucked (alcohol thermometer)				
Wind Speed	Estimated/ ship's anemometer				
Wind Direction	Estimated/ ship's anemometer				

f. PMO ship visit activities: (if a visit is for dual purposes, include all purposes)			
Activity	Manual Ship	AWS Ship	Comment
Routine VOS inspections	61		
VOS recruitment visits	0		
VOS de-recruitment visits	0		
VOS courtesy or foreign visits	4		
Total visits to VOS	65		
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)	6		
Visits in support of Argo (profiling floats)			
Total visits to other programs			
Total visits by national PMOs	71	Sum of all sh	ip visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)

g. Major challenges and difficulties:
Reduced manpower (2 half PMO's )for PMO activities (due to budget cuts).
h. Research / development / testing:
TurboWeb (web based electronic Log Book software). TurboWin+ (replacement of TurboWin and TurboWeb) with connectivity with EUCAWS automatic weather station and connectivity with electronic barometers (Vaisala PTB 220 and Vaisala PTB 330).
i. Other comments