

VOS Report for 2014

Country = EUMETNET

a. Programme description:				
Category	No. of ships at 31 Dec 2014	Recruitments in 2014	De-recruitments In 2014	Comments
<i>Selected</i>				
<i>Selected AWS</i>	9			
<i>VOSclim</i>				
<i>VOSclim AWS</i>	2			
<i>Supplementary</i>				
<i>Supplementary AWS</i>	17	2	2	
<i>Auxiliary</i>				
<i>Auxiliary AWS</i>				
<i>Other</i>				
<b>National VOS Total</b>	28			

<b>National VOS Target</b>	30
<b>National VOSclim Target</b>	11

b. Data management:	
<i>Total number of ship observations (BBXX) distributed on the GTS in 2014</i>	138 740
<i>Date when VOS data submitted to the GCCs in 2014</i>	Done by the responsible Eumetnet member for each station



e. Standard Meteorological Equipment: (Types and Settings)		
Equipment Type / Element	Manual Instrumentation	AWS Instrumentation
Barometer    <i>Default national setting</i>		Vaisala PTB220 (on BATOS)
		Vaisala PTB210 (on BAROS)
		MetPak-II multisensor (a few BAROS)
		<i>Station Level</i>
Barograph		
Thermometers		PT100 from Vaisala humidity sensor HMP45D or HMP110 (BATOS)
		Gill MetPak-II multisensor (a few BAROS)
Sea Surface Temperature		PT100 (BATOS)
Wind Speed and direction		Gill Windsonic (BATOS)
		Gill MetPak-II multisensor (a few BAROS)

f. PMO ship visit activities: (if a visit is for dual purposes, include all purposes)			
Activity	Manual Ship	AWS Ship	Comment
Routine VOS inspections		16	Remark: The EUMETNET S-AWS fleet is maintained by PMOs or technicians from different NMS or third parties. A part of the related visits may have been reported in their respective national report.
VOS recruitment visits		2	
VOS de-recruitment visits		2	
VOS courtesy or foreign visits			
<i>Total visits to VOS</i>	20		
Routine ASAP inspections			
ASAP recruitment visits			
ASAP de-recruitment visits			
ASAP courtesy visits			
<i>Total visits to ASAP</i>			
Routine SOOP visits			
SOOP recruitment visits			
SOOP de-recruitment visits			
SOOP courtesy visits			
<i>Total visits to SOOP</i>			
Visits in support of DBCP (drifting buoys)			
Visits in support of Argo (profiling floats)			
<i>Total visits to other programs</i>			
<b>Total visits by national PMOs</b>	20		<i>Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)</i>

**g. Major challenges and difficulties:**

The maintenance of the E-SURFMAR AWS fleet is not an easy work due to do the change of ship's routes, sales, temporarily decommissions, deconstructions... The help of the MOON community (Mediterranean Operational Oceanography Network), and most especially of ENEA, is very well appreciated

In addition to the funding and the operation of a European S-AWS fleet, E-SURFMAR continues to coordinate the VOS activity in Europe according to the programme objectives. European VOS report more than 50% of all ship observations in the world. One of the main objective of E-SURFMAR consists in optimising the surface marine observations to improve short range forecasts over Europe. One of the challenge is to improve the quality of sea level pressure measurements reported by conventional VOS which remains below the target.

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

EUCAWS: Resulting from a tender signed in 2013, three prototypes of the European Common AWS successfully passed the Factory Acceptance Test in mid-December 2014. A first prototype will be installed on a ferry in January for a 4-week test period (Site Acceptance Test). At the end of this period, the Verification of Regular Service will start for 6 months. Members should be able to order the first series before at end of 2015.

**i. Other comments**