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|  | **VOS Report for 2016** | **Country =** | **Netherlands** |
|  |
|  | **a.** | **Programme description:** |
| **Category** | **No. of ships at** **31 Dec 2016** | **Recruitments in 2016** | **De-recruitments****In 2016** | **Comments** |
| *Selected* |  |  |  |  |
| *Selected AWS* |  |  |  |  |
| *VOSClim* | 84 | 0 | 13 |  |
| *VOSClim AWS* |  |  |  |  |
| *Supplementary* |  |  |  |  |
| *Supplementary AWS* |  |  |  |  |
| *Auxiliary* |  |  |  |  |
| *Auxiliary AWS* |  |  |  |  |
| *Other* |  |  |  |  |
| **National VOS Total** | 84 |   |  |  |
|  |  |  |  |  |  |
|  | **National VOS Target** |  |  |  |  |  |
|  | **National VOSClim Target**  | 50-90 |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **b.** | **Data management:** |
|  | *Total number of ship observations (BBXX) distributed on the GTS in 2016* | 20494 |
|  | *Dates when VOS data submitted to the GCCs in 2016* | Every month |

|  |  |  |
| --- | --- | --- |
|  | c. | **Shipboard Automatic Weather System** |
| **Type** | **No. of ships at 31 Dec 2016** | **Manual Input****Yes / No** | **Method of Comms** | **Year1 Plans** |
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|  | **d.** | **Electronic logbooks: (TurboWin, SEAS, OBSJMA)** |
| **Software & version** | **No. of ships at**  **31 Dec 2016** | Implementation plans |
| TurboWin 5.0 | 80 | All Ships to be switched over to version 5.5/TurboWin+/TurboWeb |
| TurboWin+/TurboWeb (diff. versions) | 4 | Gradually more ships with TurboWin+/TurboWeb instead of TurboWin 5.5 |
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| **e.** | **Standard Meteorological Equipment: (Types and Settings)** |
| **Equipment Type / Element** | **Manual Instrumentation** | **AWS Instrumentation** |
| Barometer | Fuess aneroid or Vaisala PTB 220 /PTB330 |  |
|  |  |
|  |  |
| *Default national setting* | *Station Level*  | *Station Level or Mean Sea Level* |
| Barograph | Fuess aneroid (small scale) or Vaisala PTB330 |  |
|  |  |
| *Default national setting* | *Station Level*  | *Station Level or Mean Sea Level* |
| Thermometers | Schneider alcohol |  |
|  |  |  |
| Sea Surface Temperature | Condenser Inlet (most vessels), some Bucket with alcohol thermometer |  |
|  |  |  |
| Wind Speed | Estimated or Ship’s Anemometer |  |
|  |  |  |
| Wind Direction | Estimated or Ship’s Anemometer |  |
|  |  |  |
|  |  |  |
|  |  |  |

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| --- | --- |
| **f.**  | **PMO ship visit activities: (if a visit is for dual purposes, include all purposes)** |
| **Activity** | **Manual Ship**  | **AWS****Ship** | **Comment** |
| Routine VOS inspections | 51 |  |  |
| VOS recruitment visits | 0 |  |  |
| VOS de-recruitment visits | 5 |  |  |
| VOS courtesy or foreign visits | 10 |  |  |
| *Total visits to VOS* | 66 |  |
| 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) | 5 |  |  |
| Visits in support of Argo (profiling floats) |  |  |  |
| *Total visits to other programs* |  |  |  |
| **Total visits by national PMOs** | 71 | *Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)* |
|  |  |  |  |

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| **g.** | **Major challenges and difficulties:** |
| **Lack of resources put a pressure on number of ship’s inspections and so on the opportunity to encourage Captains/officers to make observations.****Due to budget problems there’s a serious delay in purchasing Eucaws systems.**  |
|  |  |
| **h.** | **Research / development / testing:** |
| **Electronic logbook software (TurboWin+); Enhancement of connectivity to pressure sensors and GPS (wireless in the near future).**  |
|  |  |
| **i.** | **Other comments** |
|  |