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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 | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 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** |
|  | |