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|  | **VOS Report for 2015** | **Country =** | **Indonesia** |
|  |
|  | **a.** | **Programme description:** |
| **Category** | **No. of ships at** **31 Dec 2015** | **Recruitments in 2015** | **De-recruitments****In 2015** | **Comments** |
| *Selected* |  |  |  |  |
| *Selected AWS* | 10 |  |  |  |
| *VOSClim* |  |  |  |  |
| *VOSClim AWS* | 8 |  |  | Will be registered to JCOMM in VosClim AWS by Batos System |
| *Supplementary* |  |  |  |  |
| *Supplementary AWS* |  |  |  |  |
| *Auxiliary* |  |  |  |  |
| *Auxiliary AWS* |  |  |  |  |
| *Other* |  |  |  |  |
| **National VOS Total** | 18 |  |  |  |
|  |  |  |  |  |  |
|  | **National VOS Target** | 50 |  |  |  |  |
|  | **National VOSClim Target**  | - |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **b.** | **Data management:** |
|  | *Total number of ship observations (BBXX) distributed on the GTS in 2015* | - |
|  | *Dateswhen VOS data submitted to the GCCs in 2015* | - |

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| --- | --- | --- |
|  | c. | **Shipboard Automatic Weather System** |
| **Type** | **No. of ships at 31 Dec 2015** | **Manual Input****Yes / No** | **Method of Comms** | **2016 Plans** |
| TECHSENSE MET | 10 | No | INMARSAT/ THURAYA/  | Upgrade to create the manual input by observer and added SST sensor |
| BATOS SYSTEM | 8 | Yes | IRIDIUM |  |
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|  | **d.** | **Electronic logbooks: (TurboWin, SEAS, OBSJMA)** |
| **Software & version** | **No. of ships at**  **31 Dec 2015** | Implementation plans |
| TURBOWIN | 10 | The data ship not yet sent automatically to GTS, Now only sent to national server (BMKG server). |
| BATOS | 8 | The data ship will be sent automatically to GTS from transmit server. |
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| **e.** | **Standard Meteorological Equipment: (Types and Settings)** |
| **Equipment Type / Element** | **Manual Instrumentation** | **AWS Instrumentation** |
| Barometer | - | 8 Barometer PTB330 |
| - | 10 Techsense Met |
|  |  |
| *Default national setting* | *Station Level or Mean Sea Level* | *Mean Sea Level* |
| Barograph |  |  |
|  |  |
| *Default national setting* | *Station Level or Mean Sea Level* |  |
| Thermometers | - | 8 HPM155 and 10 Techsense Met |
|  |  | *Station Level* |
| Sea Surface Temperature | - | 8 Magnetic PT100 |
|  |  | *Mean Sea Level* |
| Wind Speed | - | 8 Wind sonic Gill WS210 Techsense Met |
|  |  | *Station Level* |
| Wind Direction | - | 8 Wind sonic Gill WS210 Techsense Met |
|  |  | *Station Level* |

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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 | 72 |  |  |
| VOS recruitment visits |  | 18 |  |
| VOS de-recruitment visits |  |  |  |
| VOS courtesy or foreign visits |  |  |  |
| *Total visitsto VOS* | 90 | 10 PMOs |
| Routine ASAP inspections |  |  |  |
| ASAP recruitment visits |  |  |  |
| ASAP de-recruitment visits |  |  |  |
| ASAP courtesy visits |  |  |  |
| *Total visitsto 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 |  | As we maintain 5 RAMA buoys near Indonesia region with collaboration with NOAA by Indonesia PRIMA program |
| Visits in support of Argo (profiling floats) | 6 |  | Along our RAMA buoys maintenance we also deploy ARGOs belong toNOAA |
| *Total visits to other programs* |  |  |  |
| **Total visits by national PMOs** |  | *Sum of all ship visits (VOS + ASAP + SOOP) + visits to other program (DBCP + Argo)* |
|  |  |  |  |

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| **g.** | **Major challenges and difficulties:** |
| BMKG has been installed 18 AWSs at National Shipping Company-PELNI,2 AWSs at Rig of National Oil Company, 21 AWSs at Port and 2 AWSs with wave recording (ADCP) at Lighthouse. Right now the AWS data can’t be sent to GTS in BBXX format, because ship metadata is not yet registered in JCOMM. BMKG will registered the metadata from e-surfmar metadata by France. |
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| **h.** | **Research / development / testing:** |
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|  |  |
| **i.** | **Other comments** |
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