

  	<p align="center"><i>1<sup>st</sup> Joint NWC SAF Training Workshop</i> Conclusions</p>	<p>Code: SAF/NWC/IOP/INM/MGT/1JTW/SM  Issue: 0.1      Date: 24/06/04      Page: 1/3  File: SAF-NWC-IOP-INM-MGT-1JTW-SM_01</p>
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## **First Joint NWC SAF Training Workshop**

**Madrid, 14-16 June 2004**

### **CONCLUSIONS**

#### **1. SW PACKAGES DELIVERY & LICENCE PROCEDURE**

*SW licensed by EUMETSAT, although the Leading Entity (INM) is in charge of licence management process.*

*One single Licence Agreement for both SAFNWC/MSG and SAFNWC/PPS, version 1.0 and further versions.*

*Third SW Party, and Pre-existing SW (Météo-France licence) lists included in the helpdesk.*

*First step: Users to sign the Licence Agreement, and nominate a single Focal Point at each NMS*

*Second step: Leading Entity to send to Focal Points, username and password*

*Third step: User to download the desired SW packages.*

*Maintenance committed just for the SAFNWC official versions. Divergence of SW (users modifications, will be not supported)*

Comments:

- Users may contribute to improve SAFNWC but using the SPR process for SW problems.
- Scientific improvements could be considered by version 2.0 (2006), after PAR decisions.
- Internet Forum for Scientific/Technical aspects may be considered, without any supervision/commitment from the SAFNWC. STG may be also considered, taken into account the Quarterly OPS Report.
- Austria , Germany, Croatia, and others required more than one licence.

#### **2. SW PACKAGES INSTALLATIONS PROCEDURE**

*Separate procedures for SAFNWC/MSG from SAFNWC/PPS.*

Comments:

- MSG friendly installation.
- It is necessary to solve the access to NWP and could be convenient to share the procedures to find a common solution, with the support of users.
- MSG test data will not be provided with version 1.0.
- The installation of PPS has been improved from the previous versions. SMHI is waiting for feedback from users after version 1.0 had been installed.
- It has been identified that HDF5 has different versions. To mitigate problems, the libraries have been submitted.

#### **3. INTENDED USERS**

*SW Administrator, Sc Administrator, final users (forecaster)*

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*Convenience of keeping the SAFNWC at Sc Administrator and assessment Sc group before implemented in forecasters routines.*

Comments:

- Concerns on the SAFNWC acceptance by final users based on the known problems presented during the workshop. The delivery of v1.0 is based on a very limited data set for checking and first tuning. A complete subphase for product validation is planned with version PPS 1.1 and MSG 1.2 as output.
- Products have not the same quality status.
- To inform final users on the current quality status and to gather information from them seems to be a good strategy to be adopted. Discussion among forecasters and the Team, through the Sc Administrator should be convenient. Of course, this is a decision of NMS.

#### **4. SAFNWC SW USE**

*Used as a independent package, integrated into the forecasting workstations/ production chains,*

*To be taken into account the flexibility provided by the TM: Selection of PGEs to be processed, geographical area,....*

*Default SAFNWC configurations files may be modified/ created but maintained at users basis.*

*JPEG should not be used to display Cloud Products and the air mass classification product*

Comments:

- Global coverage required by Climate SAF and Land SAF.
- Centre to provide NWC production needed? In principle this is not in the objectives of the NWC SAF. Nobody asked for it.

#### **5. REFERENCE SYSTEM**

Comments:

- Currently, for RDT, use the following URL <http://www.meteorologie.eu.org/RDT> (link in the Help Desk)
- A single N-format image / day should be delivered through the helpdesk

#### **6. VISUALISATION**

*SAFNWC had no commitment on visualisation, as the most extended use of this SW should be to implement it into the forecasting production chain at NMS site to merge of the information provided by radar, lightning, NWP, ground observations, radio soundings,...*

Comments:

- To get all the information on HDF5 developed by KNMI, URL is available (free) and it will be included in the Help Desk SW Packages & Patches WEB page.
- Improvements in colour palettes desirable

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## **7. FIRST IMPRESSION ON PRODUCTS**

*Users have been advised that only first checking and tuning have been performed and that a product validation sub-phase is planned at the IOP.*

*Only some examples have been presented, and users have no experience, so no assessment may be done but a preliminary impression (assessment) of the products.*

Comments:

- To neutralize the negative impression of jumps in some products, information and shortcoming should be provided to forecasters (products limitations already included in the Sc SUM) .
- Satellite images vs. product images: to encourage forecaster on the use of new tools.
- Day / night differences .
- Validation activities are planned and users should be informed at the start of validation sub-phase and results reported with MSG 1. 2, PPS 1. 1 (as planned Scientific Validation Report).
- Product guidance and limitations for the best use of the products should be provided.
- One forecaster in the audience expressed doubts on the real effectiveness of the products (except for one, which he already uses) on the forecasting purposes and improvements needed (e.g.: cloud phase, ...). Such doubts were mitigated by another user.
- Expert systems could be used.

## **8. GUIDELINESS FOR VALIDATION AND PROPOSAL FOR IMPROVEMENTS**

*Potential contributions from users on these topics, under use of the VSA frame, such as regional validation, experience on SAFNWC products, ....*

Comments:

- Similarity of some products detected, inter-comparisons foreseen?, not comparison but consistency check is recommended.
- CMa comparison with MPEF CMa is on going (internal process). The planned validation should be done with synops.
- RDT validation plans presented, and using rain gauges data in this process was suggested.

## **9. USERS SUPPORT THROUGH THE HELPDESK**

*Users have been informed on the best use of the Helpdesk facilities: extensive use of Mailbox, SPRs... About a 40% of the attendants have already contacted the SAFNWC through the Help Desk.*

Comments:

## **10. OTHER COMMENTS**

- Supported platform IBM required by the Climate SAF. No other platform have been required.
- Intel offers for free Fortran 90-95 compilers.