1.1 ROLLING USER SURVEY

A rolling user survey is planned to be made in a yearly basis by means of an interactive tool to be distributed a few months after each delivery. The corresponding questionnaire results will then be available for the Operation Report 2008-01.

The results displayed below correspond to the answers sent by the users before the 22nd of June 2007, of which the results are detailed at the Operation Report 2007-01, plus some answers arrived along the semester. Only these new inputs have been included into the Summary of the Questionnaire as well as into the comments to the other sections (*italics*).

1.1.1 SW Status

Table 1 and Table 2 summarize the NWC SAF MSG SW packages downloaded and installed by the SUG. Rows in cyan are the answers not included into the Operation Report 2007-01 and pink row is a deregistered user. We do not have a tool available to monitor downloads, and therefore we depend on users to let us know whether the SAFNWC SW package has been downloaded.

As a matter of summary, 20 users downloaded the SAFNWC/MSG v2.0 SW, 14 of them running the package. SAFNWC/MSG v1.2 is apparently being used in 12 sites but we have not confirmation at the time being. On the PPS part, 9 users downloaded the SAFNWC/PPS v2.0 SW which is running in 4 sites being v1.1 and v1.0 running in 4 and 2 sites respectively.
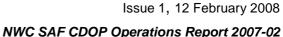
MSG USER	SW Status				SAFNWC/MSG — DO-> Downloaded, IN-> Installed, RU-> Running, Running in the past
	v1.0	v1.1	v1.2	v2.0	Platform
TMS (Turkey)	RU			RU	SUN Blade 100 SUN Solaris 9
FMI (Finland)			IN		LINUX Red Hat
HMS (Hungary)	RU	RU	RU		SUN Blade 2000 &
HMS (Hungary)			IN		Silicon Graphics Origin 2000
ANM (Romania)	IN	RU	RU		SunOS 5.9 Generic_118558-11 sun4u sparc SUNW, Ultra-Enterprise
KNMI (The Netherlands)	RU	RU	RU	RU	sun4u sparc SUNW,Sun-Fire-V440
DWD (Germany)	RU	RU	RU	RU	SUSE Linux 9.2
CM-SAF, DWD (Germany)	RU	RU	RU		SUSE Linux 9.0 & IBM AIX 5.3
Météo Swiss (Switzerland)			IN		SGI Origin 3200 C
Météo-France (France)	RU	RU	RU	RU	SunOS 5.9 Generic_112233-11 sun4u sparc SUNW,SunFire-880
SMHI (Sweden)	IN	IN	RU		LINUX, Red Hat 3.7
ZAMG (Austria)	IN	RU	RU	RU	SUN Solaris
BGIO (Germany)	RU	RU	RU	RU	SUN Solaris
DMI (Denmark)	DO	RU		RU	SUN Solaris 8 SPARC processor
IM (Portugal)	RU	RU	RU		LINUX RedHat 7.3
UGM (Italy)	IN	RU	RU	RU	SUN Blade 2000 2 CPU: Ultra SPARC III Cu 900 MHz - 2 GB RAM
RMIB (Belgium)		IN	RU	RU	PC Linux and HP Unix
HNMS (Greece)	RU				LINUX Red Hat 7.3
DMHZ (Croatia)				DO	LINUX (on HP)
METNO (Norway)			IN	RU	Debian Woody
ARSO (Slovenia)	IN	IN			LINUX
Met Eireann (Ireland)		RU	RU		Red Hat Enterprise Ed
SHMU (Slovak Republic)	DO	RU			
Met Office (United Kingdom)	DO				-
IMGW (Poland)	RU	RU	RU		SUN Blade 2000 SUN Solaris 8
INM (Spain)	RU	RU	RU	RU	SunOS 5.8 Generic_108528-20 sun4u sparc SUNW, Sun-Fire480R, 900 MHz -4 GB
CMR (Croatia)					
CIMA (Italy)					LINUX
ARPA (Italy)		RU			LINUX
ARPAL (Italy)				IN	LINUX
NUI (Ireland)			RU		Dell Power edge 1850, Red Hat Enterprise
NIMHB (Bulgaria)			IN	IN	Red Hat Enterprise Ed
LMD (France)			RU		LINUX, Red Hat
Köln University (Germany)			RU		LINUX
ISAC-CNR (Italy)					
CSIR (South Africa)					
CCNY (USA)			RU		Xeon 64-bit machine, RedHat Enterprise Linux WS V3
PC Regione Marche (Italy)			IN	IN	Linux ubuntu (pentium 4)
RHMS (Serbia)			IN		SuSE Linux 8.0
Bern University (Switzerland)			RU	RU	LINUX, Red Hat
LHMS (Lithuania)				IN	no information available
ULPGC (Spain)					
Imperial College (UK)			DO		
CHMI (Czech Republic)					
Armed Forces (Austria)					
ENAV S.p.A. (Italy)					
SAWS (South Africa)					
IAP (Switzerland)			IN		Linux (kubuntu 6.06 dapper or debian etch)
EUMETSAT (Germany)					
DMN (Morocco)				IN	PC DELL 3.20GHZ processor, 1024 Mb memory, 160 Gb Hard Disc
INM Izaña (Spain)					
MeteoConsult (The Netherlands)				RU	Intel(R) Pentium(R) 4 CPU 3.00GHz;1GB RAM, Red Hat Enterprise 4, gcc v4.1.1, Inter ifort v9.1
TU Dresden (Germany)					
Austro Control (Austria)					
Uni. Bonn (Germany)				RU	Intel Pentium 4, LINUX Fedora Core 6
Met. Office (Iceland)					
IBL SW Eng. (Slovakia)					
NCHF (Vietnam)					
SAR, Sardinia (Italy)					

Table 1: Summary of the SW Status SAFNWC/MSG

PPS USER	SW Status	DO-> Downloaded IN-> Installed RU-> Running		SAFNWC/PPS Running in the past
	v1.0	v1.1	v2.0	Platform
TMS (Turkey)		RU		SUN Blade 100 SUN Solaris 9
FMI (Finland)	RU			LINUX/Mandrake and Red Hat
HMS (Hungary)		DO	IN	
ANM (Romania)				
KNMI (The Netherlands)				
DWD (Germany)		RU	DO	SUSE Linux 9.2
CM-SAF, DWD (Germany)	RU	RU		IBM AIX 5.3
Météo Swiss (Switzerland)	RU			SGI Origin 3200 C
Météo-France (France)				
SMHI (Sweden)		RU	RU	Linux Red Hat Enterprise 3
ZAMG (Austria)			DO	not decided yet
BGIO (Germany)			RU	SUN Solaris 8 (SPARC processor)
DMI (Denmark)		RU	RU	SUN Solaris 8 (SPARC processor)
IM (Portugal)		DO	RU	Fedora Core 3 and 5
UGM (Italy)			DO	PROLIANT DL 585 linux RedHat
RMIB (Belgium)		DO		HP / LINUX (Red Hat)
HNMS (Greece)				
DMHZ (Croatia)				
METNO (Norway)		RU		Debian Woody Fedora Core 3 FC5 and Debian Sarge
ARSO (Slovenia)				
Met Eireann (Ireland)				
SHMU (Slovak Republic)				
Met Office (United Kingdom)				
IMGW (Poland)	DO			not decided yet
INM (Spain)		DO	DO	not decided yet
CMR (Croatia)			IN	Linux Debian Sarge (3.1) & Linux Fedora Core 6
CIMA (Italy)				
ARPA (Italy)				
ARPAL (Italy)				
NUI (Ireland)				
NIMHB (Bulgaria)				
LMD (France)				
Köln University (Germany)				
ISAC-CNR (Italy)				
CSIR (South Africa)				
CCNY (USA)				
PC Regione Marche (Italy)				
RHMS (Serbia)				
Bern University (Switzerland)				
LHMS (Lithuania)				
ULPGC (Spain)				
Imperial College (UK)				
CHMI (Czech Republic)				
Armed Forces (Austria)				
ENAV S.p.A. (Italy)				
SAWS (South Africa)				
IAP (Switzerland)				
EUMETSAT (Germany)				
DMN (Morocco)				
INM Izaña (Spain)				
MeteoConsult (The Netherlands)				
TU Dresden (Germany)				
Austro Control (Austria)				
Uni. Bonn (Germany)				
Met. Office (Iceland)				
IBL SW Eng. (Slovakia)				
NCHF (Vietnam)				
SAR, Sardinia (Italy)				

Table 2: Summary of the SW Status SAFNWC/PPS

Comments to SW Status:

- *Currently we are in the processes of testing PPS SW, intermediate step between installed and running status. In the attachment are questionnaires filled with our current status of PPS implementation. There were some problems during installation due to the fact that the Linux systems were not fresh installed and not dedicated only to the PPS. To solve some installation problems I made parallel installation on two different platforms with the same compilers but with different versions. Finally, although installation finished successfully on both platforms (no compilation errors) I was able to produce PG01 and PG02 output only on Debian Sarge, while on FC6 I still have segmentation faults. We are planning to work in satellite projection and with our own scheduler so Task Manager want be used in processing chain.(CMR, Croatia)*

- *Currently we are in the processes of testing PPS SW, intermediate step between installed and running status (HMS, Hungary)*

1.1.2 SW Use

This new section was proposed by the Review Board during the OR-2006 held in Madrid at INM HQ on 29th November 2006. The aim of the Table 3 is to inform on the PGEs being used, whether their use is operational and/or for research/study purposes and whether if products are delivered to secondary users. Please note that the tables below include the input provided by the users in the past questionnaires, the new inputs highlighted in cyan.

MSG USER	SW Use	O-> Operations R-> Research D-> Distributed							(GREEN not runnig yet)			
		PGE01	PGE02	PGE03	PGE04	PGE05	PGE06	PGE07	PGE08	PGE09	PGE10	PGE11	PGE12
HMS (Hungary)		O R	O R	O R	R	R				O	O	R	O
KNMI (The Netherlands)		OR	OR	OR	R	R	R	R	R	R	OR	OR	OR
DWD (Germany)		O	O R	O D	O	O R	O	O	O			O	
CM-SAF, DWD (Germany)		O	O	O									
Météo-France (France)		O	O	O							R	O	
SMHI (Sweden)		O	O D	O D	O								
ZAMG (Austria)		D	O D	O R D	R D	O R D	D	D	D		O R D	O	R D
BGIO (Germany)		O	OD	OD	O	O	O	O	O	O	O	O	
IM (Portugal)		O	O	O R	R	O R	R	R	R			R	
UGM (Italy)		O	O	O	O	O	O	O	O				
RMIB (Belgium)		O R	O R	O R	O R	O R	R	R	R	R	R	R	R
DMHZ (Croatia)		O	O	O	O	O	O	O	O	O	O	O	O
Met Eireann (Ireland)		O	O	O	O	O	O	O	O	O	O	O	O
INM (Spain)		O	O	O	O	O	O R	O R	O R	O	R	O	R
NIMHB (Bulgaria)		R	O	R	O	O R	R	R	O R	O R	O	O	O R
Köln University (Germany)						R					R	R	
ISAC-CNR (Italy)		R	R	R	R	R	R	R	R	R	R	R	R
CCNY (USA)											R		
PC Regione Marche (Italy)					O	O							
ULPGC (Spain)		R											
Imperial College (UK)		R	R	R									
MeteoConsult (The Netherlands)		R	R	R	R	R	R	R	R	R	R	R	R
Uni. Bonn (Germany)		R	R	R	R	R							

Table 3: Summary of the SW Use questionnaire for SAFNWC/MSG

PPS USER	SW Use	O-> Operations R-> Research D-> Distributed	(GREEN not runnig yet)	
		PGE01	PGE02	PGE03	PGE04
DWD (Germany)		O	O	O	O
CM-SAF, DWD (Germany)		O	O	O	
SMHI (Sweden)		O	O D	O D	O D
BGIO (Germany)		O	O	O	O
IM (Portugal)		R			
RMIB (Belgium)		R	R	R	R
INM (Spain)		O	O	O	O
CMR (Croatia)		R	R		
ULPGC (Spain)		R			

Table 4: Summary of the SW Use questionnaire for SAFNWC/PPS

Legend:
O->Operational use for forecasting purposes or as input for other operational products
R->Research/Study using the NWC SAF products
D->Distribution of selected products to secondary users
GREEN -> SW not running yet

1.1.3 SW Use Benefits

The 11th IOP Steering Group meeting held in Norrköping (Sweden) at SMHI HQ on 7th February 2007, recommended to complete the survey to user (using SAFNWC operationally) with the information concerning the benefits of the SAFNWC SW packages provides on their operational tasks. To this end, the new section was added to the rolling user survey and the results with the answers received are displayed in the following Table 5 and Table 6.

MSG USER	SW Benefits	0 -> Not used operationally 1 -> No impact in operations 2 -> No relevant impact						3 -> Relevant impact 4 -> Fully used & tasks improved			
		PGE01	PGE02	PGE03	PGE04	PGE05	PGE06	PGE07	PGE08	PGE09	PGE10	PGE11
KNMI (The Netherlands)		0	3	2								4
DWD (Germany)		4	4	3	2	4	2	2	2			3
Météo-France (France)		4	4	4							1	4
SMHI (Sweden)		0	4	3	0							
ZAMG (Austria)		2	4	4	3	4	0	0	0		4	1
UGM (Italy)		3	3	0	2	2	2	2	0			
BGIO (Germany)		2	4	4	3	2	2	2	2	2	3	3
Met Eireann (Ireland)		0	3	3	3	2	2	2	2	0	0	0
INM (Spain)		3	4	2	2	3	3	4	4	4	1	3
PC Regione Marche (Italy)					3	3						

Table 5: Summary of the SW Benefits questionnaire for SAFNWC/MSG

PPS USER	SW Benefits	0 -> Not used operationally 1 -> No impact in operations 2 -> No relevant impact		3 -> Relevant impact 4 -> Fully used & ta improved	
		PGE01	PGE02	PGE03	PGE04
DWD (Germany)		4	4	1	1
SMHI (Sweden)		0	4	3	
BGIO (Germany)		0	4	2	2
CMR (Croatia)		0	0		

Table 6: Summary of the SW Benefits questionnaire for SAFNWC/PPS

Legend:

0 -> Product not used operationally

1 -> Product use does not impact the normal operations

2 -> Product use in operational tasks has an impact but not relevant

3 -> Product use has a relevant impact on operational tasks

4 -> Product is fully used and related tasks are improved

Comments to the SW Use Benefits:

- *PGE02 for fog and low clouds, PGE03 is not used operationally because CTH retrieved from owner SW package(UGM, Italy)*

1.1.4   Summary of the Questionnaire

The most recent answers *(italics)* to the questionnaire are displayed below. Older answers can be found at the Operations Report 2007-01.

Questionnaire:

1. In case of SAFNWC SW not downloaded/used,

Can you please explain the problems found?

- *We downloaded SW 1.2 and 2.0 and installed them for test. We are not using them operationally due a complete reorganization of our servers. We scheduled to use safnwc-2.0 operationally within feb-2008.(PC Regione Marche)*

Do you need additional help to the provided through the Help Desk facility?

- *Not, at the moment. (PC Regione Marche)*

Other reasons (i.e. only interested on PPS or MSG, no manpower available,...)

- *For downloading and installing the software (for MSG) we had our internal kick off meeting for a few days. To download the software we have to wait till our computer department gives us the information on which computer we have to install the software. For the operational shift work I plan to install as a first step the following products:*
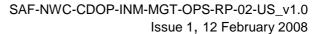   *PGE02 - Cloud Type*
    PGE03 - Cloud Top Temperature and Height
    PGE11 - Rapid Development Thunderstorms
  In the initial phase the other PGEs will be only available for the persons who are working in the   field of the development of meteorological products for the operational service.
  As we all are on the one hand working in the operational service and on the other hand also working on other projects we hope to make these products available for the operational shift work at the end of this year.
  Concerning the feedback, we are of course very interested to cooperate with the SAFNWC developers. (Austro Control)

2. In case of old versions running,

Have you found additional problems to update the new versions? (Please note that only the last version is fully maintained).

- *NONE*

Other reasons

- *NONE*

3. Distribution of the output products to secondary users (users not belonging to the Met Service using the products). Is your Met Service currently distributing selected NWC SAF products to secondary users?

If YES, which users are currently receiving such information?

- *NONE*

If NOT, Is your Met Service interested on providing the NWC SAF products to secondary users?

- *NONE*