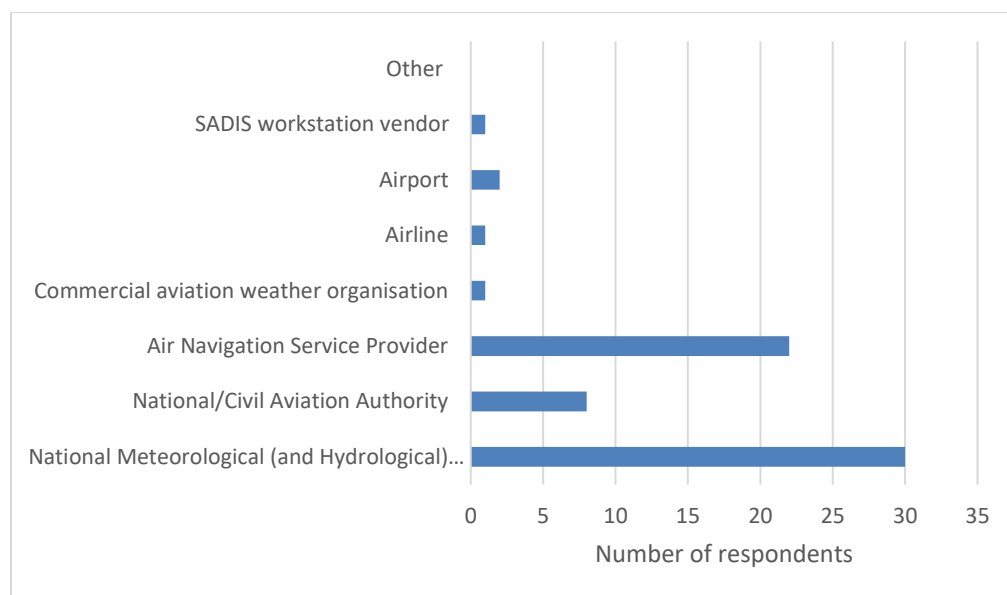
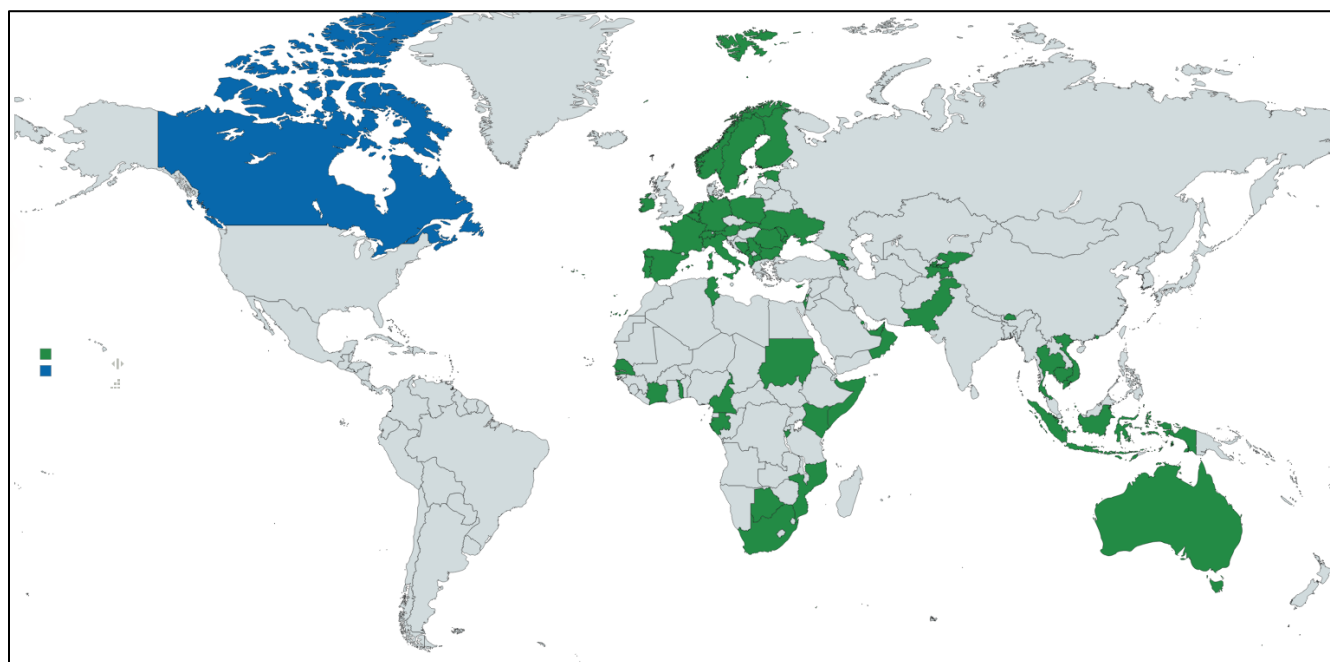


SADIS EFFICACY SURVEY RESPONSES 2025.

1. What type of organisation do you work for?



2. What country are you located in?



Key: Green – primary SADIS. Blue – SADIS backup user

3. What is the name of your organisation/company?

Albania Albcontrol	Luxembourg MeteoLux, Administration de la navigation aérienne
Armenia “ZVARTNOTS” Aviameteorological Center	Macao, China Macao Meteorological and Geophysical Bureau
Australia Bureau of Meteorology	Moldova (Republic of) MOLDATSA
Austria Austro Control GmbH	Montenegro Civil Aviation Agency Montenegro
Bahrain Bahrain Meteorological Directorate	Mozambique CAA
Belgium skeyes	North Macedonia (Republic of) "M-NAV" GOJSC Skopje
Bhutan National Centre for Hydrology and Meteorology	The Netherlands KNMI
Bosnia and Herzegovina BHANSA	Norway Avinor AS
Botswana Botswana Department of Meteorological Services	Oman Directorate General of Meteorology (DGMet), Civil Aviation Authority (CAA)
Bulgaria BULATSA	Pakistan Pakistan Meteorological Department
Cameroon ASECNA	Poland - Port Lotniczy Bydgoszcz S.A - Airport Meteo sp. z o. o.
Cambodia SSCA Civil Aviation Authority	Portugal Instituto Português do Mar e Atmosfera
Canada Environment and Climate Change Canada	Romania ROMATSA
Côte d’Ivoire ASECNA	Senegal ASECNA
Cyprus Department of Meteorology	Serbia Serbia and Montenegro Air Traffic Services SMATSA
Burundi Geographical Institute of Burundi	Seychelles Seychelles Meteorological Authority
Estonia Estonian Environment Agency (ESTE A)	Slovakia Slovak hydro meteorological institute
Finland Finnish Meteorological Institute (FMI)	Somalia Somali Civil Aviation Authority
France	South Africa

Campbell Scientific France	South African Weather Service
Gabon ASECNA	Spain AEMET
Georgia Sakaeronavigatsia	Sudan Sudan Meteorological Authority
Germany Deutscher Wetterdienst	Sweden - LFV - Swedish Transport Agency
Hong Kong, China Hong Kong Observatory	Switzerland Federal Office of Meteorology and Climatology MeteoSwiss
Indonesia Badan Meteorologi Klimatologi dan Geofisika (BMKG)	Tajikistan Tajikairnavigation
Ireland Met Eireann	Thailand Thai Meteorological Department
Israel Israel Meteorological Service	Togo ASECNA
Italy - ENAV SPA - Italian Air Force	Tunisia National Institute of Meteorology
Kenya Kenya Meteorological Department	Ukraine - Ukrainian hydrometeorological center Ukrainian Air Traffic Services State Enterprise (UkSATSE)
Kyrgyzstan State Enterprise "Kyrgyzaeronavigatsia"	United Arab Emirates - National Center of Meteorology
Latvia Latvijas gaisa satiksme	Vietnam - Viet Nam Air traffic Management Coporation

4. Are you a primary SADIS user or do you only use SADIS for backup purposes

	Percent
Primary SADIS user	97.0
Primary WIFS users (SADIS backup only)	1.5
Workstation/Software supplier	1.5

5. How did you find the SADIS FTP service quality?

	Percent
No problems encountered	89.2
Problems encountered	10.8

6. If you experienced problems with SADIS FTP, please specify their nature

Feedback	SADIS Manager Comment
Missing files	<i>This comment lacks specific information to be able to action. The provision of data sets is monitored and logged.</i>
*We are using the old version and not the updated one, most of the icons are not functional (urgent Sigmet, Satellite, Vertical profile) * Since it is an old version, it doesn't have icon for space weather advisory, we only have volcanic ash and cyclone advisories * every time we experience power cut, the SADIS FTP crashes	<i>This relates to the end users own software and does not relate to the provision of SADIS FTP.</i> <i>“problem encountered score removed from total”</i>
The SIGWX EURO-AFRICA charts (FL250 - 630) are not included in the flight documentation.	<i>This is a set up issue in the end users own software. A full set of SIGWX charts are provided for every model run.</i> <i>“problem encountered score removed from total”</i>
Sometimes delayed or missing SIGWX or upper wind charts, although these events are classified as rare	<i>Since SIGWX was automated on 23 March 2025 no SIGWX has been later than the 7-hour target. SADIS FTP does not provide upper wind charts, these are created by the end users own system.</i>
The username and password have been changed, but no message was received	<i>Repeated attempts were made to contact some SADIS FTP users when the login credentials had to be changed in August 2025.</i>
Short interruption 20.1.2025, which was caused by Met UK problem.	<i>It is not know exactly what this refers to.</i>
99% of the time we have no issues. We sometimes notice a drop in connection and we have to contact SADIS support who resolve the issue. We are not given a clear reason as to why issue occurred however.	<i>When applying patches/security updates to the system there can be a brief period in which connections are dropped. There have been no significant outages in the SADIS FTP during 2025.</i>
Since directories and files names of SIGWX maps do not contain the year and month time stamps - this leads to problems with current charts download.	<i>This has always been the way on the SADIS FTP system. As it is now set for retirement there is no plan to make any changes to the directory/file name structure as it</i>

	<i>would cause issues for many users.</i>
SADIS Transmission – When issuing a Tropical Cyclone SIGMET, code WCMZ20 is not accepted by SADIS. Using WSMZ31 allows transmission, but the message is classified as a regular SIGMET instead of a Tropical Cyclone SIGMET.	<i>SADIS FTP is set up to receive and publish WCMZ20 bulletins. The data routing upstream of ROC London (which provides data to SADIS) is being investigated.</i>
Data of some parameter (TURB_0.25 , ICE_0.25) are not visible with "Messir Aero" application.	<i>This relates to the end users own software which may require a software update. “problem encountered score removed from total”</i>

7. Is the SADIS FTP data download rate suitable for your operations?

	Percent
Yes	95,4
No	1.5
I don't know	3.1

8. If your answer to question 7 was 'No' please provide further details

Feedback	SADIS Manager Comment
Not suitable for high resolution GRIB 0.25 data	<i>The download rate on the SADIS FTP is as fast as the underpinning AWS infrastructure permits (there is no rate limiting), but it is possible that the end users own infrastructure is not as fast.</i>

9. How did you find the availability of WAFS upper-air gridded global forecasts in the WMO GRIB2 code form (including wind/temperature/humidity and CB cloud/icing/turbulence)?

	Percent
Good	84.6
Average	9.2
Poor	0
GRIB2 data was not used	6.2

Recalculating the statistics for only those who use GRIB2 data gives a “good” availability of WAFS GRIB data of 90.2%

10. If your answer to question 9 was 'average' or 'poor' please specify the nature of the problem.

Feedback	SADIS Manager Comment
Quite often products are not timely available	<i>There are occasions when the underpinning global model is running a little late (if it has experienced a fault) that are outside of the control of the SADIS provider.</i>
Due to some external and internal issues related to communication means.	<i>It is unclear what this relates to.</i>
Delayed data on several occasions, but no operational impact	<i>There are occasions when the underpinning global model is running a little late (if it has experienced a fault) that are outside of the control of the SADIS provider.</i>
Data of some parameter especially icing and turbulence are not available.	<i>This relates to the end users own software which may require a software update. (response related to final feedback comment in question 6)</i>

11. How did you find the availability of WAFS SIGWX forecasts in the BUFR code form?

	Percent
Good	83.1
Average	3.1
Poor	0
SIGWX data was not used	13.8

Recalculating the statistics for only those who use SIGWX data gives a "good" availability of WAFS GRIB of 96.4%

12. If your answer to question 11 was 'average' or 'poor' please specify the nature of the problem

Feedback	SADIS Manager Comment
Delayed data on several occasions, but no operational impact	<i>Since SIGWX was automated on 23 March 2025 no SIGWX has been later than the 7-hour target.</i>

13. How did you find the availability of OPMET messages (METAR, TAF, SIGMET etc.)?

	Percent
Good	90.8
Average	1.5
Poor	0
OPMET data was not used	7.7

Recalculating the statistics for only those who use OPMET data gives a “good” availability of WAFS OPMET of 98.3%

14. If your answer to question 13 was 'average' or 'poor' please specify the nature of the problem

Feedback	SADIS Manager Comment
No comments.	

15. Are you downloading the new IWXXM format OPMET data sets?

	Percent
Yes	23.1
No	64.6
I don't know	12.3

16. Please explain any plans you have in relation to downloading and using IWXXM OPMET data sets.

Feedback
We are planning to make this available within 2028.
We provide our information using the IWXXM format.
Need to first ensure our vendor can consume and render IWXXM, working through development priorities.
We do not use IWXXM in our operations yet. This is in test via the SADIS API. IWXXM OPMET data via AMHS is received, but not yet used in operations.
We are implementing the new MET operational system in March 2026, which will be capable of receiving IWXXM format of data
Currently we are in the final stage of purchasing (contract) IWXXM software
We are planning to download IWXXM OPMET data set via SADIS API since 2027
Notre SADIS ne peut pas recevoir les données au format IWXXM car c'est une version ancienne (installé en 2008) . Nous avons en projet de le remplacer à long terme par le SADIS API qui pourra gérer le format IWXXM. <i>Translation: Our SADIS system cannot receive data in IWXXM format because it is an older version (installed in 2008). We plan to replace it in the long term with the SADIS API, which will be able to handle the IWXXM format.</i>
We will start downloading the new IWXXM format OPMET data sets, as soon as all Regional Opmet Centres are exchanging this format.
We have not yet migrated to IWXXM. We are facing issues with the software/server and the capacity of our technical staff.
We plan to update the visualisation software for the aviation forecasters in 2026
We get SIGMET and SWXA messages via AFS-network.
We are still exploring on the decoding parameter of the IWXXM, particularly the SIGWX and advisories for our newer products
We intend to acquire a new system compatible with the IWXXM format which can download and display SADIS API Data
We are planning to install new system, with downloading and using possibilities IWXXM OPMET data sets.
Not yet implemented. Still working on TAC to IWXXM converter, and fixing the IWXXM data dissemination
We plan to use the IWXXM feed instead of FTP once full selection available.
Foreseen with the upgrade of our forecasting system. Implementation date: June-2027.
At the moment we not downloading the new IWXXM format OPMET data sets. This isn't necessary yet. Data in TAC format is sufficient. We code and send our OPMET data in the IWXXM format , and our system can also decode it.
We are still in the planning stages for implementing IWXXM.
By the end of 2026
New IWXXM format OPMET data sets is generated and managed from our software. Everything is fine.
We are planning to downloading and using IWXXM OPMET data sets.
Implementing those data to our visualisation systems.
We are mainly receiving it through GTS.
ASECNA plan to upgrade our systems to download and use IWXXM OPMET data.
Investment will be made under the ongoing hydromet project (IOC) that would enable the institution to receive and process such data sets.
We have engaged vendor, and he is working on the user interface. This is likely to be ready end of December or early January 2026. We have registered for SADIS API and shall be ready reception of new WEBGIS interface.
We will download the IWXXM data as and when needed.

We have not any plans
OPMET for surrounding FIR SWIM services have been built that retrieve OPMET data in IWXXM format directly from surrounding met providers, which are planned to be in production Q2 2026. There is a SWIM service built that can download OPMET in IWXXM from the SADIS API, but there is no timetable for it at the moment.
We are updating its internal systems to be able to store and disseminate the OPMET data in IWXXM format. This project will provide this functionality conform planning in Q1 2026.
We plan to upgrade systems to download IWXXM format OPMET data in 2026
We do not plan to download and use the IWXXM OPMET in the short term.

17. How did you find the reliability of the SADIS FTP system overall?

	Percent
Good	93.8
Average	6.2
Poor	0

18. If your answer to question 17 was 'average' or 'poor' please specify the nature of the problem below

Feedback	SADIS Manager Comment
because we are using the old version so some icons are not operational	<i>This appears to relate to the users own software, and not the SADIS FTP.</i>
Due to the occasional delayed or missing SIGWX/upper winds data, as explained previously.	<i>Since 23 January 2025 SIGWX data has always been published by the 7-hour mark. There are occasions when the gridded data sets are running late.</i>

19. During the last year, did you need to contact the Service Desk?

	Percent
Yes	44.6
No	55.4

20. If your answer to question 21 was 'Yes', was the technical support provided by the service desk satisfactory?

	Percent
Yes	96.6
No	3.4

21. If your answer to question 22 was 'No' please explain the nature of the problem that was experienced

Feedback	SADIS Manager Comment
On occasion, we have noticed an issue/outage ourselves before the SADIS service desk has sent notification emails.	<i>Whilst there is comprehensive monitoring and alerting in place for the SADIS FTP system, it is possible that users may detect an issue before the SADIS provider does.</i>

22. Were SADIS administrative messages sufficient to keep you advised of the status of SADIS services?

	Percent
Yes	95.6
No	4.6

23. your answer to question 22 was 'no' please explain the nature of the problem

Feedback	SADIS Manager Comment
Administrative messages are usually late. Messages may be provided proactively.	<i>It is the nature of the SADIS service that sometimes administrative messages are only issued once something has gone wrong.</i>
The focal person has retired hence notifications are not reaching the operations team. A new person has been appointed (e-mail redacted) but we still are not receiving any notifications	<i>The SADIS manager needs to be informed of changes to where the admin messages should be sent. This contact information has now been updated for this user.</i>

24. When do you plan to transition to using the new SADIS API?

Feedback
We already tried to build a system to use SADIS API but not yet successful.
The transition to the new SADIS API reply is planned for 2028.
We have transitioned already. Waiting for the SADIS technical team to fix a bug before we use the API in production.
We have commenced transition to SADIS API, expect this to be complete over the next 12 months.
We are connected to the new SADIS API already on our test-system and are in the process to upgrade the operational system in Q1/Q2 2026. With this update we intend to use the SADIS API operationally, although we still need to do some tests beforehand, to supply our systems with the needed data. Mainly this is due to the fact, that no headers are used anymore for the gridded data and therefore we need to either update those systems to be able to handle the new files provided or preprocess the data before providing it to these systems.
Already done since April 2025
When our Briefing system has implemented the necessary changes to support the extra timesteps and higher resolution of the GRIB2-data and also when support for the IWXXM SIGWX has been added to the Briefing system (this will happen well before the BUFR cutoff date).

SADIS API will be used to download the new GRIB data set from 13 January 2025 onwards. Unsure yet when SADIS API will be used for OPMET and SIGWX data.
During 2026
As soon as we secure the purchasing of the SADIS API
We already use SADIS API, as we download all accessible grib data.
2028
The exact date is unknown, but likely by the end of the decade.
This year 2026 or 2027.
SADIS API already in use by our department.
After getting all information about it and capacity
In 2026
Q1/2026
We are very much on the edge to move; we are heavily testing and will soon transition to SADIS API fully, we are currently trying to adapt to the higher frequency of GRIB2 and SIGWX. Also, working in progress IWXXM product decoding and display.
The terms of reference relating to the SADIS API have been finalized and are pending validation
Yes,
2027
We are aiming the transition to the new SADIS API in Q1/Q2 2026.
We haven't planned it yet because we prioritize using data from WIFS
By end 2026
1. We used the SADIS API for OPMET data, but due to the latest changes (replacing ii by 99 in TTAaii headers) we were forced to abandon it. 2. We use SADIS API for Temperature/Wind and special (CAT, CB, ICING) maps processing 3. We would be very interested in continuing to receive SIGWX charts in PNG format with SADIS API (in the same way we receive them via FTP). Unfortunately, SADIS API only provides these charts in IWXXM format/
At the end of 2026, at latest beginning 2027.
Not yet planned
We are in the process of installing a new SADIS Hardware/Software from a different vendor and we hope that this will solve the IWXXM and API compliance problem
We signed an agreement to use the SADIS API this year. We plan to fully transition to using data from the SADIS API in 2026-2027.
We are already using SADIS API services
Foreseen with the upgrade of our forecaster workstation. Implementation date: June-2027.
Preliminary Plan: 1. Register for the new SADIS API in 2026; 2. Trial usage in 2027.
We have a contract to upgrade our system to handle next-generation data SADIS API and we expect to begin testing it at the end of the 2025 and the first half of 2026. We don't yet know how long it will take to adapt it for operational use.
In the next two years, depending on the time frame of upgrading the system we use for receiving and visualizing data from the SADIS.
We plan to transition to the new SADIS API within the next 12 months, subject to internal system readiness and coordination.
Not earlier than 2027
We are still in the planning stages for this transition, hopefully within 2026.
We still working on the plan
By 2027
We are plan to start using SADIS API at 2027.
Until the end of 2025

We are currently having this task under our IT team. Although we are already registered and we did test the connection successfully, we are not downloading the data operationally yet.
Already using SADIS API for GRIB and SIGWX IWXXM. For OPMET - testing in 2026 with possible switching from SADIS FTP to SADIS API by the end of the year.
We plan to migrate to new SADIS API before 2030.
In the next two years, depending on the time frame of upgrading the system we use for receiving and visualizing data from the SADIS.
Within the current year, we had included such within our (IS) program.
We started receiving data from the SADIS API during 2025.
We have already gotten licenses on SADIS API. We are held back by our vendor who is working towards fulfilling our requirements with their application. Set up to start as soon as our vendor supplies relevant software for user interface
Towards the end of the year.
We cannot specify due to war
In march of 2026 if the data can be understood by our atcc software
Work started in 2025 to enable transition to SADIS API. Due to differences in data between SADIS FTP and SADIS API the activity has been delayed. Validation is ongoing and transition will be planned as soon as the tests are satisfactory completed.
We will look into this option and we will need to raise awareness inside our organisation for this option.
Мы планируем перейти на API SADIS после того как перейдем на новый формат IWXXM. <i>Translation: We plan to migrate to the SADIS API after we switch to the new IWXXM format.</i>
We plan to transition to the new SADIS API by the end of 2026.
We have access to the API since November 2025. To note: concerning the implementation we experience some technical challenges on the internal processing of the data, especially as the 'regular' bulletin headers are not being used. Our team and the external provider of the system are investigation how to solve this.
2026
Early 2027
The transition to the API protocol has already been completed.
We do not plan to transition to using the new SADIS API in the short term, as it requires a software upgrade, but a project to upgrade the software was suspended due to war. It will be resumed after the war end, provided sufficient financial resources are available.
We are already using the SADIS API in parallel with the SFTP service.

25. If you have any additional comments or feedback on the current SADIS service please write them below.

Feedback	SADIS Manager Comment
SADIS FTP was very preferred service for many users across the world and has been very successful and easier to work with.	<i>Thank you</i>
The transition period before the implementation of the new SIGWX format was too short, which has penalized some MET centres that continue to use SADIS FTP.	<i>The original SIGWX forecasts are being maintained on SADIS FTP until SADIS FTP itself is retired at the end of 2028.</i>
While the availability of the data on SADIS is generally good, incidents did occur which may impact the operation of downstream users and should be reduced in long term: 1. There are two cases of incomplete data from WAFS London. (10 June 2025 18Z run and 11 June 2025 06Z run)	<i>There can be occasions where there are delays or issues with the production of the WAFS data sets. Some of these resulted from</i>

2. There are seven cases of non-harmonized version of CB, Icing and Turbulence WAFS forecasts in GRIB2 format. (20 Jan 2025 00Z run, 20 Jan 2025 06Z run, 13 Feb 2025 06Z run, 14 Mar 2025 06Z run, 14 Mar 2025 18Z run, 23 Jul 2025 12Z run and 26 Aug 2025 12Z run)	<i>a fault with the production of tropopause data.</i>
Everything works great, thank you.	<i>Thank you</i>
We would like to express our appreciation to the entire team and especially to the Ms. Karen Shorey, SADIS Manager for the excellent quality of service.	<i>Thank you</i>
The current SADIS FTP service has been stable and dependable, providing consistent access to essential aeronautical meteorological data. It has effectively supported operational forecasting and regulatory oversight activities.	<i>Thank you</i>
We want to have products (icing and turbulence) from WAFS LONDON and Washington 0.25.	<i>These are available on SADIS FTP.</i>
The FTP service runs smoothly and reliable. The system and admin messages are working fine, no significant issues experienced. Keep up the good work! The importance and usability of the SADIS administrative messages is highlighted.	<i>Thank you</i>

26. If you have any suggestions about how to improve the SADIS service in future, please write them below.

Feedback	SADIS Manager Comment
We need support for capacity building to harmonize our technical practices with other countries.	<i>This should be delivered through the ICAO regional meteorological groups. Please ask them for assistance.</i>
With the new SADIS API, we noticed that our clients are very skeptical on its usage as they lack the capability to interpret the data in IWXXM as they could do earlier in TAC. As from my experience with the clients they are very new to the idea of using API or how to use this APIs. This has created a significant gap for the adaption. May be SADIS service can run conference or tutorial for the end users and usage of API, on how they should select the packages, what packages are relevant for what type of data ..etc This will be also useful.. Because it may come as a surprise, but some clients did not know or realise about the move to SADIS API until we discussed and informed them.	<i>All existing SADIS FTP users have been informed about the introduction of the SADIS API via administrative message. Further reminders will be issued periodically. Comprehensive instructions for using the SADIS API are in the SADIS API user guide. The coding required to make API requests is quite straightforward for any developer used to API's.</i>
Significant improvements have been introduced with the SADIS API, and its implementation in Gabon is expected	<i>Thank you</i>
We have no offers. Thank you for your cooperation.	<i>Thank you</i>
We currently have no suggestions for improving the SADIS service; we are completely satisfied with all aspects of it.	<i>Thank you</i>

To further improve the SADIS service, it would be beneficial to enhance user guidance and technical documentation for the new API transition, including step-by-step implementation manuals and training materials.	<i>This is provided to users once they have completed the SADIS API registration process. A copy of the user guide is also posted on the Met Office SADIS API webpages.</i>
To improve the accuracy of CB forecasts in AFRICA.	<i>The underpinning forecast capability is always under review. An upgrade to the Met Office global model in February 2026 may bring an improvement in the forecasting skill for cumulonimbus clouds in Africa.</i>
The office of SADIS Manager should support the transition for the organization that seem not ready to transition due to lack of information or lack of technical support to ensure the migration shall be smooth. The SADIS API has improved surfaces that should be embraced by all user of SADIS system.	<i>The SADIS manager is available to answer questions related to migration to the SADIS API. Comprehensive instructions are in the SADIS API user guide.</i>
It is comforting to know that WAFC will continue to make OPMET data available in the TAC format. Is there an overview of current bulletin headers and the new bulletin headers as available on SADIS API?	<i>The next update to the SADIS OPMET catalogue is expected to contain OPMET bulletin headers as available on the SADIS API. TAC format OPMET will be made available for at least as long as it is published on the Aeronautical Fixed Service.</i>
Extend the SWM products (middle SIGWX) to Africa area	<i>The BUFR data for SIGWX does now cover the globe. There are only four fixed areas for the SWM charts, and this will not be changing.</i>