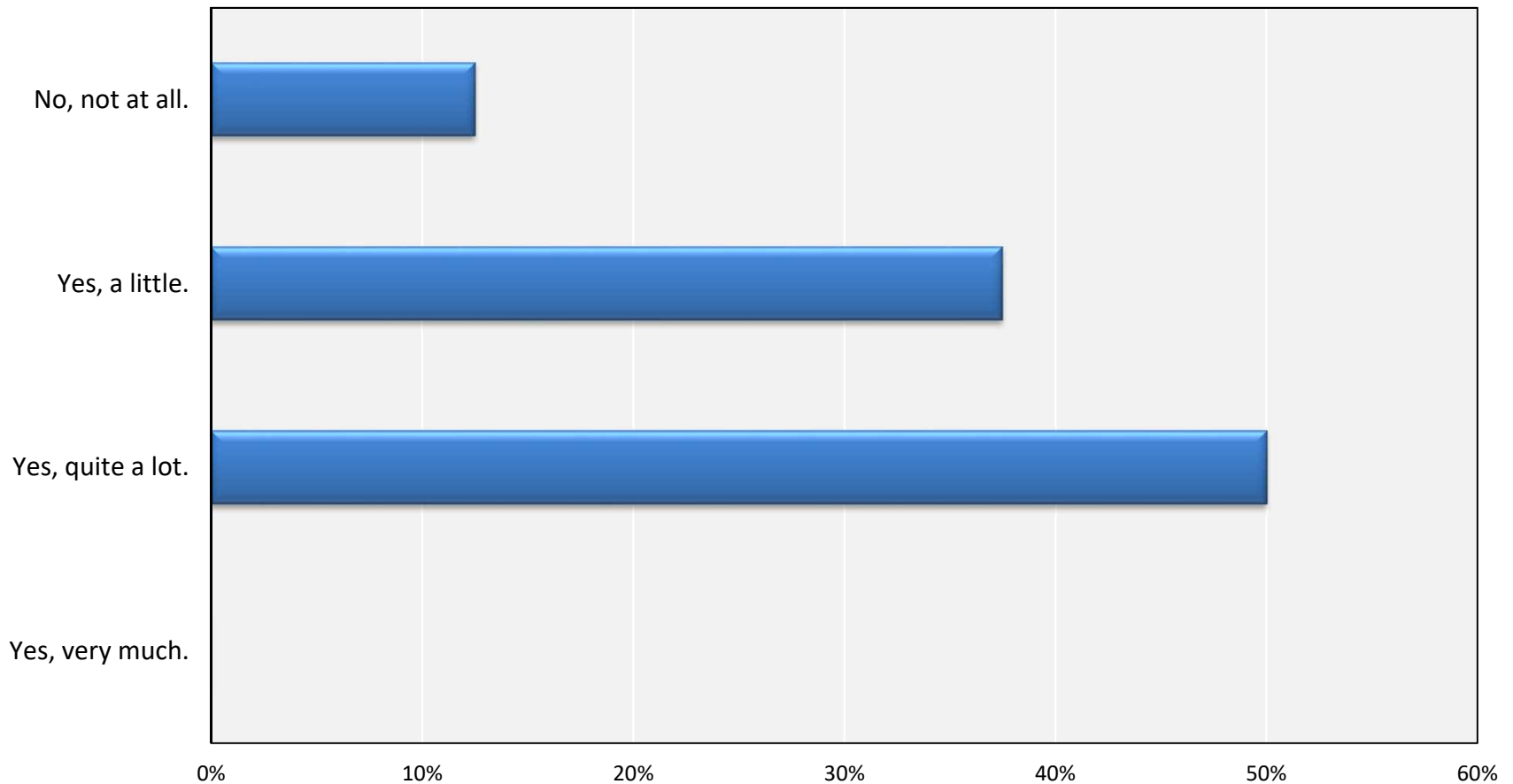


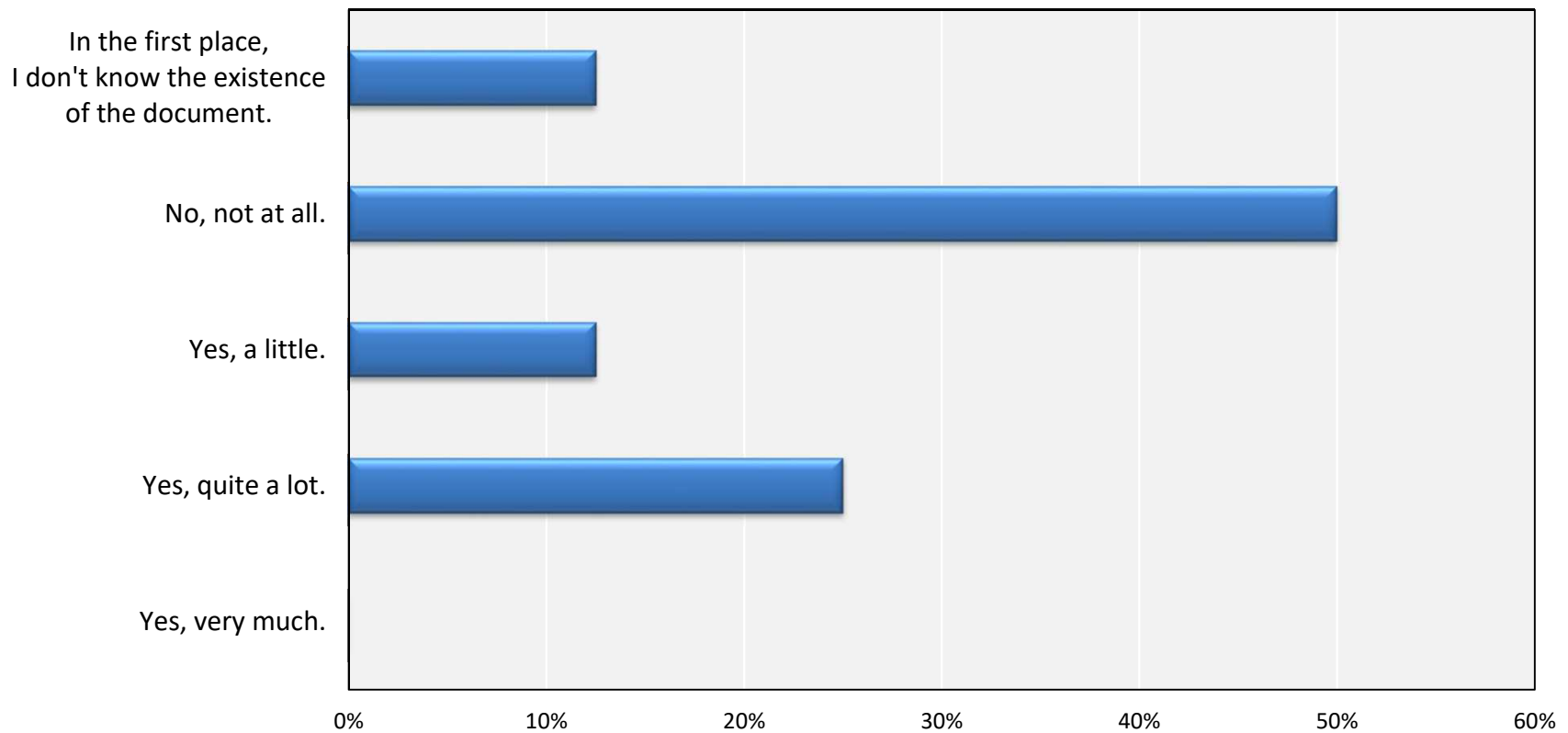
Summary of the Preliminary Questionnaire for the JMA WIS Workshop

- 1. Please tell first about your recognition of WIS 2.0 at the present moment in order to confirm how much understanding will have progressed in this workshop.

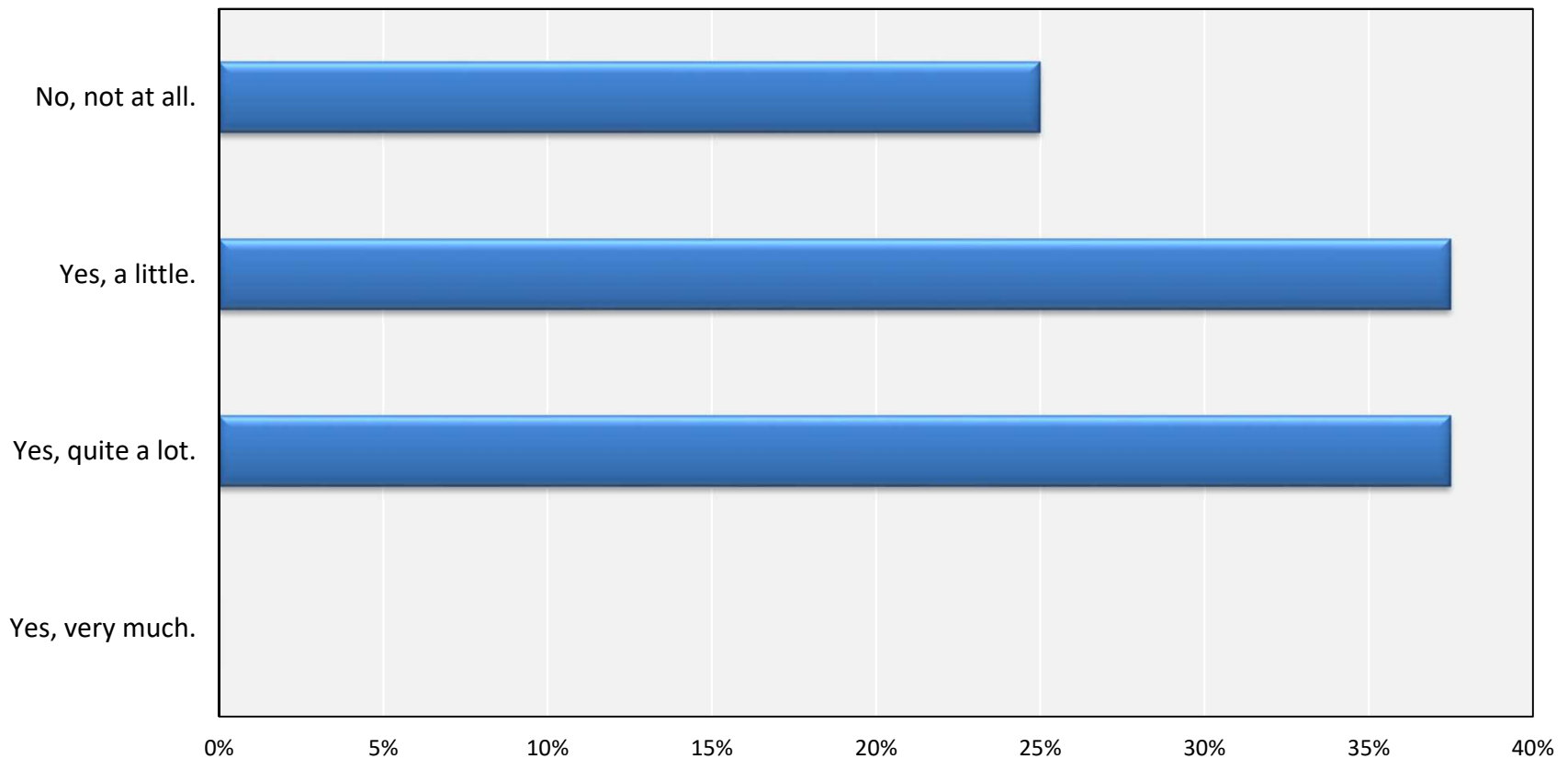
1.1. Do you know about the initiatives for WIS 2.0?



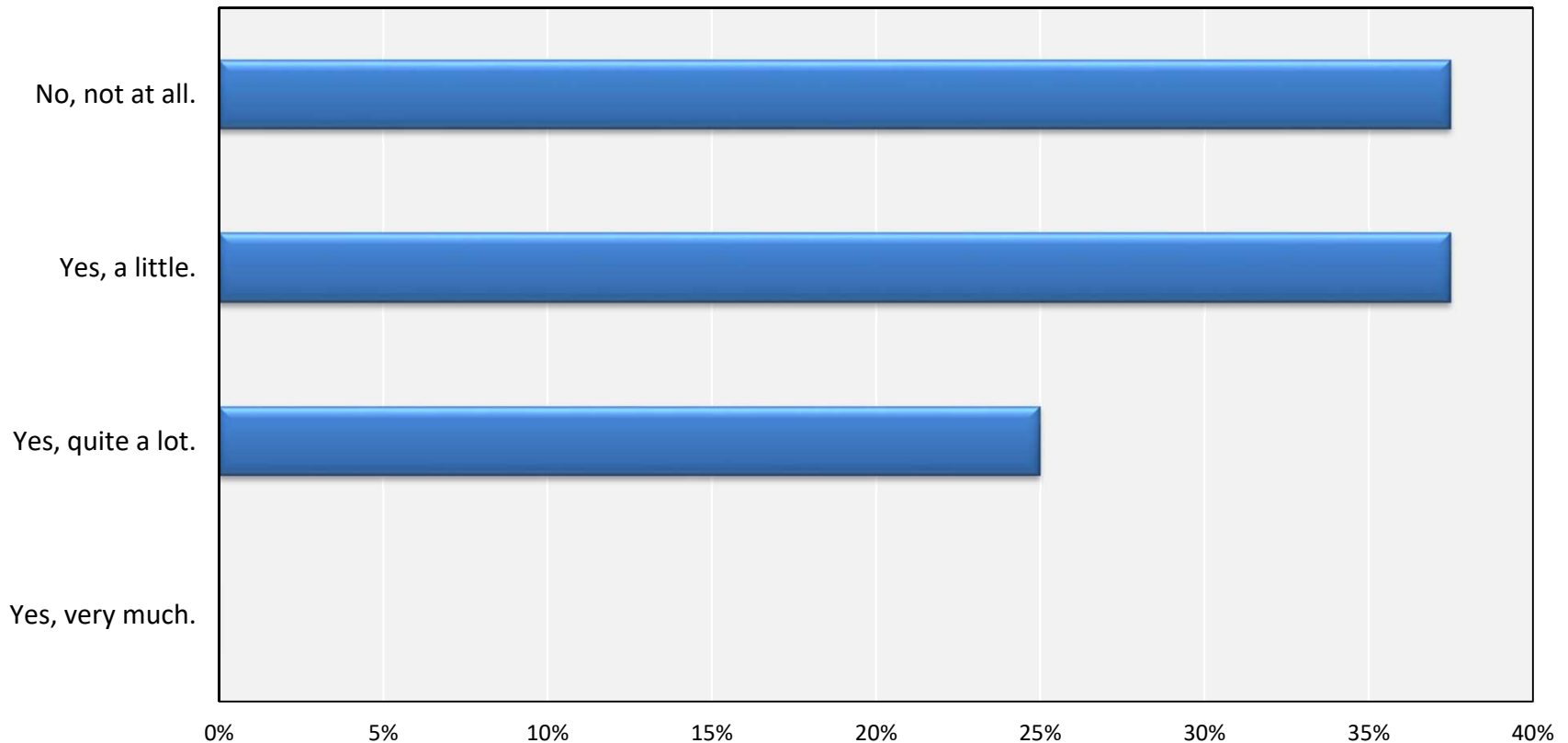
1.2. Have you looked through the WIS 2.0 implementation plan was already approved by WMO EC-73 (14-25 June 2021)?



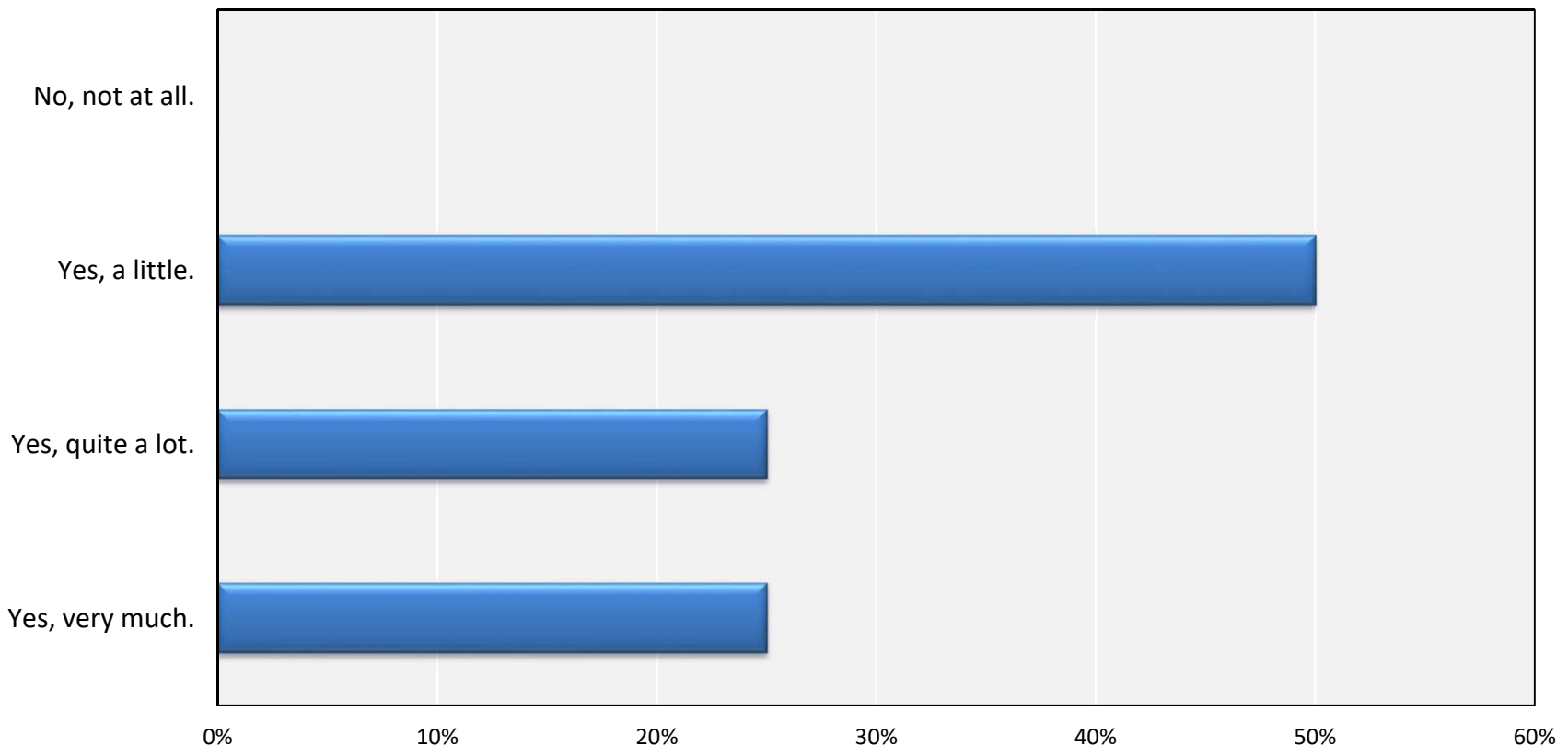
1.3. Was it possible to grasp the whole picture of WIS 2.0 with the WIS 2.0 Implementation Plan?



1.4. Did you understand that what is mentioned in the WIS 2.0 Implementation Plan has implications for your country?



1.5. Are you worried about abolishing the WMO abbreviated heading like TTAii? Also, please give the reasons.



1.5. Are you worried about abolishing the WMO abbreviated heading like TTAAii? Also, please give the reasons.

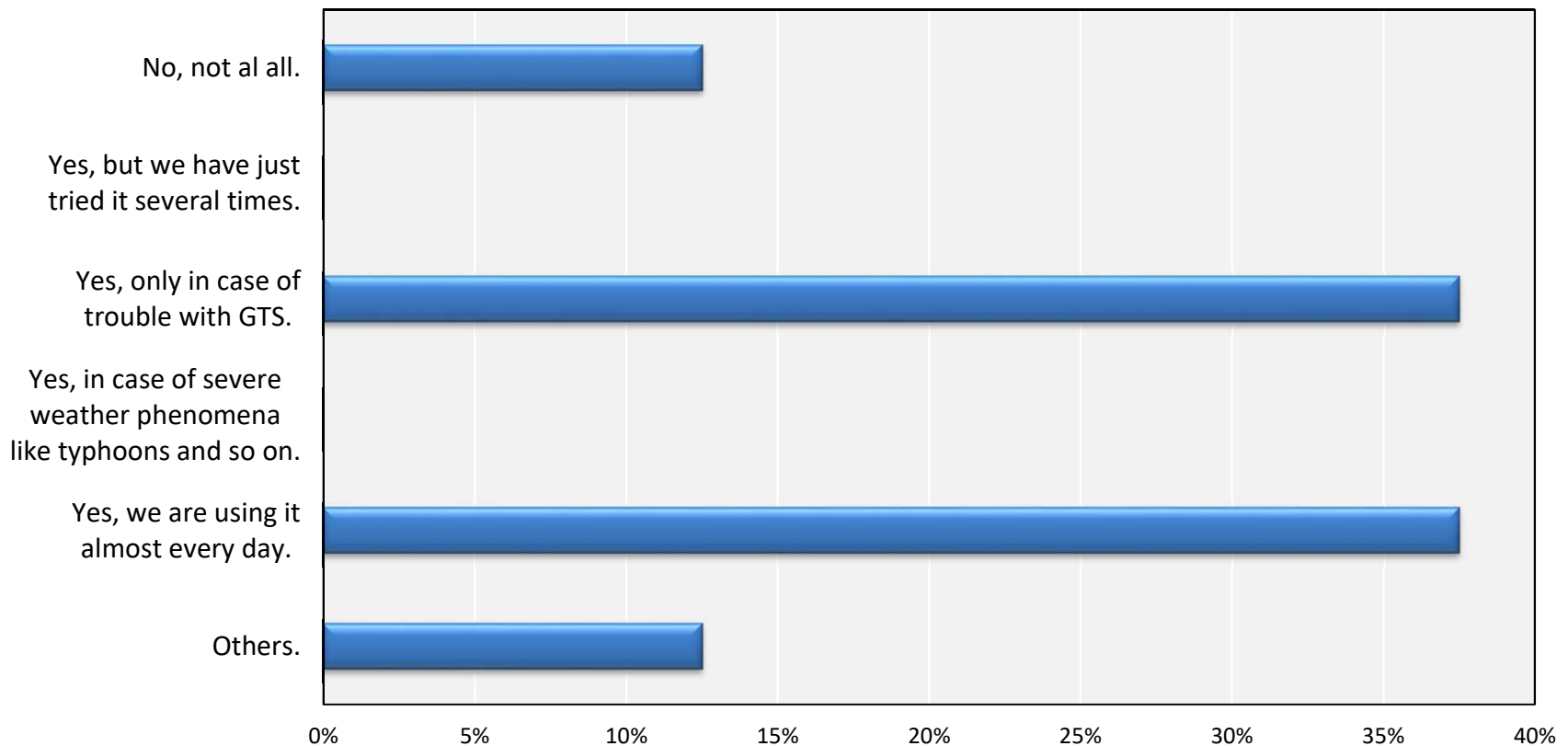
- Reason:
 - We send data by GTS System
 - Some old system still use heading TTAAii
 - We are not sure what will replace TTAAii systematically. There may be a big issue on ICAO side, unless ICAO continues to use the TTAAii.
 - We currently lack staff with clear understanding of WMO metadata so any changes will be very difficult
 - Some of the programs or applications being used by the office depends on the header TTAAii
 - Taking new measures will be a challenge.

1.6. Please describe if you have any questions or comments about the WIS 2.0 Implementation Plan Approach.

- What is advantage and disadvantage between current WIS and WIS 2.0?
- In WIS 2.0, we are not sure about the roles of NC, DCPC (RTH) and GISC. Do they still exist? To publish data, does it consider coming from observational stations directly? In national level, does it need someone to collect and validate data before distribution (publish) his/her national data to the network of WIS 2.0?
- We don't know much about it.

- 2. For the improvement of the current GISC Tokyo service, please tell us about the status of utilization in your organization and so on.

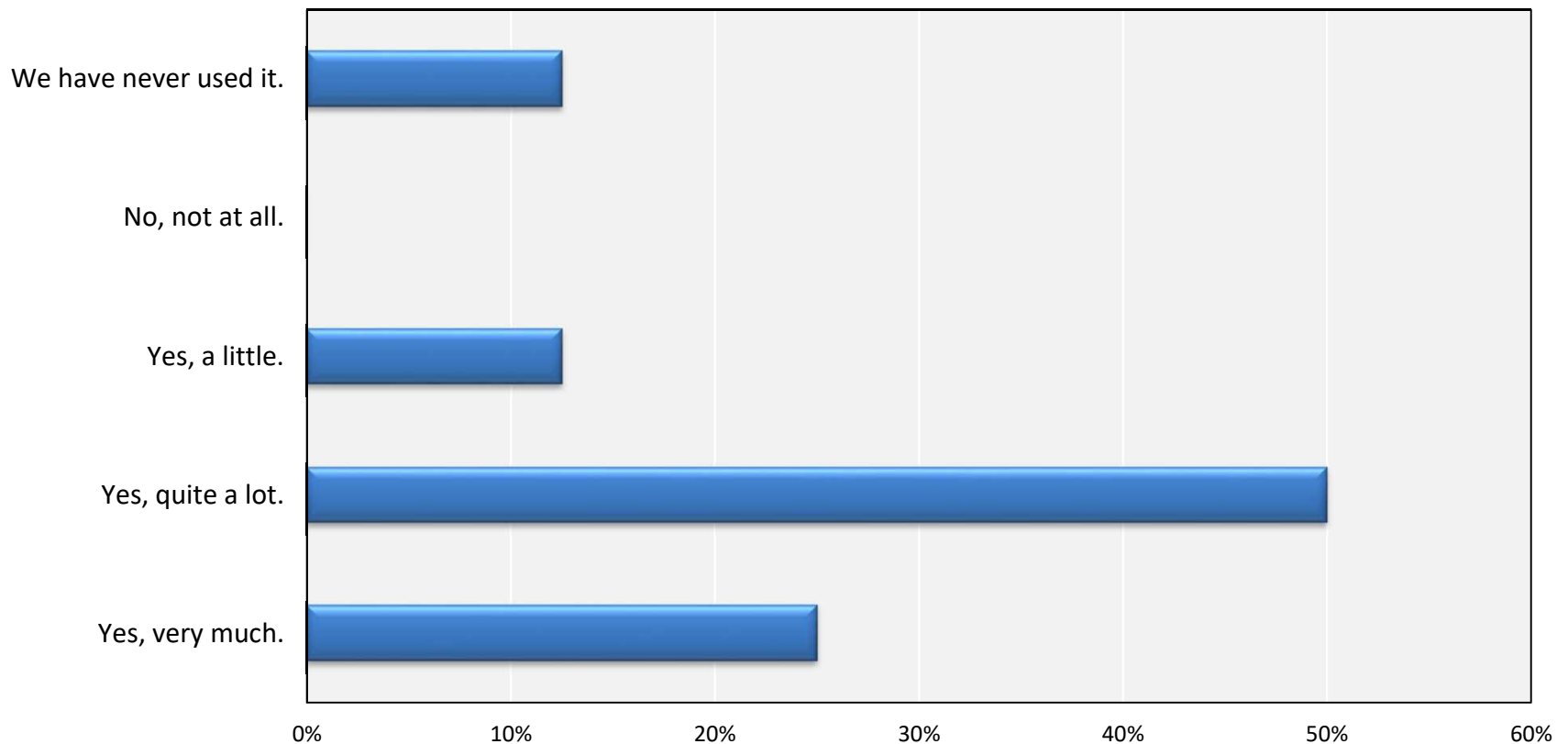
2.1. Have you ever used GISC Tokyo's 24-hour cache service? Also, please give the reason, if any.



2.1. Have you ever used GISC Tokyo's 24-hour cache service? Also, please give the reason, if any.

- Others:
 - To check GTS data
 - To make sure that data is available in anytime
 - As simultaneous to GTS
 - Some times we face trouble to get data from RTH

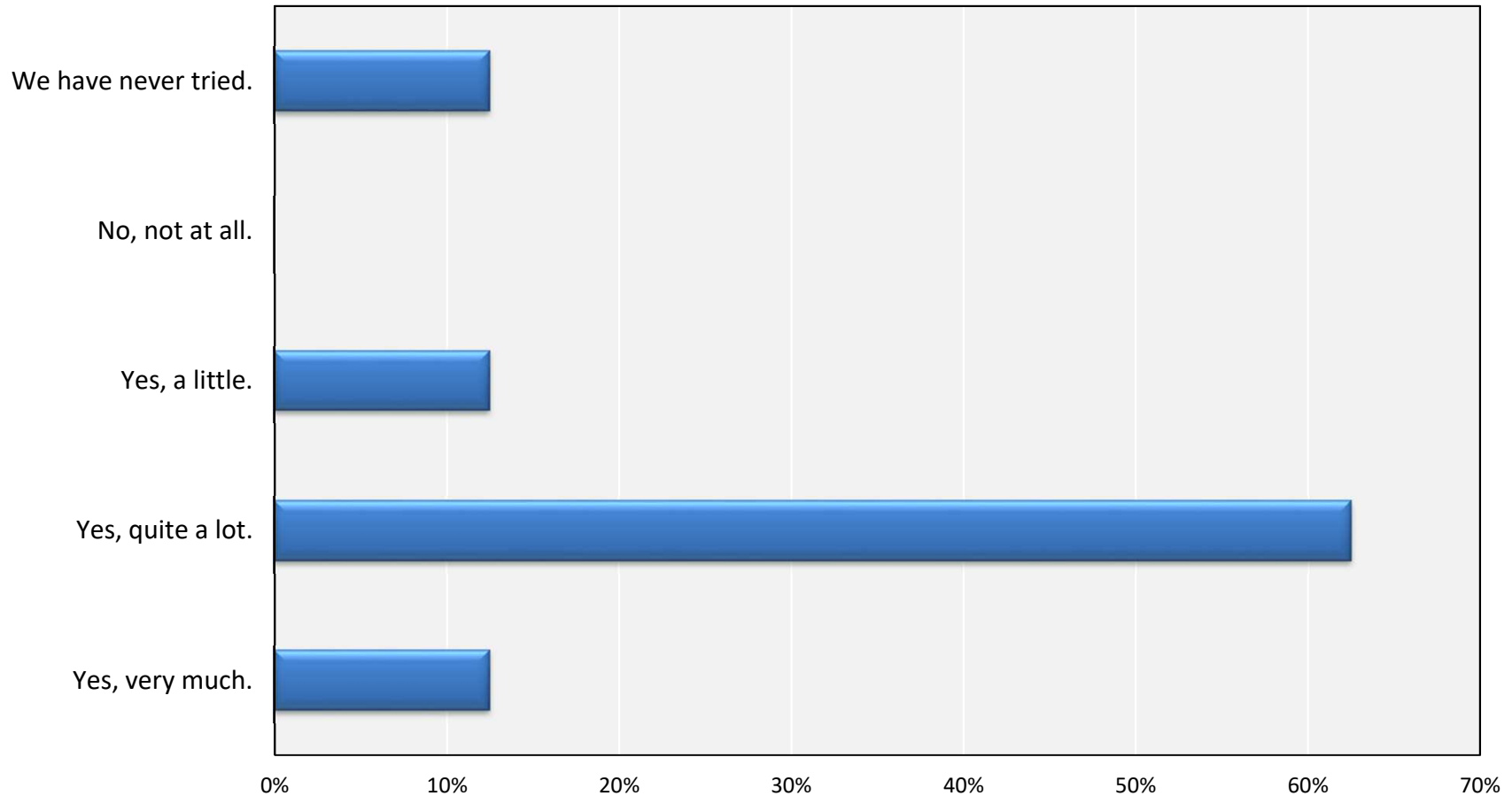
2.2. Do you feel the current user interface is good for you? Also, please give the reason, if any.



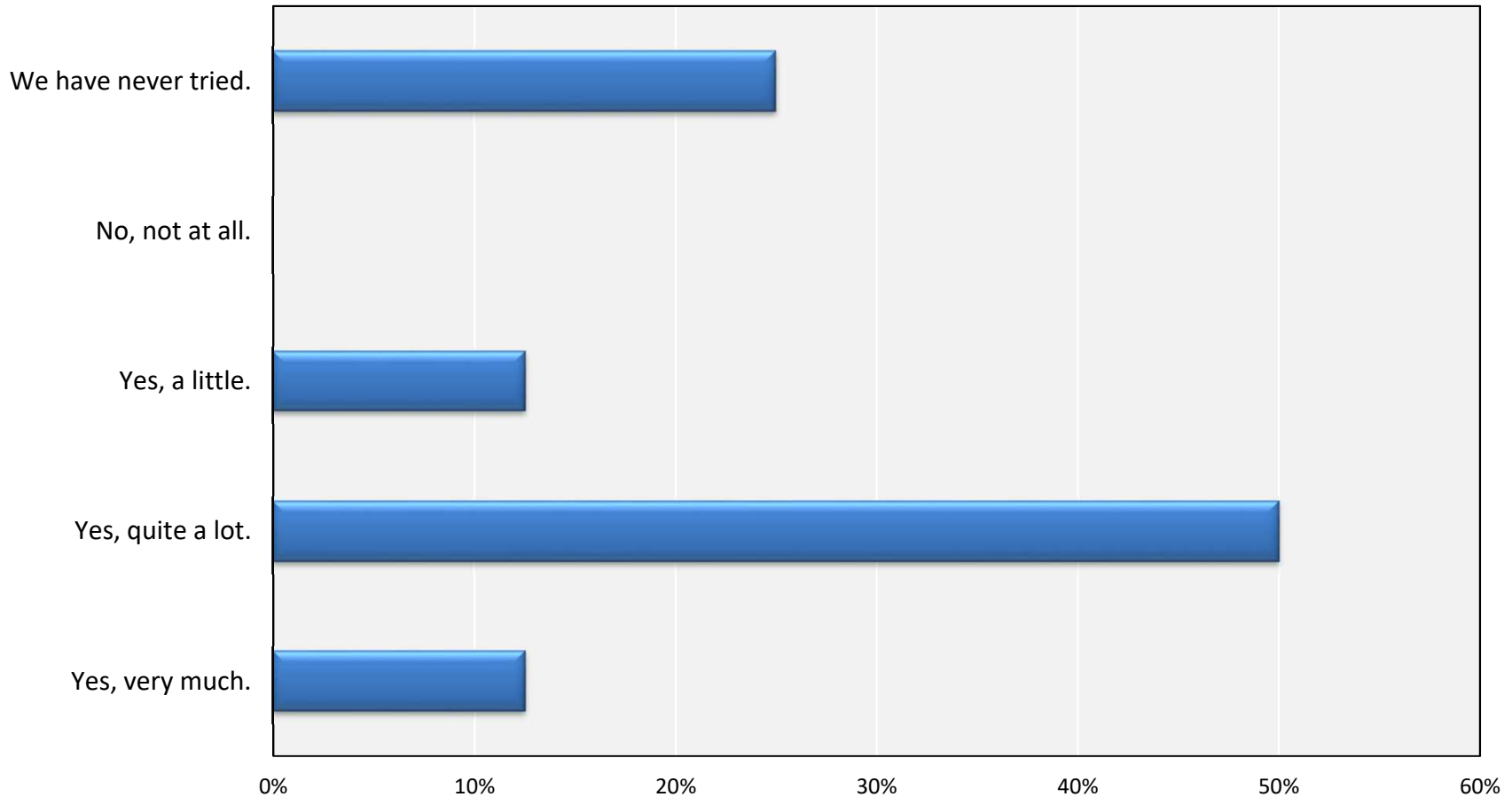
2.2. Do you feel the current user interface is good for you? Also, please give the reason, if any.

- Reason:
 - Easy to use
 - We are very familiar with it.
 - None at the moment

2.3. Were you able to find the necessary data on the site of GISC Tokyo?



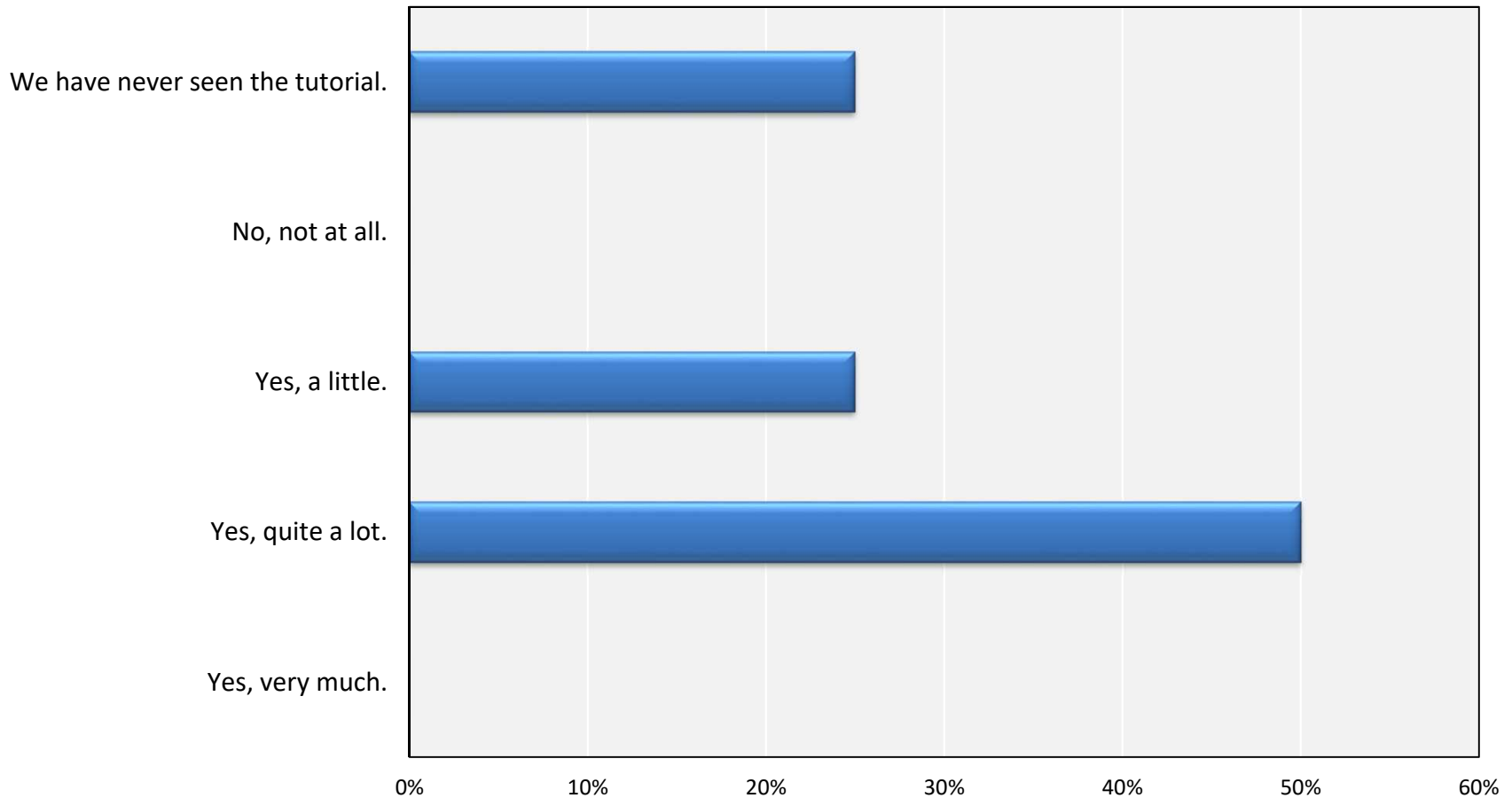
2.4. Were you able to subscribe easily? Also, please give the reason, if any.



2.4. Were you able to subscribe easily? Also, please give the reason, if any.

- Reason:
 - Searching function
 - We are very familiar with it.
 - None at the moment

2.5. Was the tutorial easy to understand? Also, please give the reason, if any.

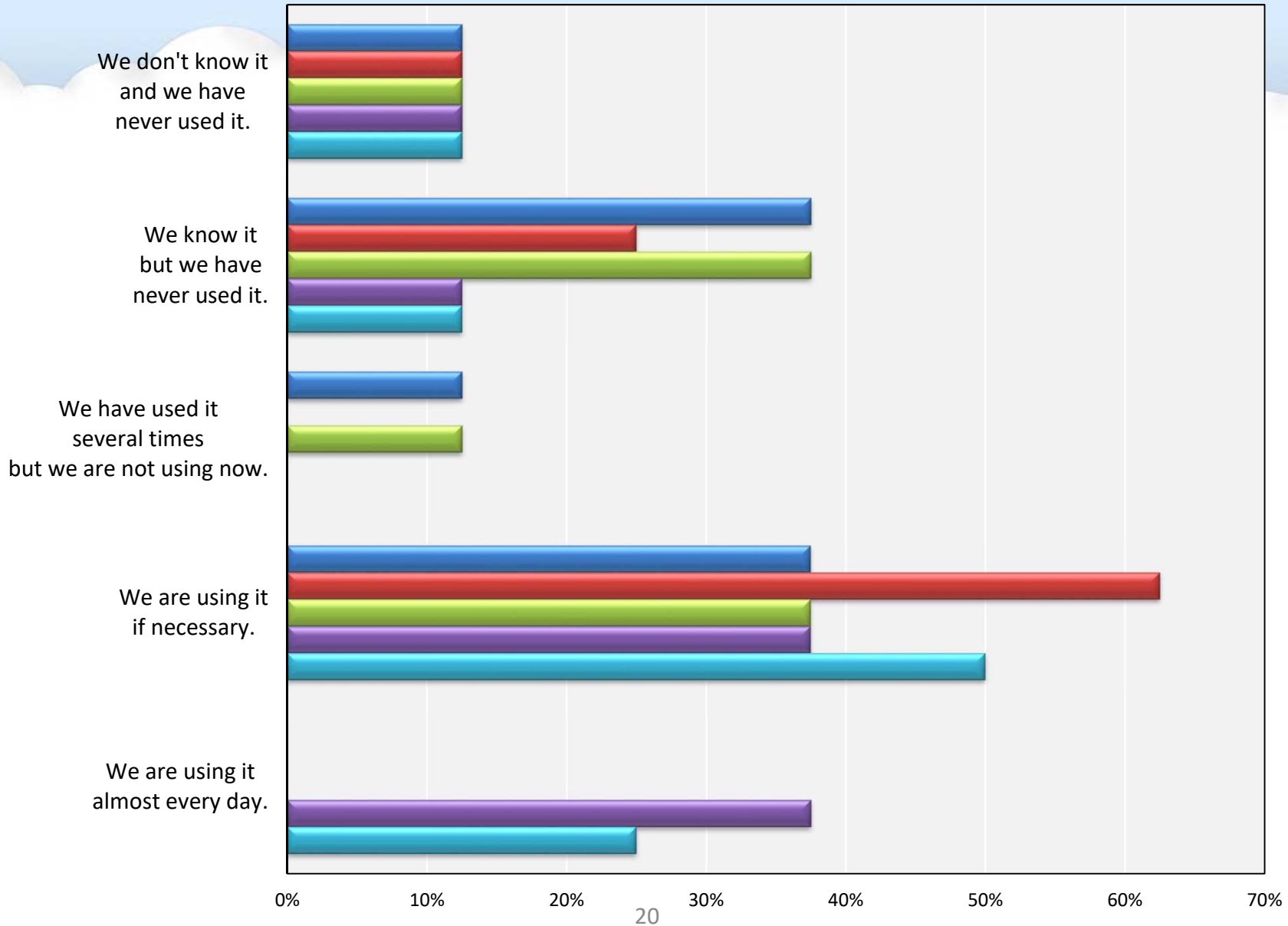


2.5. Was the tutorial easy to understand? Also, please give the reason, if any.

- Reason:
 - No time to look more detail
 - It is not difficult if you follow the tutorial.
 - None at the moment
 - We are not aware of it.

2.6. Have you ever used other services of GISC Tokyo?

■ Sample shell script creation for subscription ■ Search by metadata ■ Help desk ■ SATAID service ■ JMA High-Resolution GSM Data Service



2.7. Please describe points you are satisfied or dissatisfied with the services of GISC Tokyo.

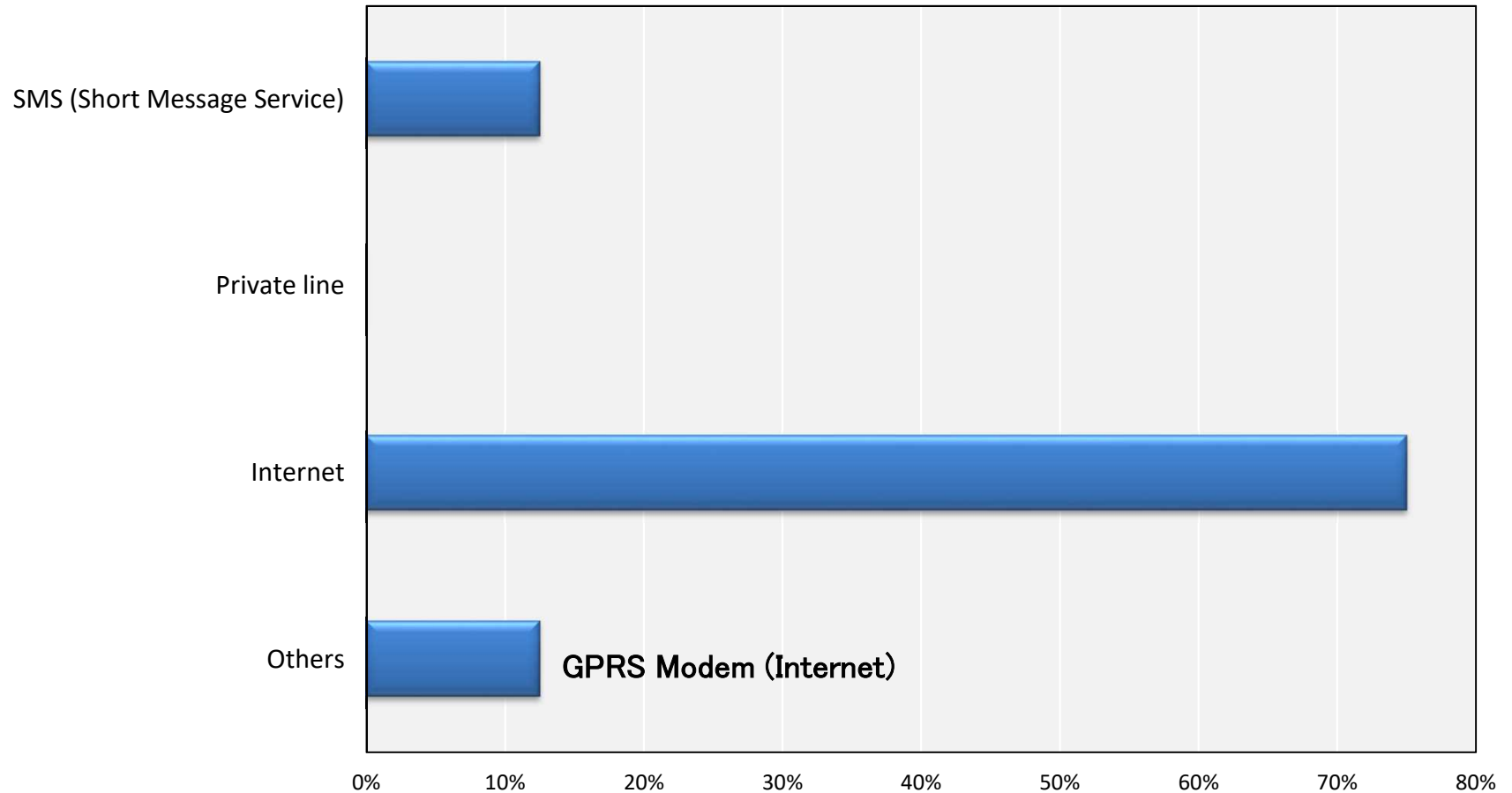
- Easy to access
- Any kind of data that we are looking for, they are usually available at GISC Tokyo. We are also able to get them by either manually search or using script in very short time. This is very helpful for our operation.
- We are very satisfied with the services of GISC Tokyo
- We are satisfied as per our requirement.

2.8. Please describe additional service you would like, if any.

- Alternative channel in emergency case, such as email or others, to send data to GISC Tokyo.
- No additional services are required yet.

- 3. Please tell us about other information for communication.

3.1. How do your organization collect domestic observation data?

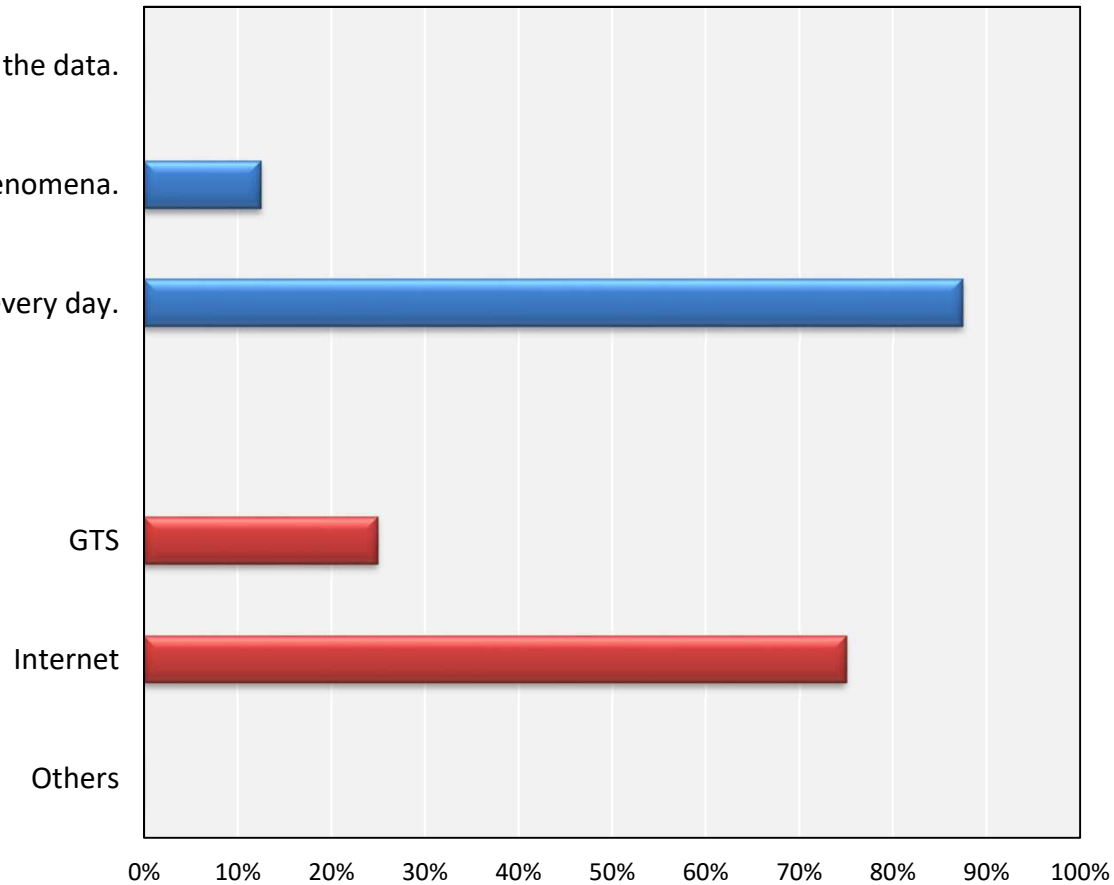


3.2.1. Numerical prediction data other than JMA (ECMWF, UKMO, NCEP, etc.)

We don't acquire the data.

We use the data in some cases such as severe weather phenomena.

We are acquiring the data almost every day.



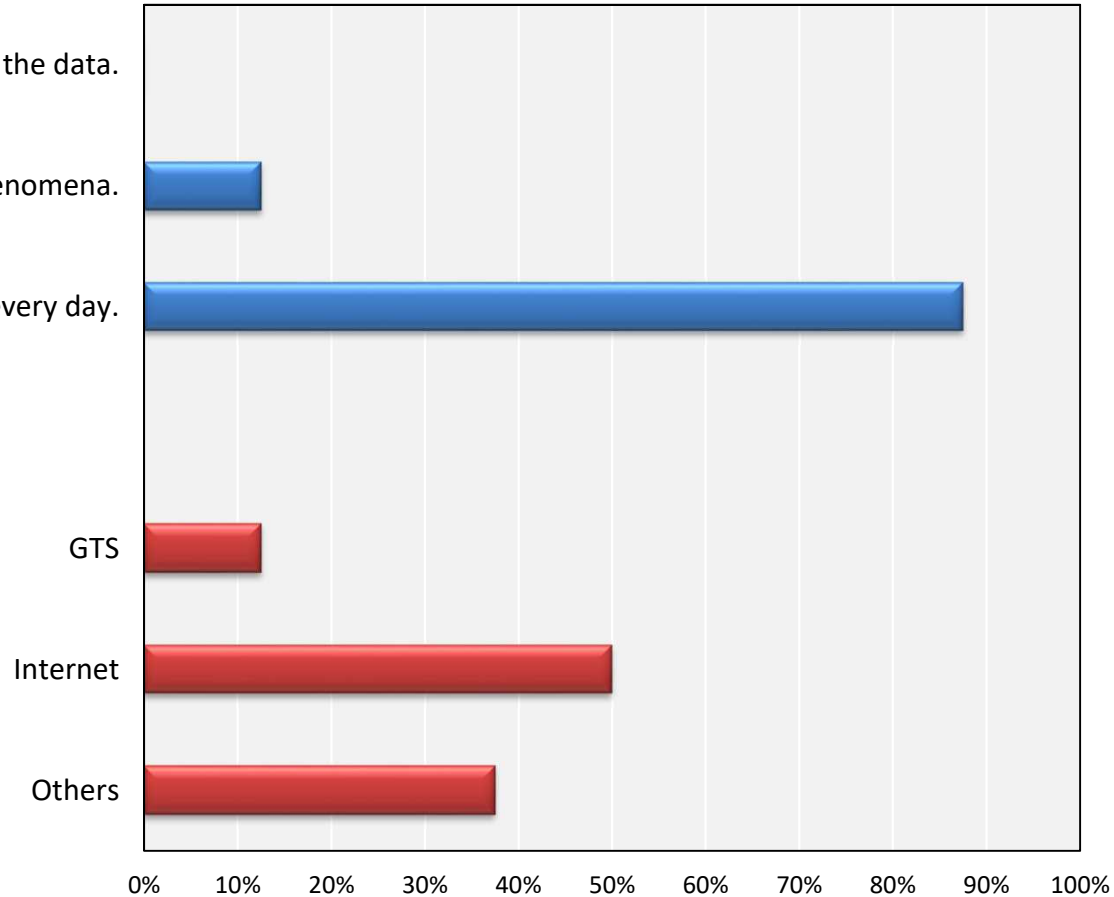
- ECMWF
- ECMWF IFS
- ECMWF, UKMO, NCEP
- Model output data from ECMWF & NCEP

3.2.2. Geostationary satellite images (IR, VIS, etc.)

We don't acquire the data.

We use the data in some cases such as severe weather phenomena.

We are acquiring the data almost every day.



- Himawari cast reception system
- Typhoon
- Another division is using it.
- SATAID
- IR
- Himawari, CMACast
- EUMETSAT

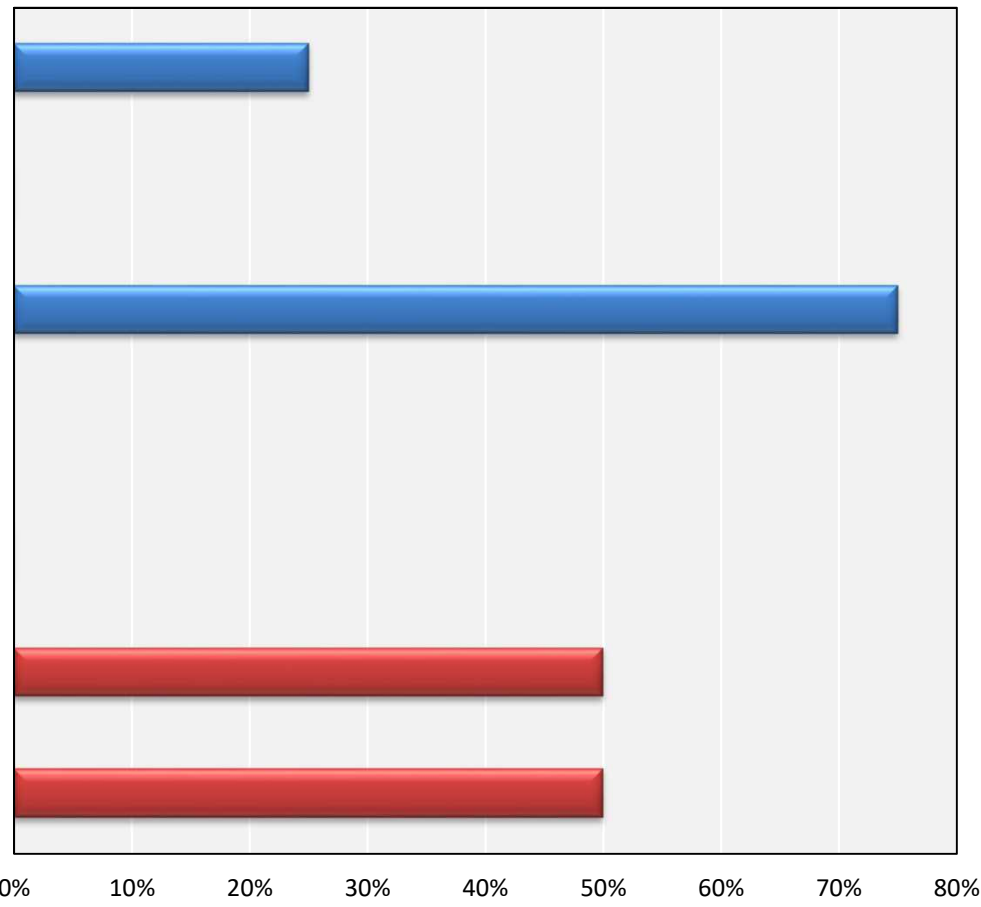


3.2.3. Geostationary satellite data (albedo, TBB, etc.)

We don't acquire the data.

We use the data in some cases such as severe weather phenomena.

We are acquiring the data almost every day.



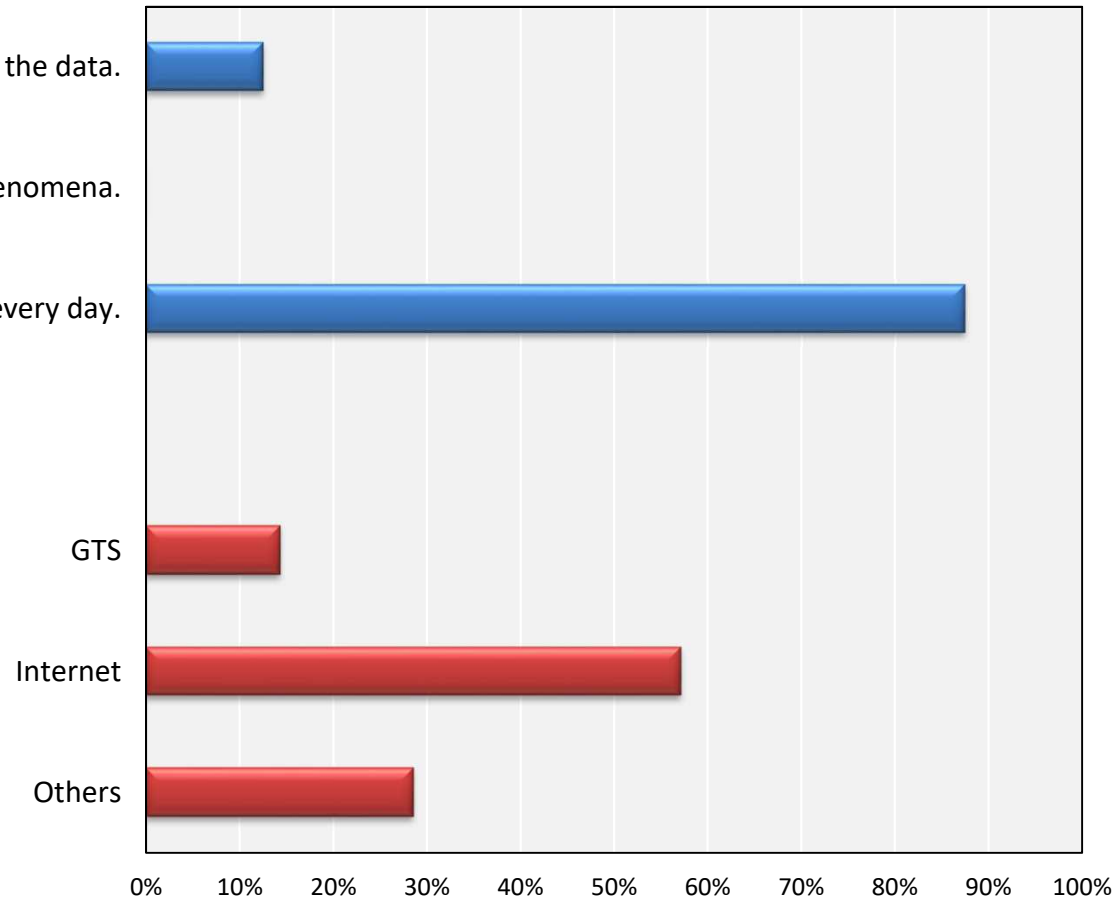
- Himawari cast reception system
- Another division is using it.
- Albedo and TBB from Himawari Standard Data
- Albedo
- Himawari, CMACast

3.2.4. Geostationary satellite retrieval products (SST, AMV, etc.)

We don't acquire the data.

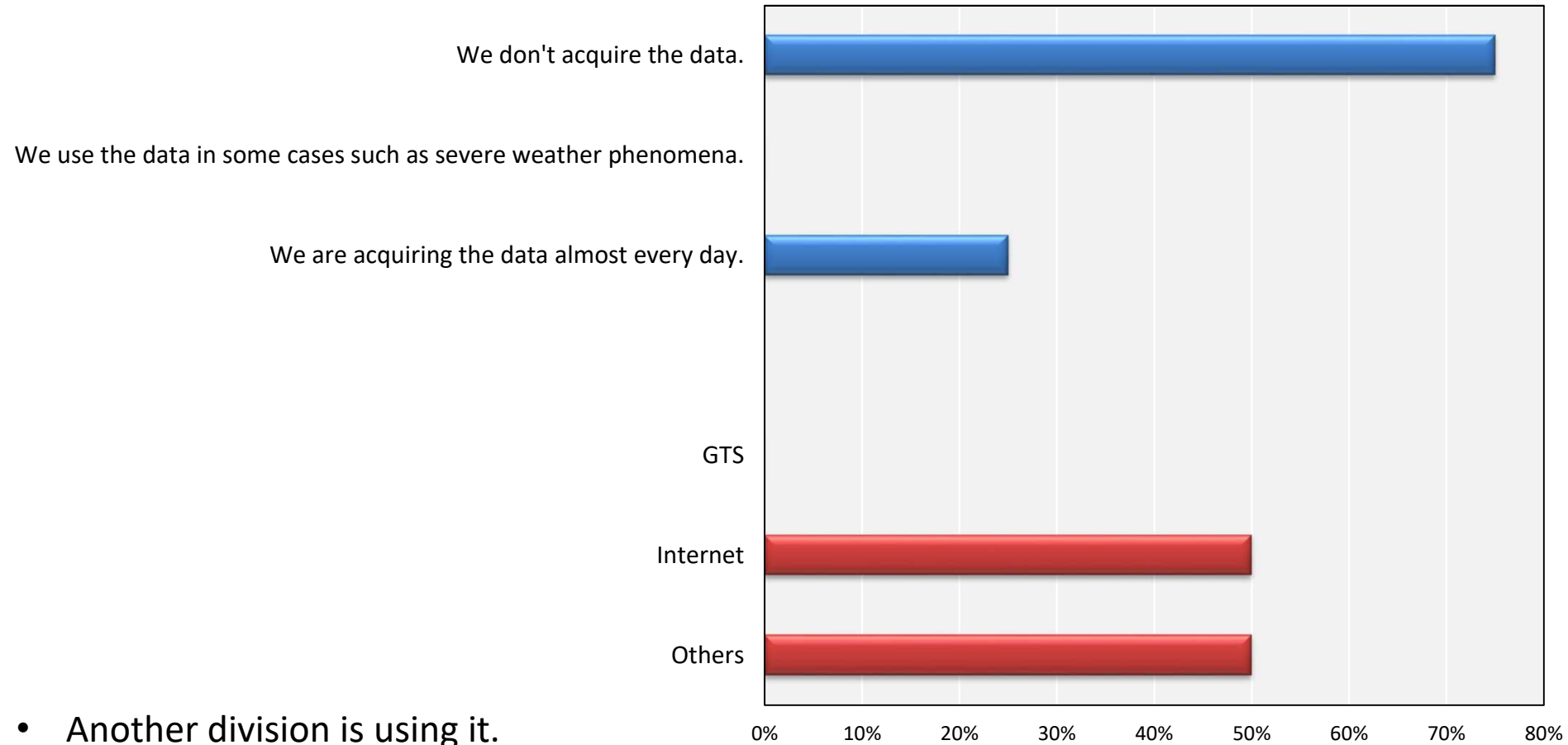
We use the data in some cases such as severe weather phenomena.

We are acquiring the data almost every day.



- AMV
- Another division is using it.
- AMV, CSR
- Himawari, CMACast

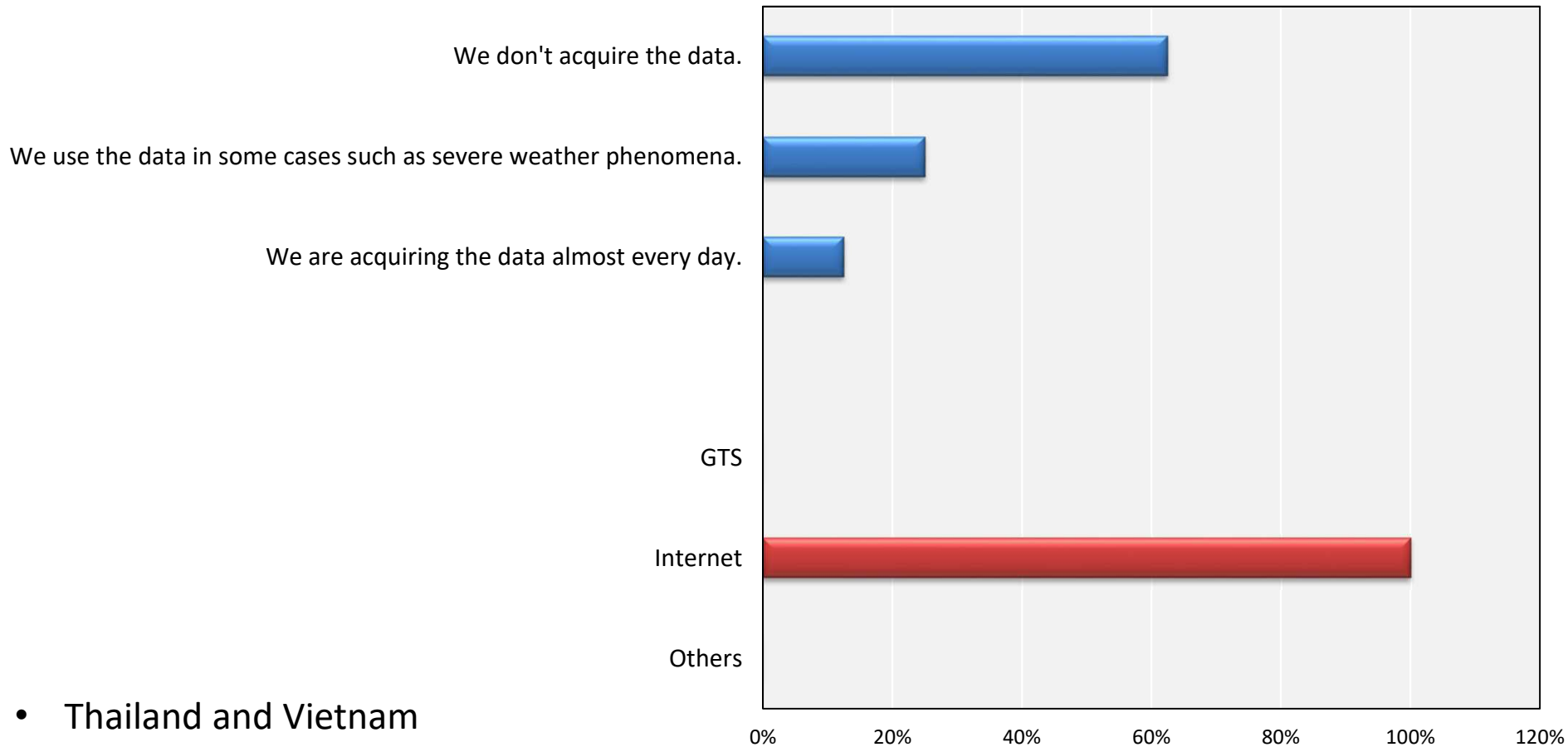
3.2.5. LEO satellite data (NOAA, Metop, GCOM-W, etc.)



- Another division is using it.

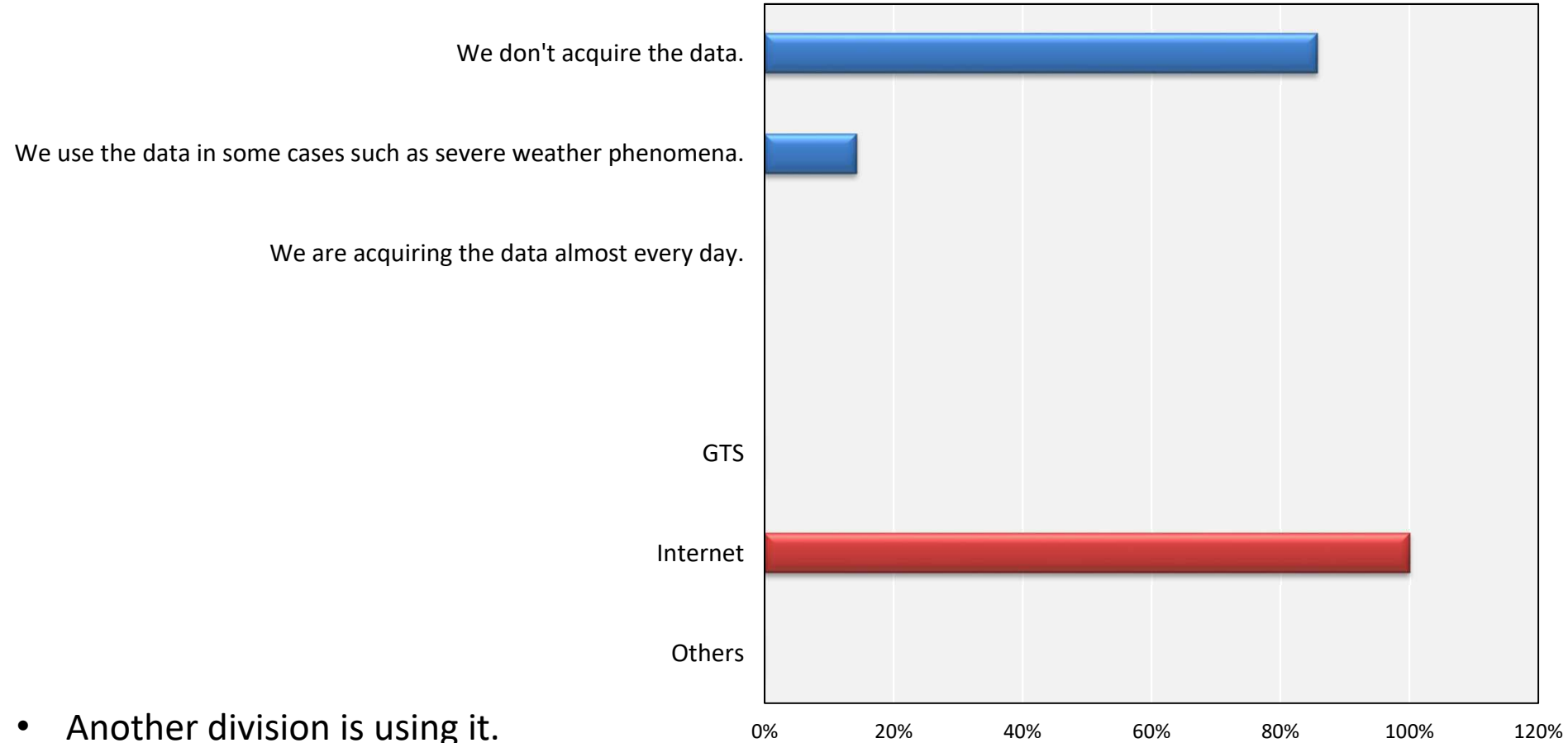


3.2.6. Radar images of foreign countries



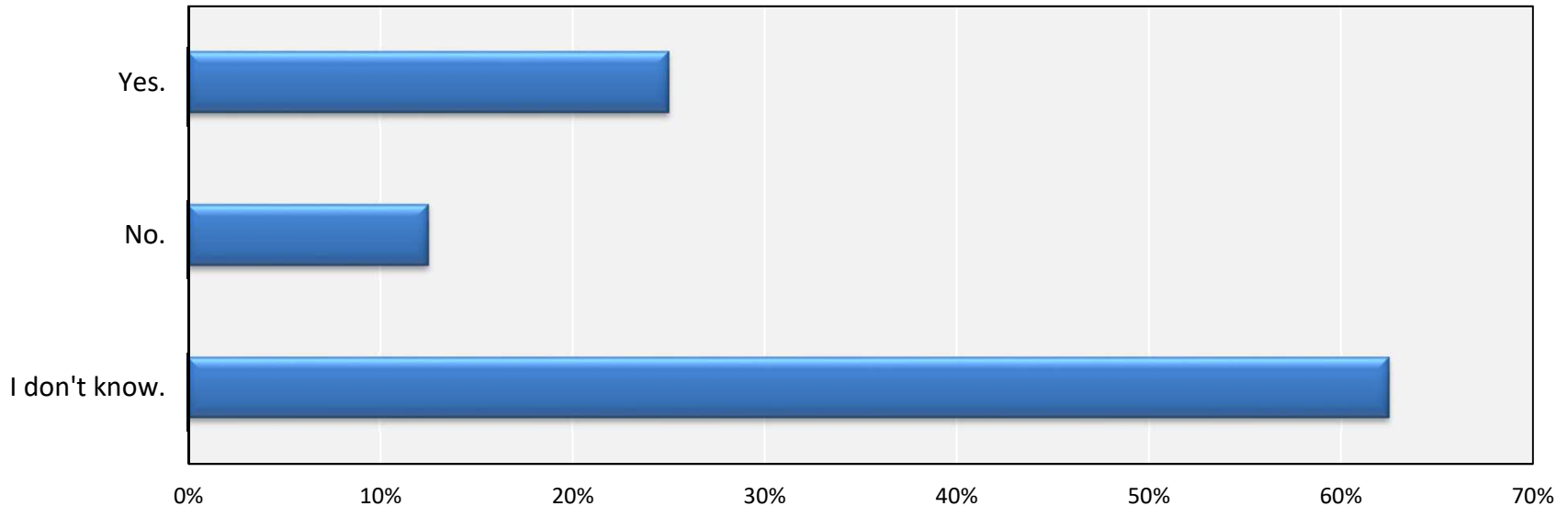
- Thailand and Vietnam
- Another division is using it.

3.2.7. Others



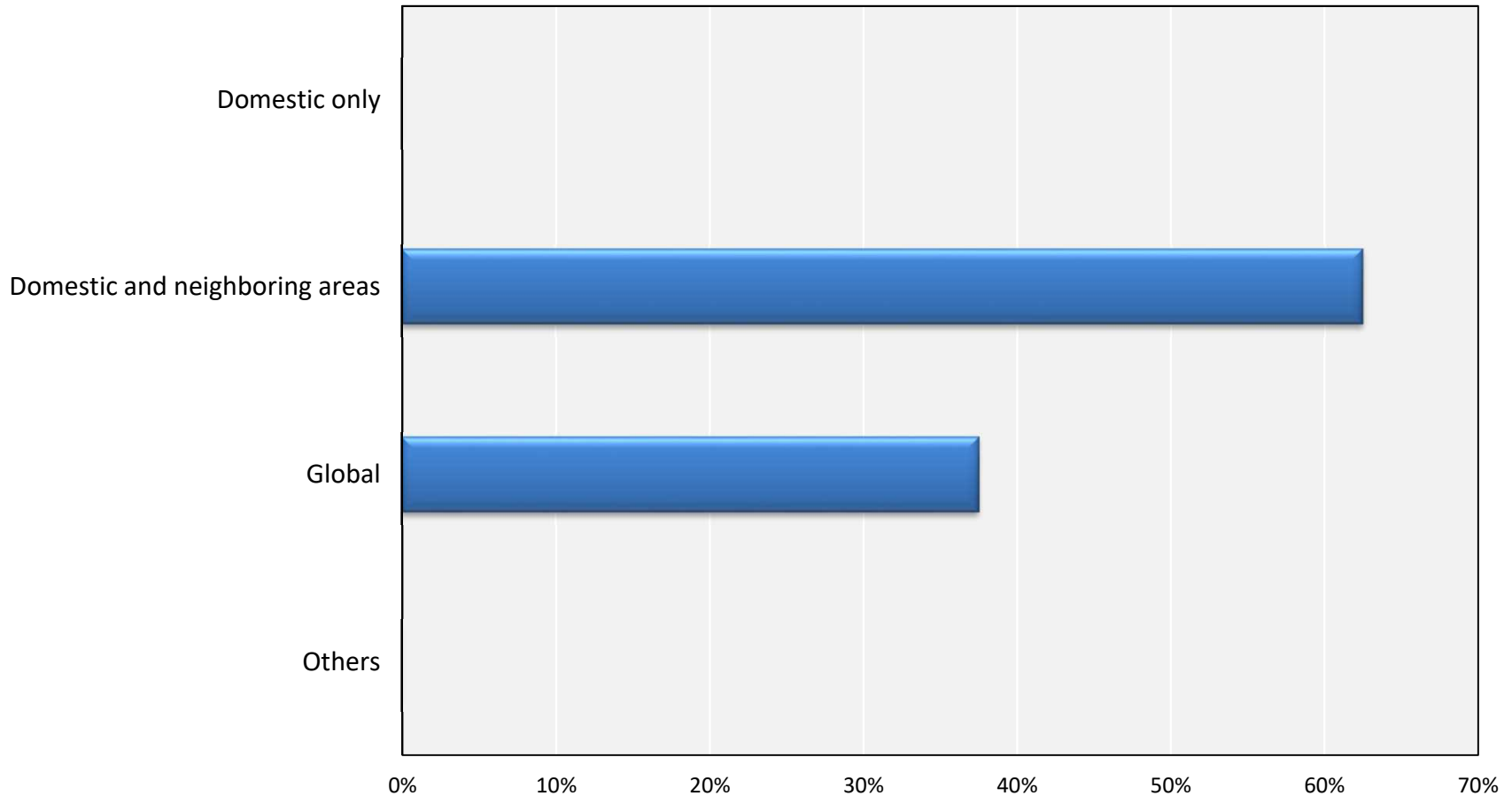
- Another division is using it.

3.3. Do you have large volume data you are planning to acquire in the future?

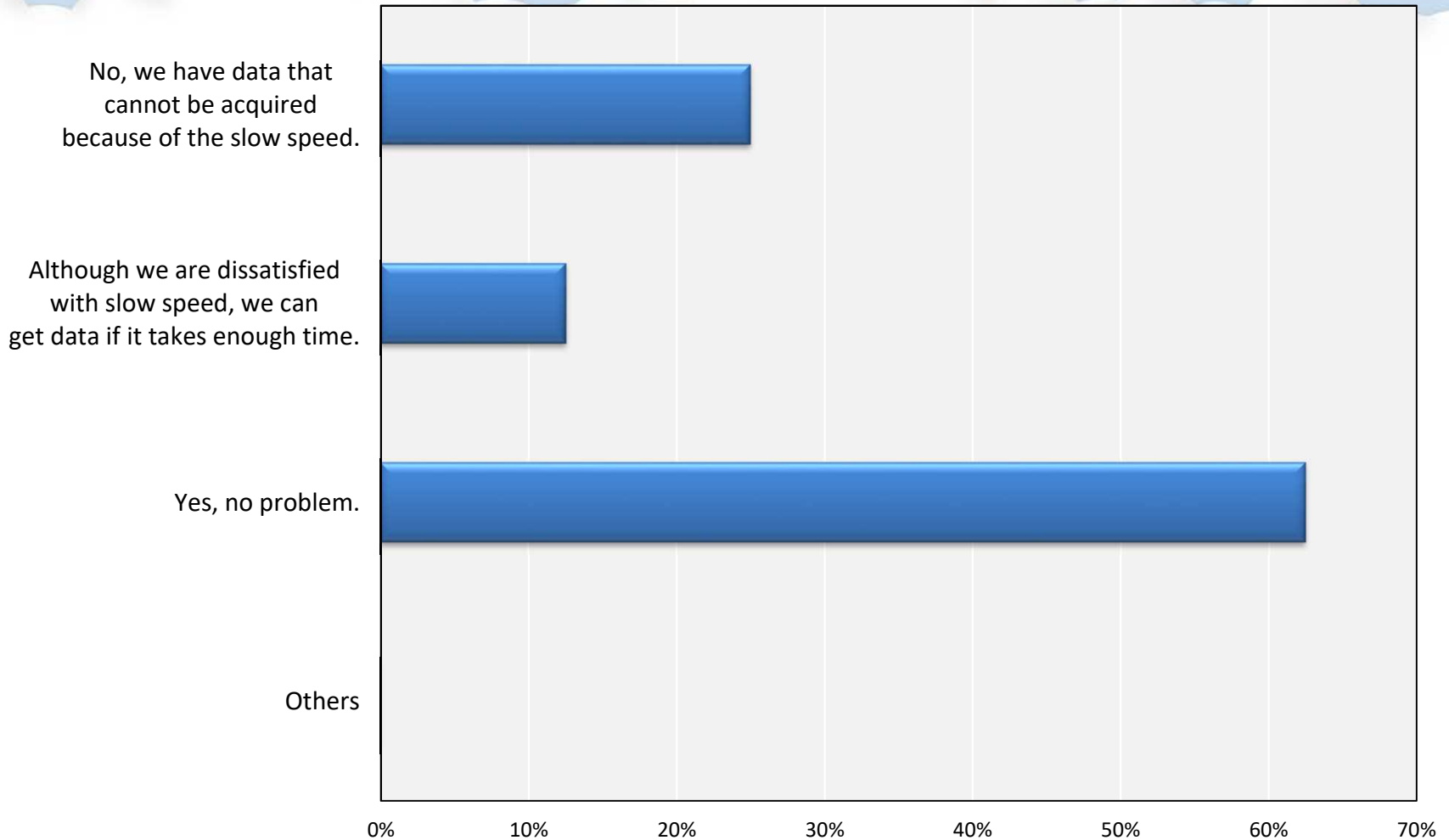


- NWP for long range forecast
- High resolution model

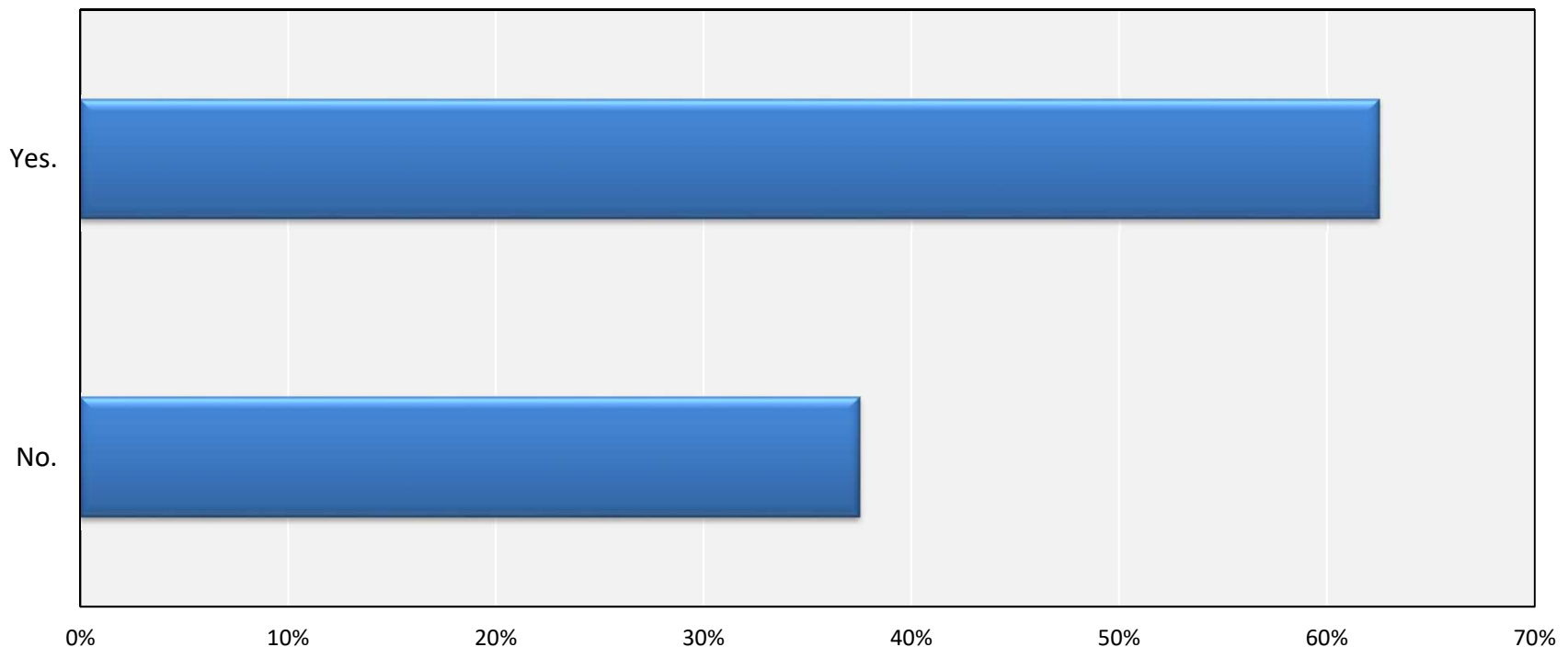
3.4. Where is the area you required for data?



3.5. Is the Internet line speed sufficient?



3.6. Do you get data other than via GTS or Internet, such as HimawariCast, FENGYUNCast, etc.?

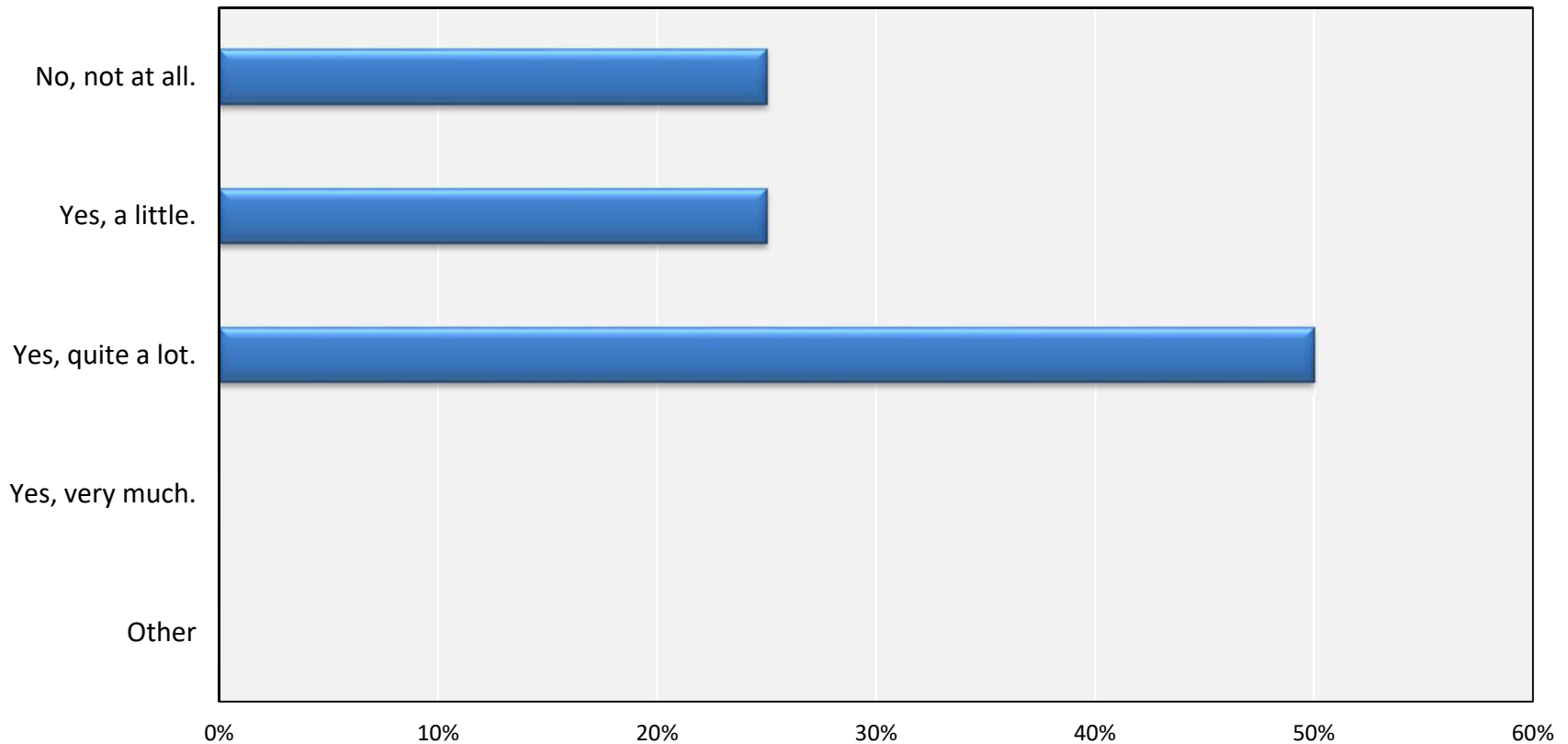


- GTS, HimawariCast, Meteo France International, GK-2A
- Himawari Cast
- Himawari Cast, CMA Cast

3.7. What is the domestic Internet penetration rate? How is the change over the last few years?

- I don't know.
- 30.68% in 2019
- 90% in 2021, it rapidly spread in the last few years
- 69.5% in Jan 2021
- 75% and it rapidly spread in the last few years
- 68.5% in 2021
- 77.7% in 2021
- 91% in 2021 as per Wikipedia

3.8. Do you feel the difference in Internet penetration rate between urban areas and rural areas?





Thank you!