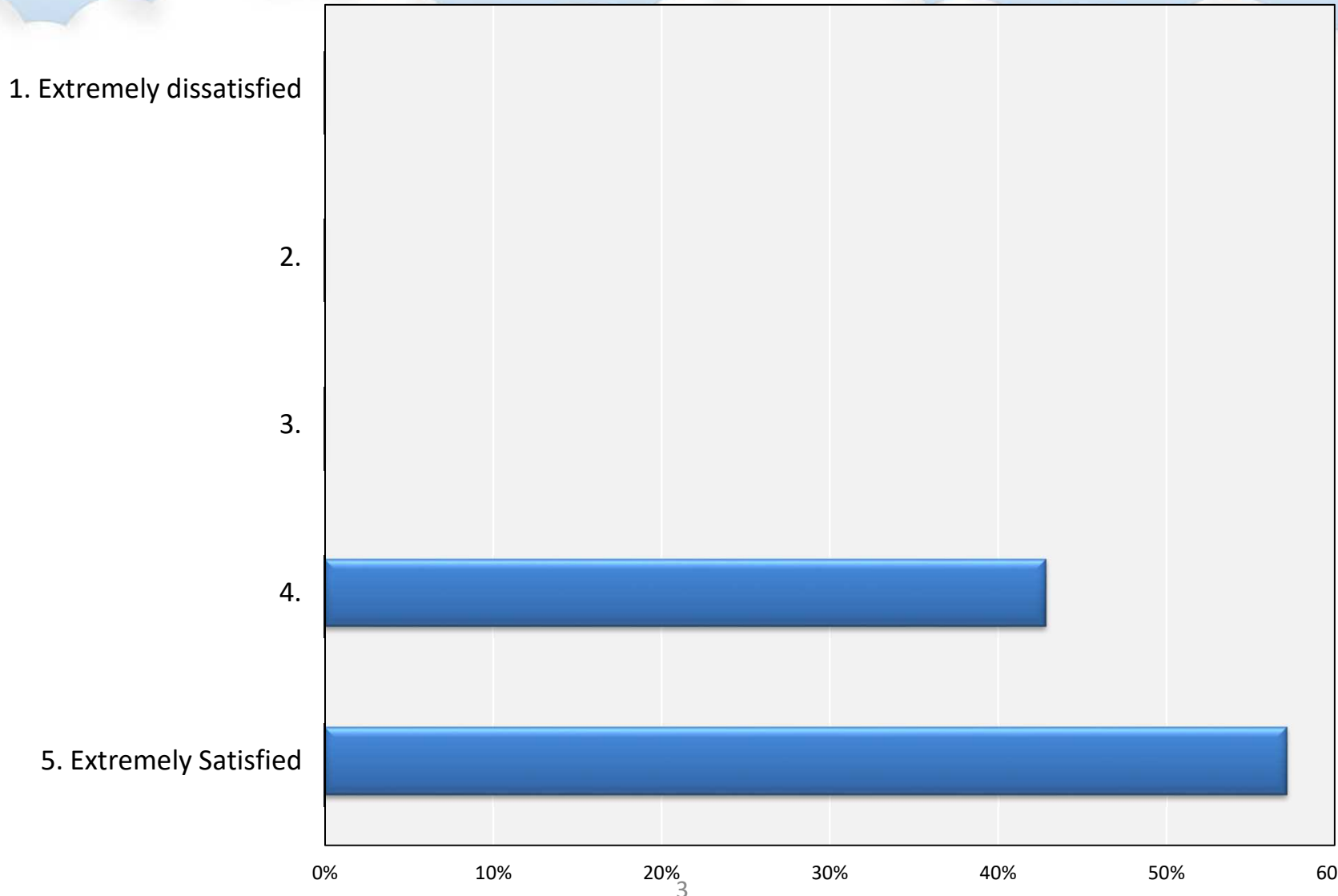# Summary of
the Post-Questionnaire
for the JMA WIS Workshop

1. Overall satisfaction of the workshop

- 1.1. Please choose your overall satisfaction level of the workshop (5 = Extremely satisfied, 1 = Extremely dissatisfied) and describe any comments or suggestions.

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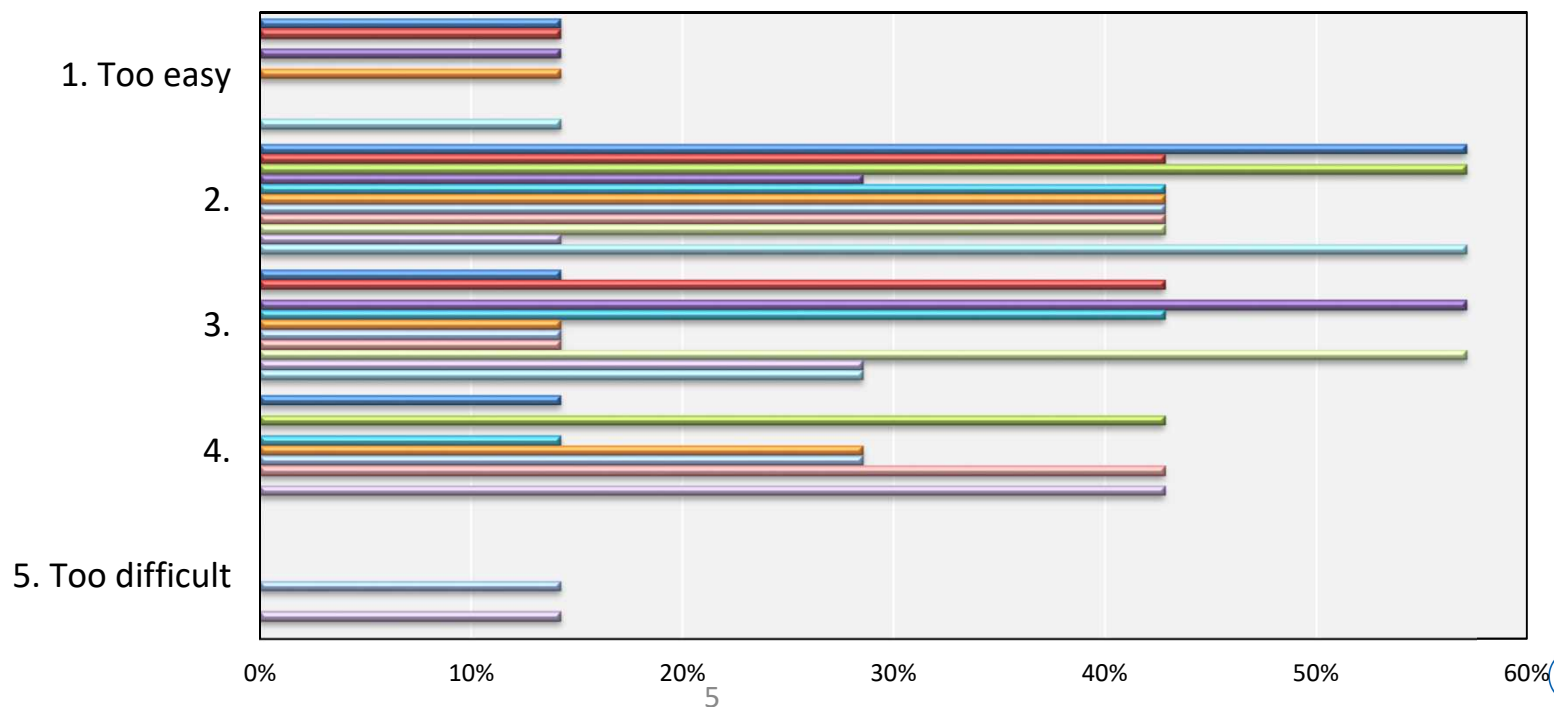
2. Presentation from JMA

- 2.1. Please choose the <u>level of difficulty</u> (5 = Too difficult, 1 = Too easy), <u>your understanding</u> (5 = Very well, 1 = Not at all) and <u>satisfaction</u> (5 = Extremely satisfied, 1 = Extremely dissatisfied) and describe any comments or suggestions on the presentation from JMA.
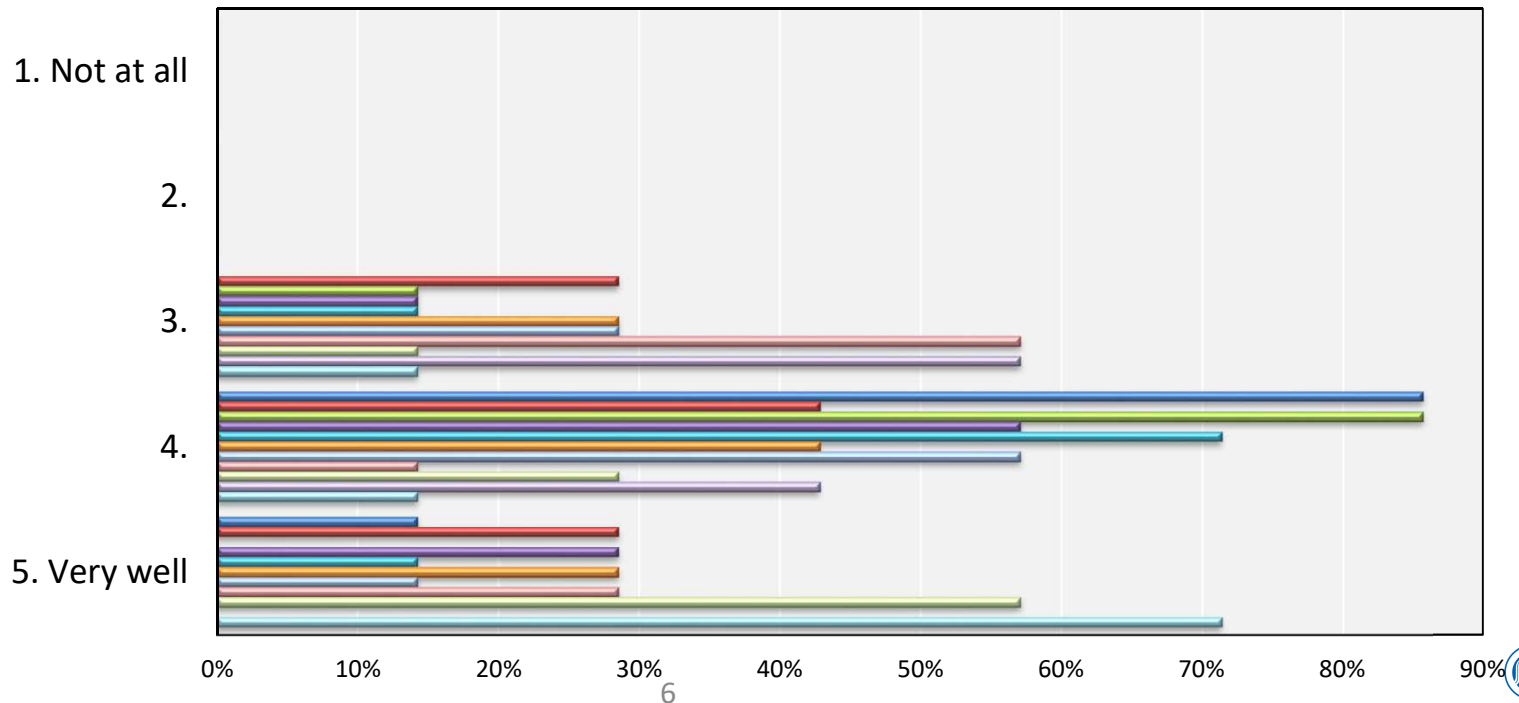
2.1. Please choose the level of difficulty.

- 2.1.1. Keynote
- 2.1.2. WMO's New Organization and GISC Tokyo's Involvement
- 2.1.3. WIS Monitoring
- 2.1.4. Operation of GISC Tokyo
- 2.1.5. WIS 2.0 demonstration projects workshop overview
- 2.1.6. GISC Tokyo Cloud Project
- 2.1.7. Tokyo Cloud Project MQP
- 2.1.8. GISC Tokyo cloud project / Cloud best practices
- 2.1.9. Current Status and Future Plan of AMDCN
- 2.1.10. New Data Format in WMO
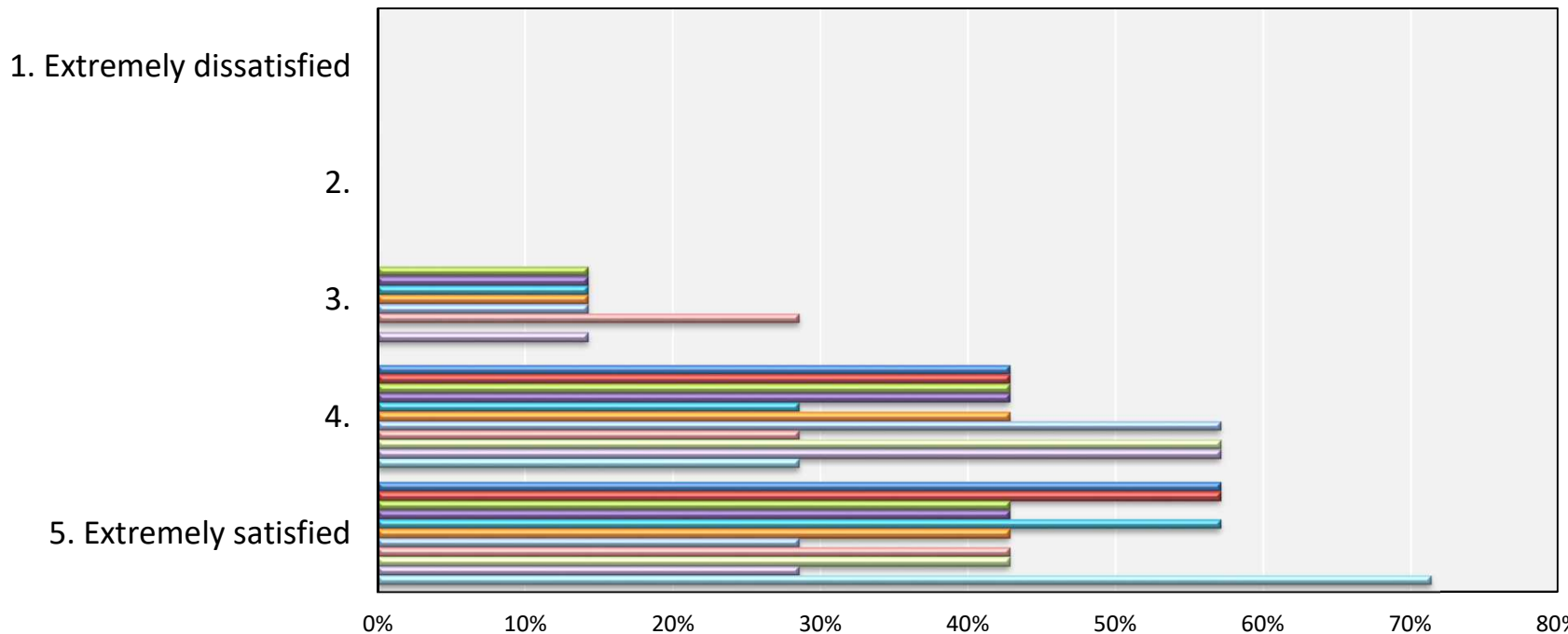- 2.1.11.GISC Tokyo's Technical Support

2.1. Please choose the level of your understanding.

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2.1 Comment or suggestion (1/4)

- 2.1.1. Keynote
  - It covers the big picture of WIS 2.0.
- 2.1.2. WMO's New Organization and GISC Tokyo's Involvement
  - Our MetService needs technical support.
  - In the WMO reform, it would be great if we can show the relation of WIS 2.0 new standards and implementation plan, RA-II operating plan and what NCs will do with those changes and plan.
- 2.1.3. WIS Monitoring
  - From results of WIS monitoring, it does not show, in this state, what will bring into actions. Unlike WDQMS, there are tickets to follow up the issues.

2.1 Comment or suggestion (2/4)

- 2.1.4. Operation of GISC Tokyo
  - In an emergency case (such as AMSS malfunction), it should be an option available to upload data from NCs through a dedicated email to GISC Tokyo.
- 2.1.5. WIS 2.0 demonstration projects workshop overview
  - We are not sure if all of current demonstration projects cover WIS 2.0 operation. If not, which core topics (not to be covered yet) should be included in the demonstration projects in the near future.
- 2.1.6. GISC Tokyo Cloud Project
  - It is interesting to join this project in the future.

2.1 Comment or suggestion (3/4)

- 2.1.7. Tokyo Cloud Project MQP
  - This is a very good project that demonstrates what NCs will do in WIS 2.0. It should also include the part of uploading data (publish) from NCs to GISC Tokyo.
  - In my opinion, the content is difficult but the practice is not clear enough
- 2.1.8. GISC Tokyo cloud project / Cloud best practices
  - It is curious to see the 10-minute dataset to replace exchanging small messages. Wondering if the delay messages have to wait for 10 minutes to be send in the next dataset, probably this is not for the real time exchange messages.
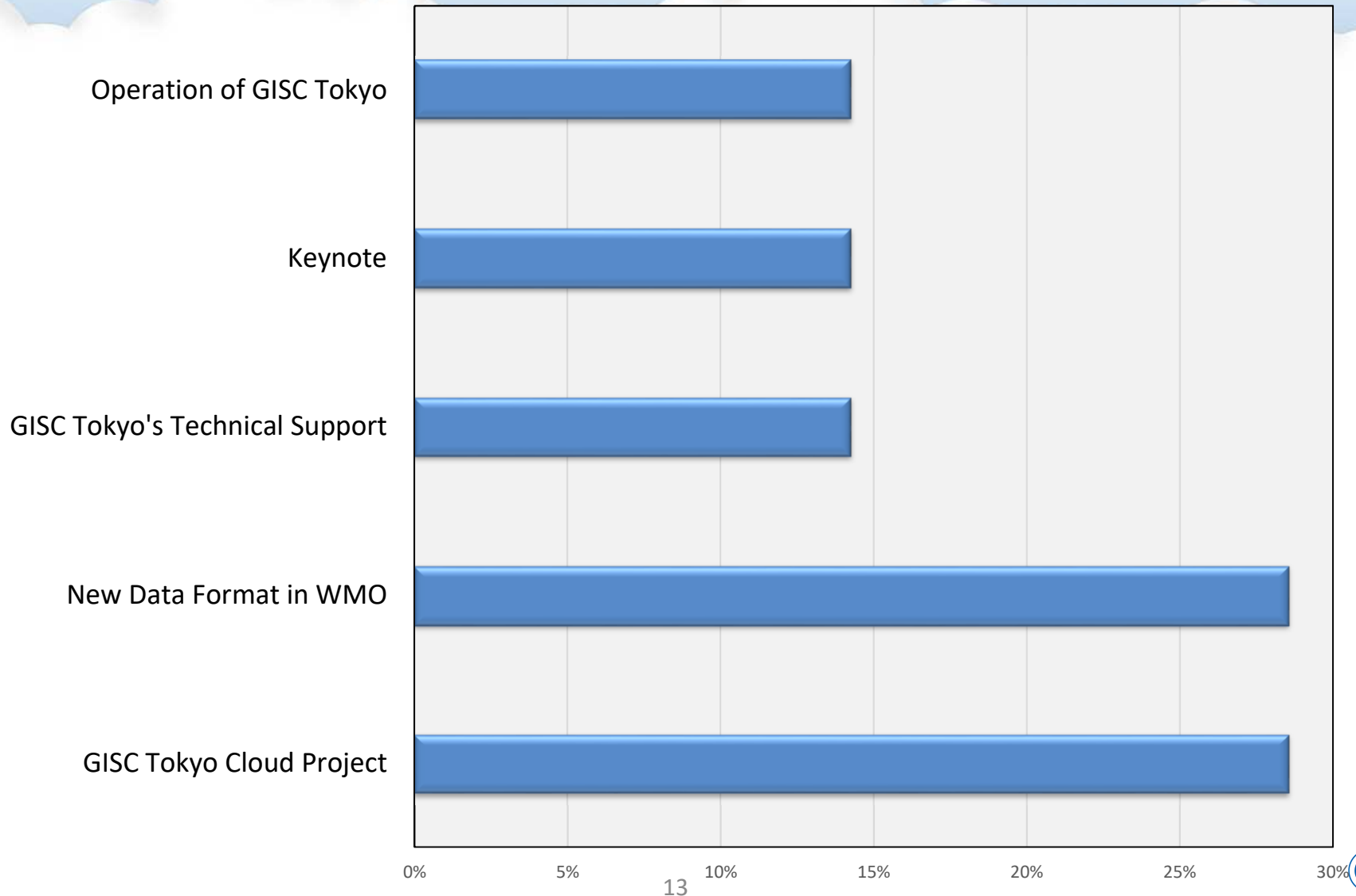
2.1 Comment or suggestion (4/4)

- 2.1.9. Current Status and Future Plan of AMDCN
  - The transition period, running two systems parallely, to WIS 2.0 must be quite complex on the new kind of messages (without TTAAii) with the pub/sub services.
- 2.1.10. New Data Format in WMO
  - The new format in NetCDF, creating/processing of messages with WSI is quite challenging.
  - The lectures did well but I think that the time was quite short
- 2.1.11.GISC Tokyo's Technical Support
  - The JMA WIS workshop makes a big difference to the region. Visiting each center help get more understanding of situations. Thank you for supporting us continuously.

2. Presentation from JMA

- 2.2. Please choose the presentation that was most interesting for you.

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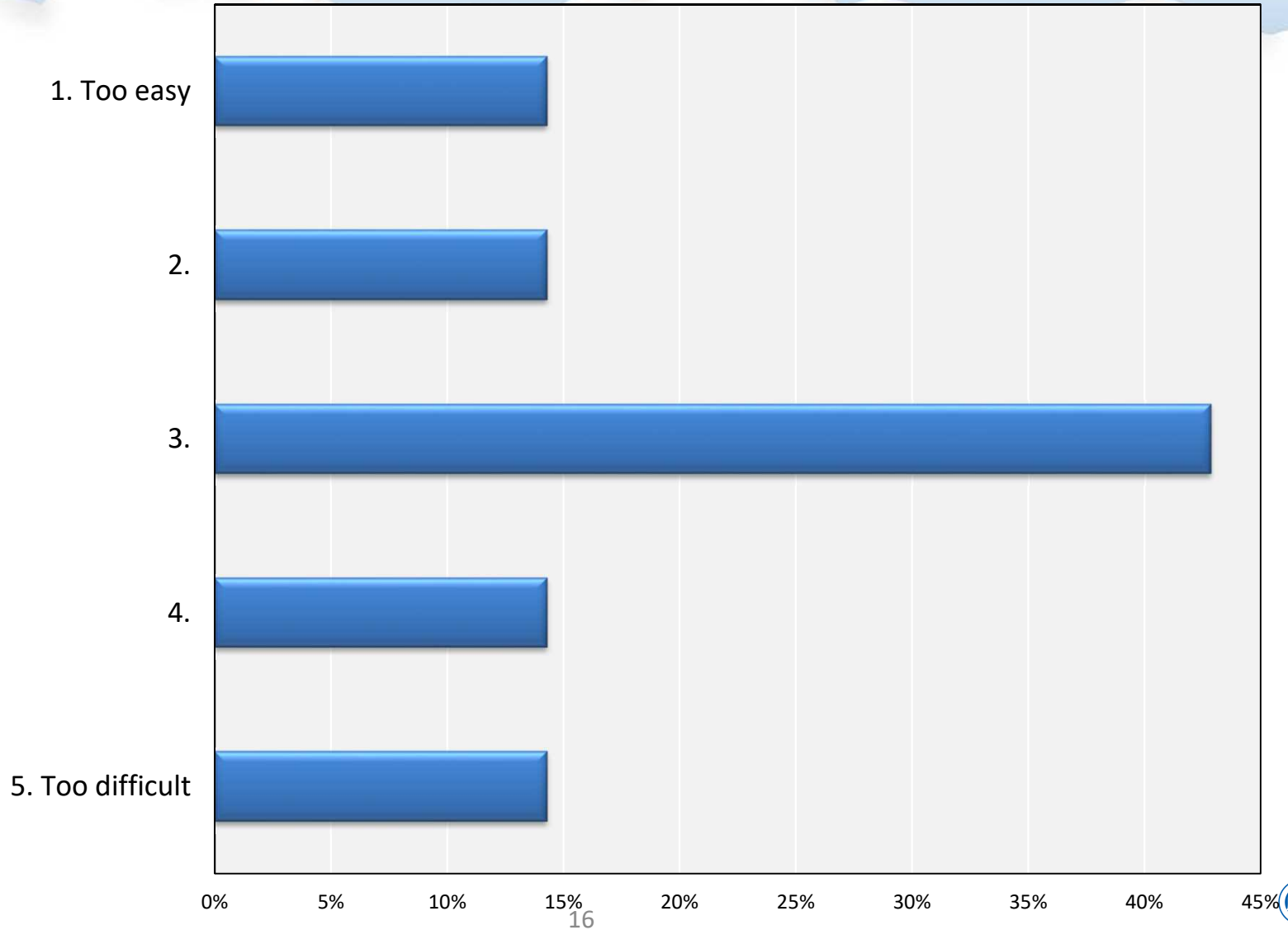
2.2 Comment or suggestion

- New Data Format in WMO
  - The information is important to us. But as I mentioned above, I think the time was quite short

- Keynote
  - It shows the big picture of upcoming WIS 2.0. Especially if participants understand each steps inside it, this is very useful.

- Operation of GISC Tokyo
  - Thank you JMA and organizer of this workshop. This is very helpful to us.

3. Presentation from experts

- 3.1. Please choose the <u>level of difficulty</u> (5 = Too difficult, 1 = Too easy), <u>your understanding</u> (5 = Very well, 1 = Not at all) and <u>satisfaction</u> (5 = Extremely satisfied, 1 = Extremely dissatisfied) and describe any comments or suggestions on the presentation from experts.
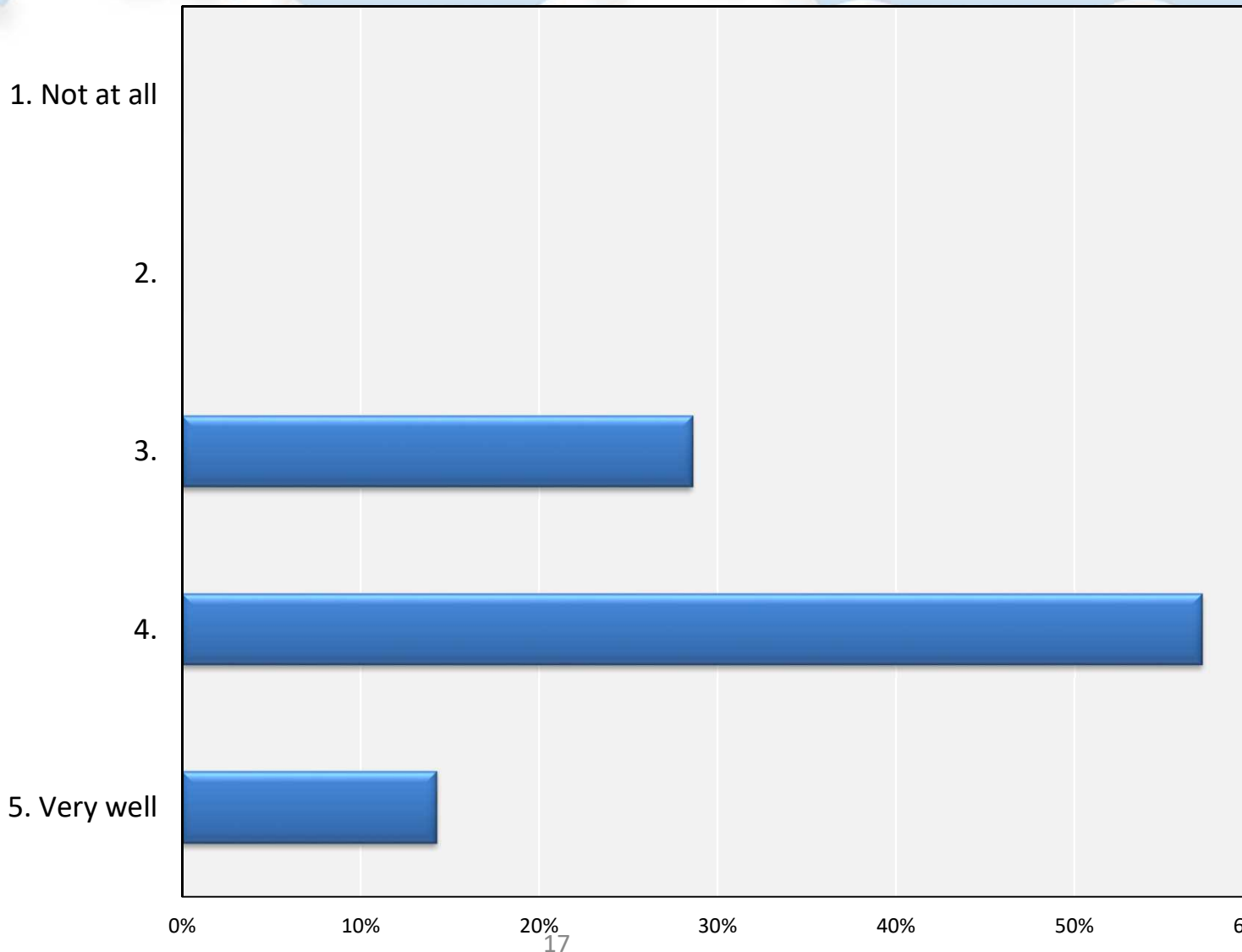
3.1. Please choose the level of difficulty.

■ 3.1.1. GISC Offenbach WIS2 Pilot

3.1. Please choose the level of your understanding.

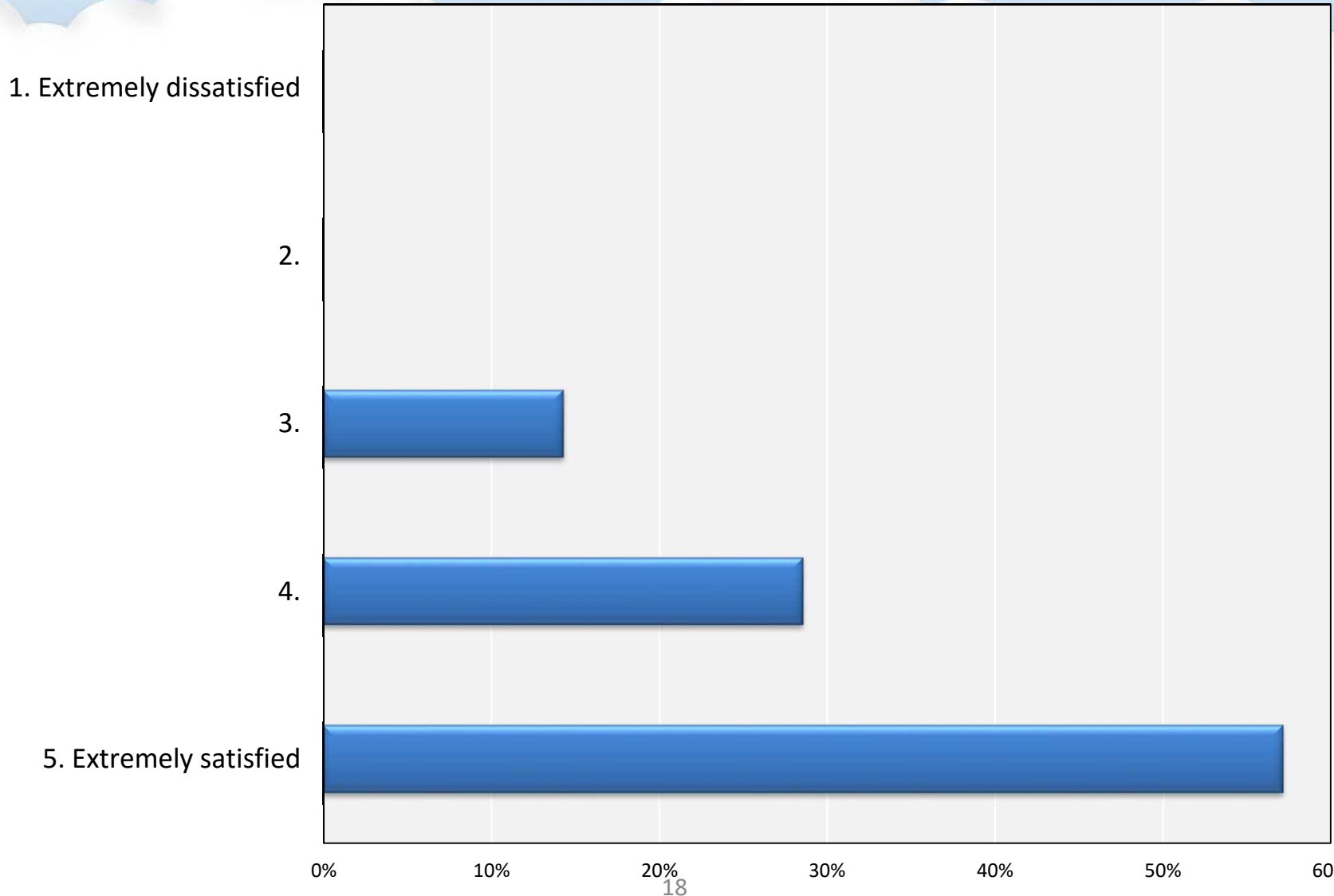■ 3.1.1. GISC Offenbach WIS2 Pilot

JMA Workshop on the WIS implementation 2022

GISC Tokyo/Japan Meteorological Agency

3.1. Please choose the level of your satisfaction.

■ 3.1.1. GISC Offenbach WIS2 Pilot

GISC Tokyo/Japan Meteorological Agency

3.1 Comment or suggestion

- It is nice to learn the implementation of WIS2 from starting to ending (making observation to refining data and making them available).

4. Country Report and Preliminary Questionnaire

- 4.1. Please describe any comments or suggestions on the country report. (Was it easy to create a document using a template? Was the preparation period sufficient?)

4.1. Comments or Suggestions for Country Report

- It good for your comments from WIS experts for technical support convert data from AWS to GTS .

- Yes it easy to create by using template.

- The preparation period was sufficient and template also useful.

- The presentation of the result of country reports was very good and easy to understand using the template.

- It is good to have a guide for creating the country report like this. Preparation time is sufficient.

- The preparation is sufficient.

- Country report was very helpful for understanding our activities, idea and opportunity compare to others. Template was very helpful to create document right way. The preparation period was sufficient.

4. Country Report and Preliminary Questionnaire

- 4.2. Please describe any comments or suggestions on the preliminary questionnaire.

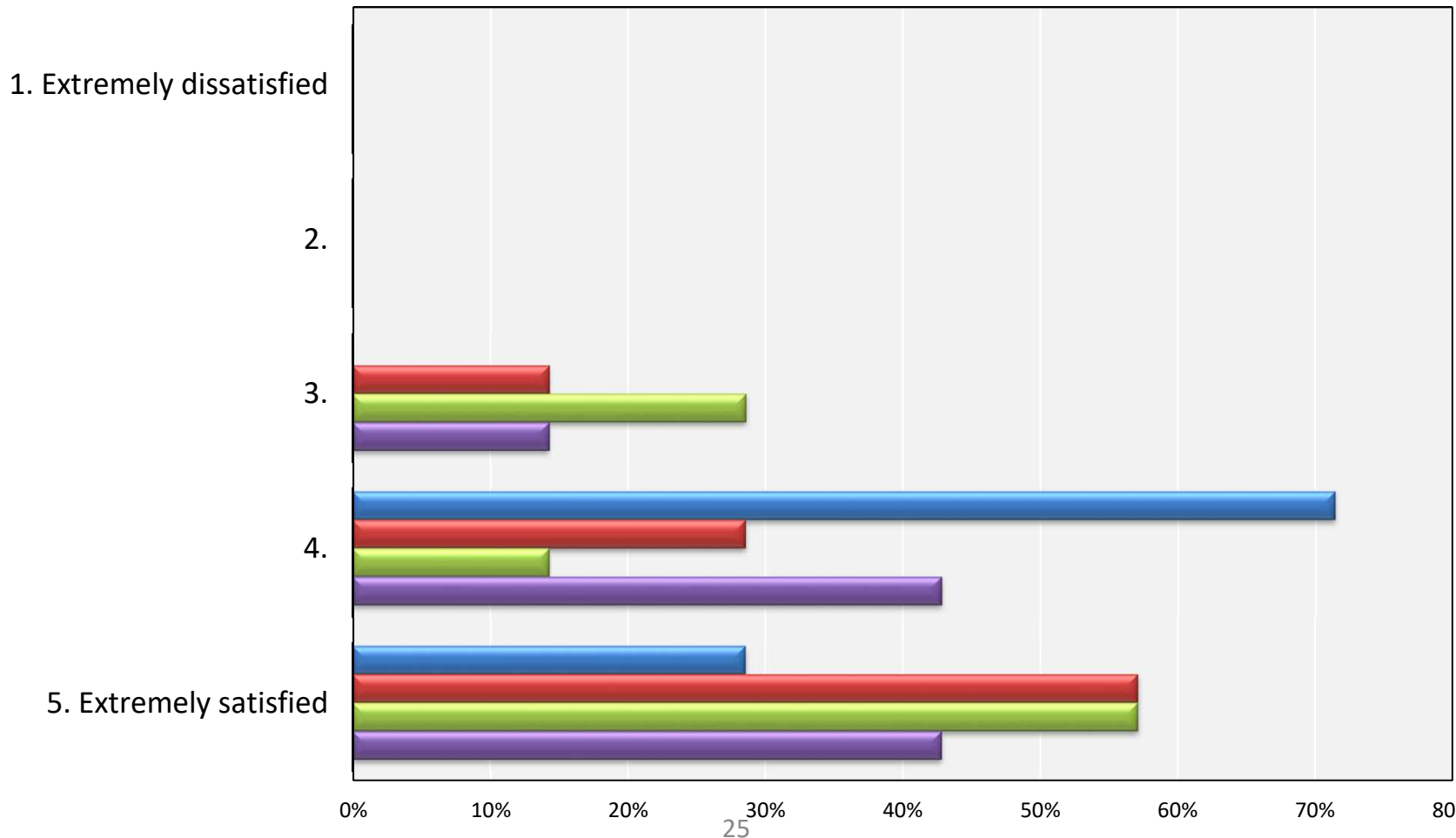# 4.2. Comments or Suggestions for Preliminary Questionnaire

- It helpful

- Very satisfied

- Questions were asked straight to the points of WIS workshop.

5. Workshop Organization

- 5.1. Please choose <u>your satisfaction</u> level (5 = Extremely satisfied, 1 = Extremely dissatisfied) and describe any comments or suggestions on the workshop organization.

5.1. Please choose your satisfaction level.

■ 5.1.1. Online Meeting
■ 5.1.2. Meeting tool (MS-Teams)
■ 5.1.3. Time zone and time frame (08-11UTC, 3 hours/day)
■ 5.1.4. Network capacity (Video and voice quality)

5.1 Comment or suggestion (1/3)

- 5.1.1. Online Meeting
    - Congratulation for the good job
    - It could replace the face-to-face meeting at a certain level but not all.
    - Arrangement was good.
- 5.1.2. Meeting tool (MS-Teams)
    - All of major meeting software are working very well. MS-Teams is one of them.

5.1 Comment or suggestion (2/3)

- 5.1.3. Time zone and time frame (08-11UTC, 3 hours/day)
  - Time is a little difficult for us because workshop started 08:00 UTC to 11 UTC, but 10:00 UTC was our office time.
  - It quite late for SEA time zone. It is unstood that we have delegates from middle east and DWD. Therefore, this time slot works best for everyone.
  - Time zone and time frame was good convenient for me.
- 5.1.4. Network capacity (Video and voice quality)
  - Sometime voice is not clear.
  - It was delay at some points but not many.
  - Some time voice quality was low

5.1 Comment or suggestion (3/3)

- 5.1.5. Please describe on ONLINE meeting if it will be an effective tool and suggestions for improvements.
  - Yes, it is. But what will be missing is that we do not have chances (or not proper to do it in the online meeting) to have bilateral discussion among centers or participants. There are some issues to share/ask or make comments.
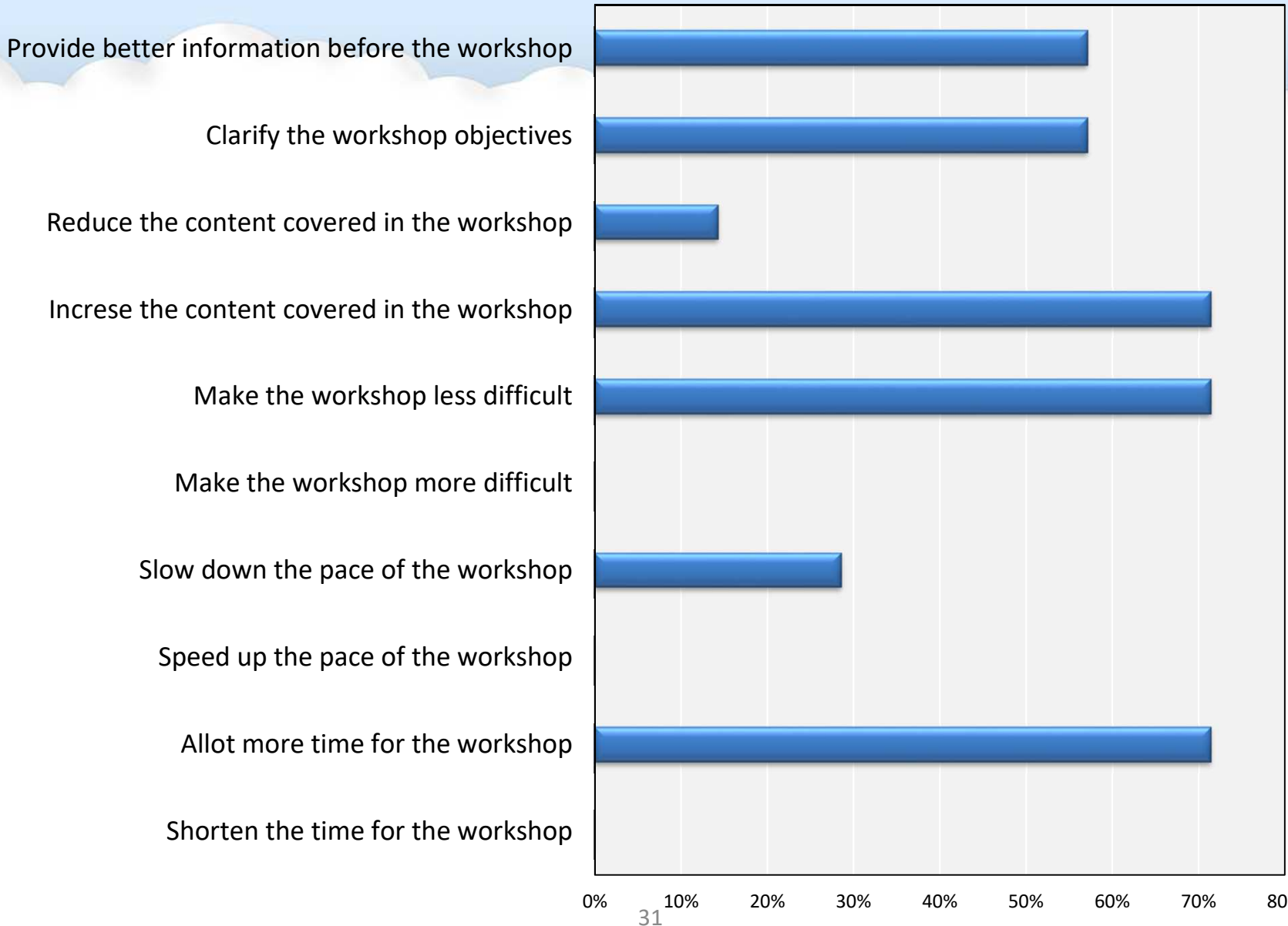
5.1 Further comments:

- Thank you very much.

- For us, it is not very encouraging because of it is not face to face.

6. For the next JMA Workshop

- 6.1. How would you improve this workshop? Please check all that apply.

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JMA Workshop on the WIS implementation 2022

GISC Tokyo/Japan Meteorological Agency
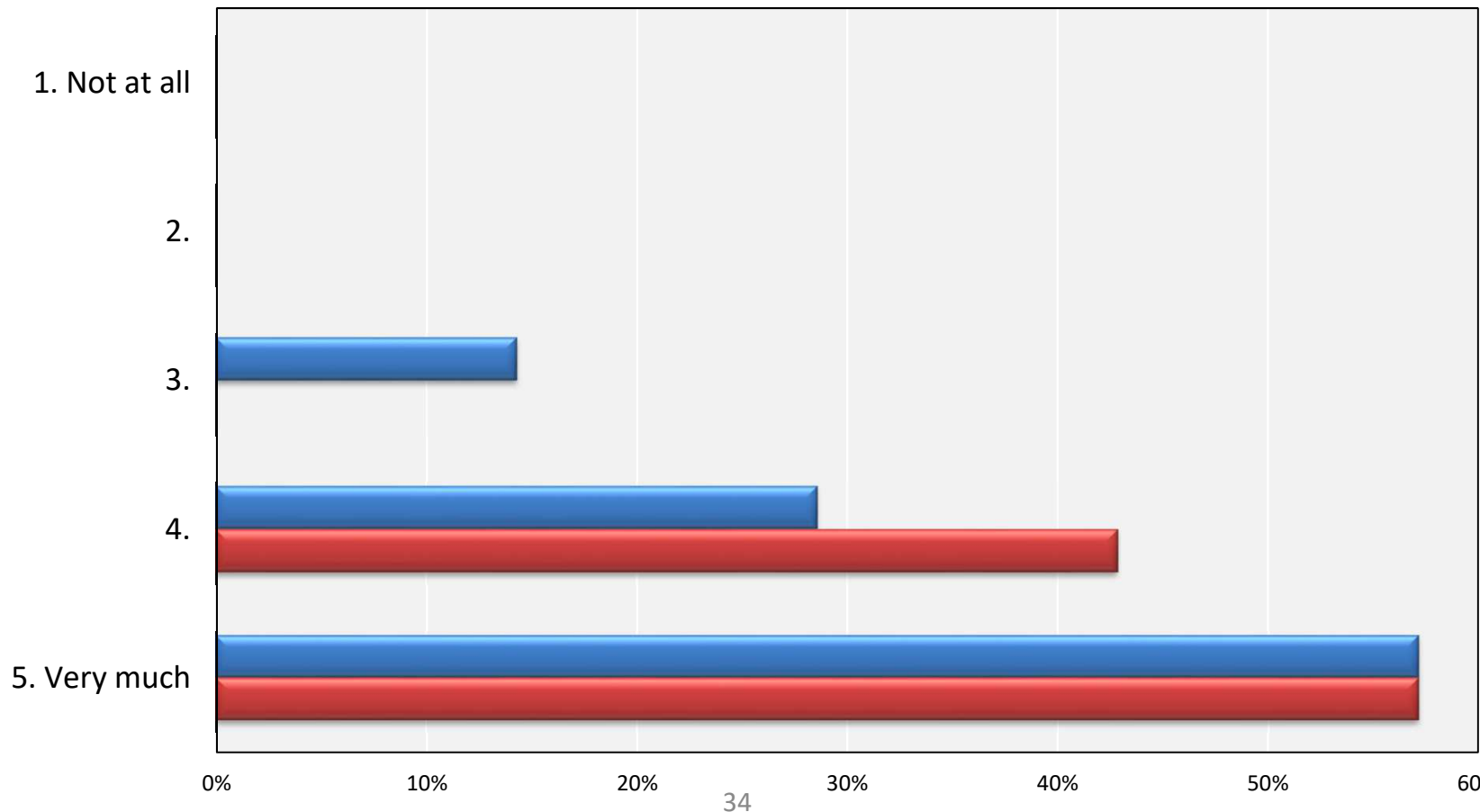
6.1 Further comments

- I believe all NCs would like to know what they need to do to support the WIS 2.0 but it is still in the development stage.

6. For the next JMA Workshop

- 6.2. Please indicate how much you would like on the following subjects. (5 = Very much, 1 = Not at all)

6.2. Please indicate how much you would like on the following subjects.

🔵 6.2.1. Practical training of the current GISC Tokyo services (subscription, metadata, etc.)

🔴 6.2.2. Explanation of the new telecommunication framework and related technologies (WIS 2.0, pub/sub protocol, cloud computing and so on.)

6.2 Comment or suggestion

- 6.2.1. Practical training of the current GISC Tokyo services (subscription, metadata, etc.)

  - We are quite using it in our normal operation.

  - Online practice was comparatively hurry.

- 6.2.2. Explanation of the new telecommunication framework and related technologies (WIS 2.0, pub/sub protocol, cloud computing and so on.)

  - To have more understanding, having experience in the hand-on practices would be great.
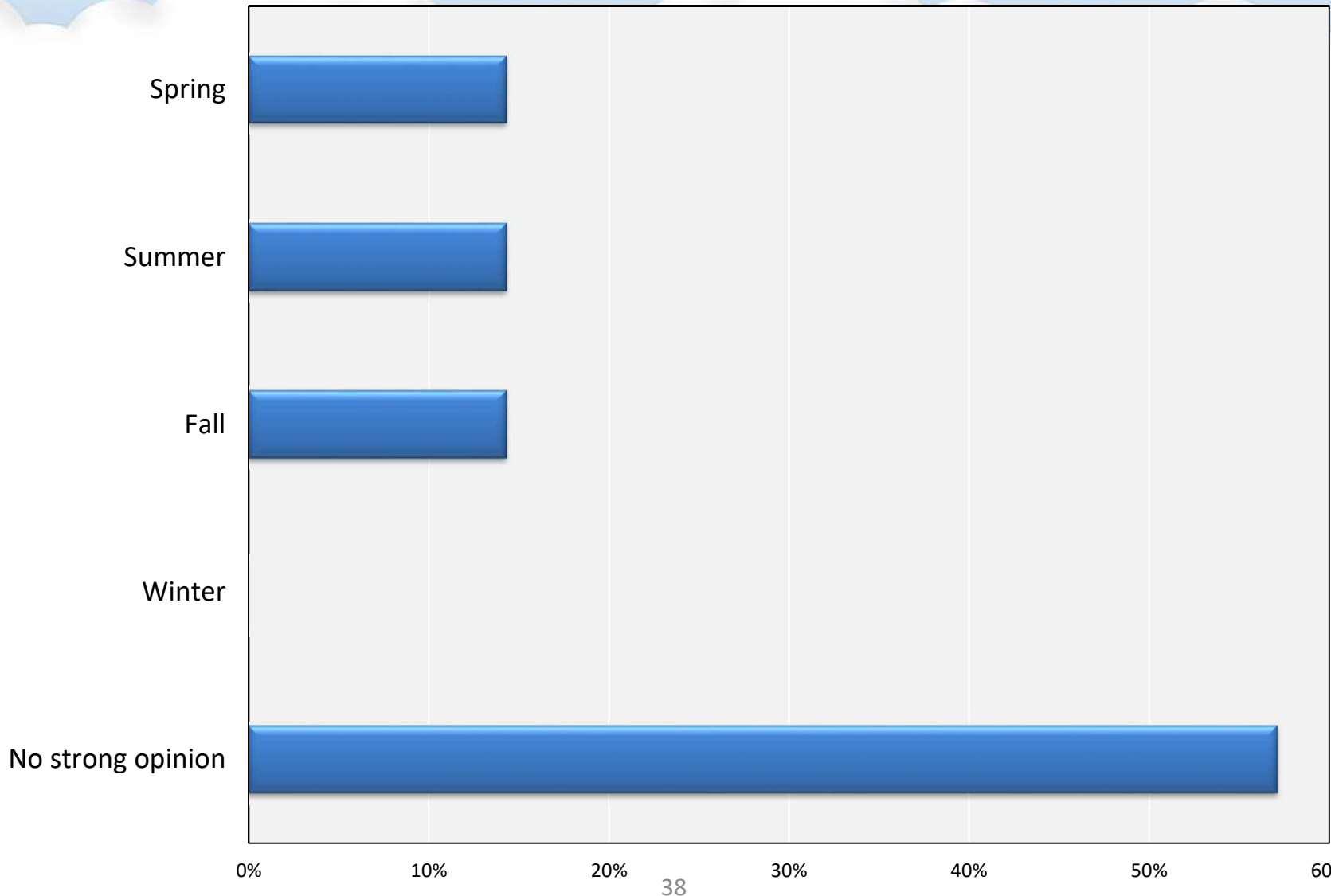
6.3. Please describe if you want something to be dealt with on other than above subjects.

- Telecommunication framework(WIS2.0).

- Encoding new data format with WSI from observation stations. Data management (collect, verify, distribution) of NCs in WIS 2.0.

6. For the next JMA Workshop

- 6.4. Please check buttons and describe any comments or suggestions on the season of the workshop you would like.

6.4. Please select the season of the workshop you would like.

6.4 Comment or suggestion

- This is my first time attending workshop. I would like to come to Japan in the spring if I have the opportunity in the future.

- No limitation, except New year or Christmas.

7. Please describe any comments on the workshop and also on the questionnaire itself if any.

- Thank you very much for Invite to join WIS Workshop. Our MetService needed technical support to improve GTS system.

- It helpful to understanding.

- Lets meet the next workshop in Japan.

- Very well prepared

- Workshop was held perfectly in online format with its own limitations. This post-questionnaire is quite long but happy to do it.

Thank you!