

Aerosol Processes Working Group Survey on ARM Aerosol Data Products

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in collaboration with the AMSG

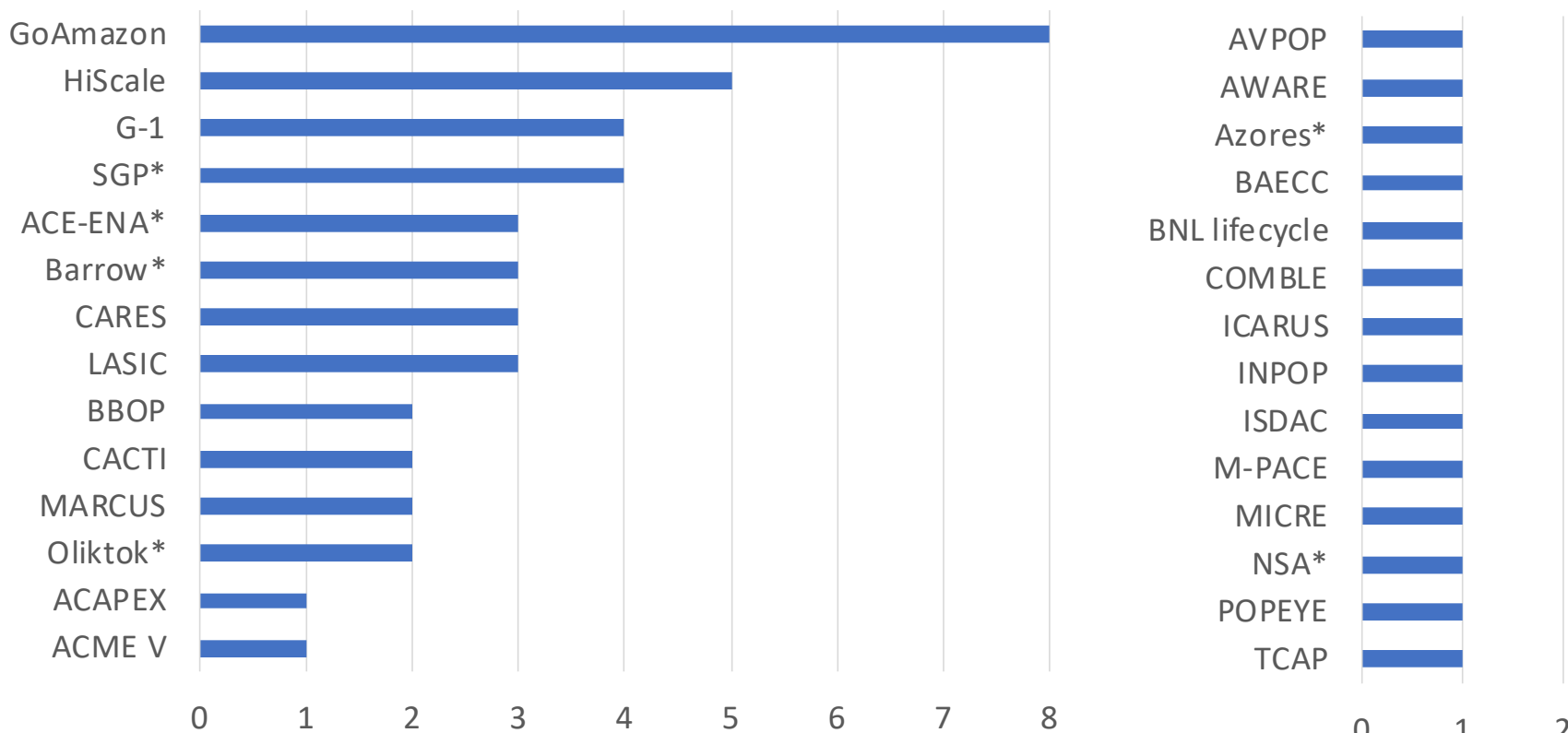
June 10, 2019

- In January 2019, we asked the Aerosol Processes working group the following questions:
 1. Which ARM aerosol data products are you using in your research?
 2. If you are not using ARM data products in your research, why not?
 3. Are there data products that you wish ARM could provide, but currently does not?
- Purpose of this survey:
 - Obtain community input to better align ARM observations with community research needs.
- 34 responses from working group members. (Thanks, everyone!)

1. Which ARM data products are you using in your research?

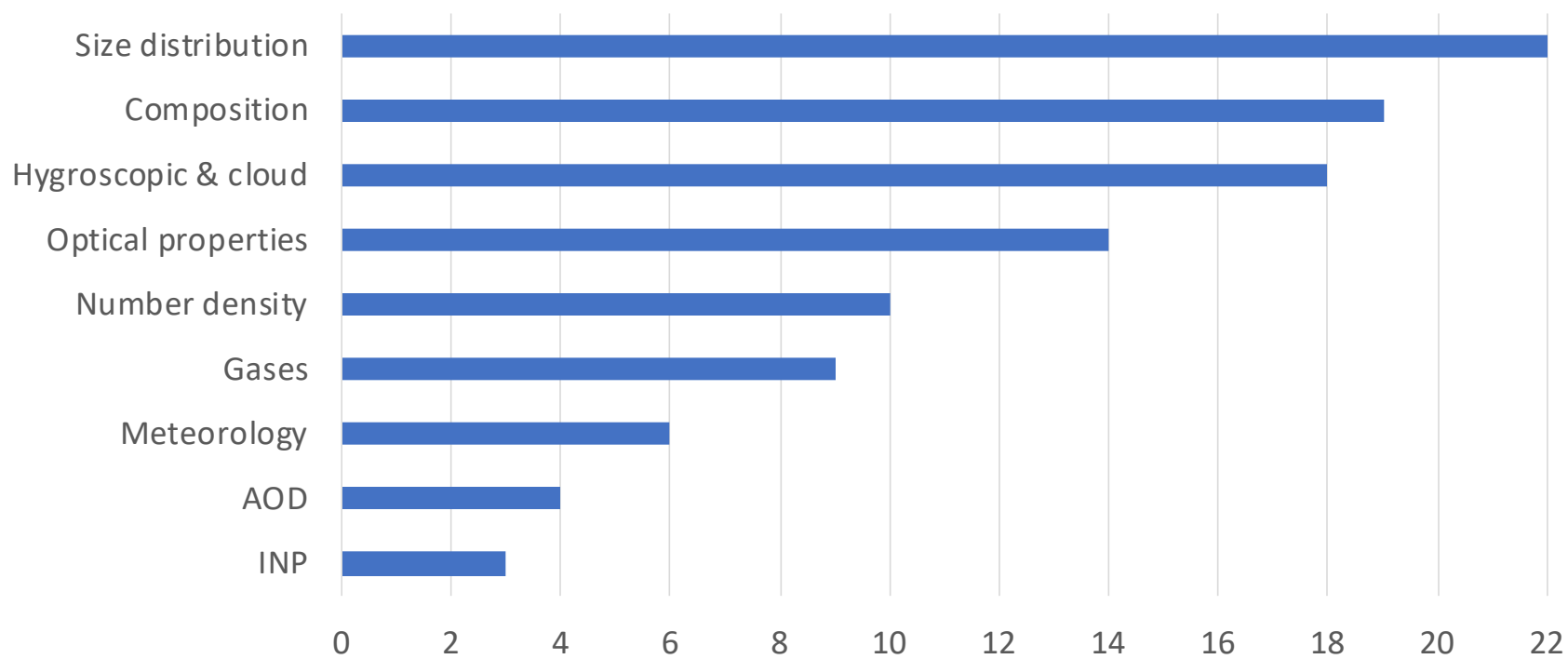
- Many responses mentioned the use of campaign data: 43 times
- Long-term sites were mentioned less frequently: 14 times
- Focus on:
 - Size distributions
 - Composition (ACSM)
 - Hygroscopicity/CCN concentrations

Campaigns and sites – number of mentions



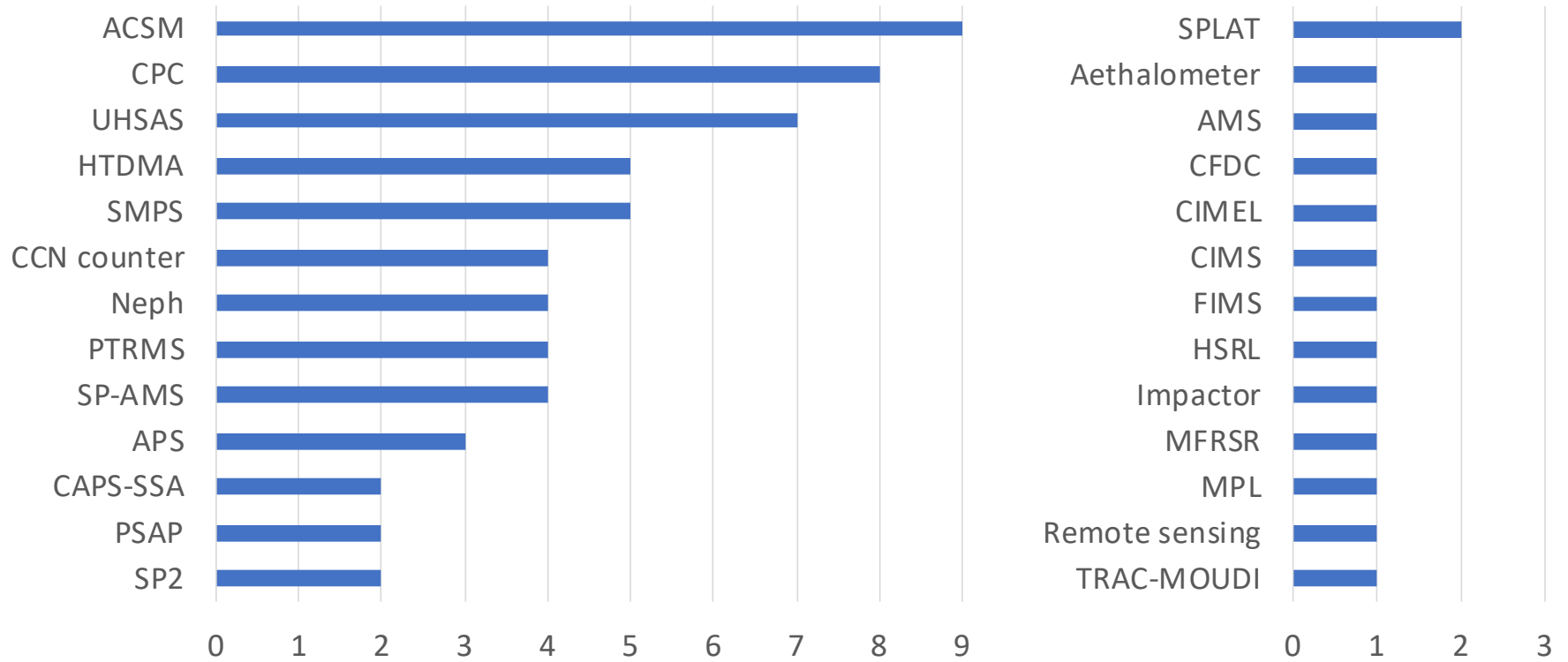
* Long-term sites

Measurement areas – number of mentions

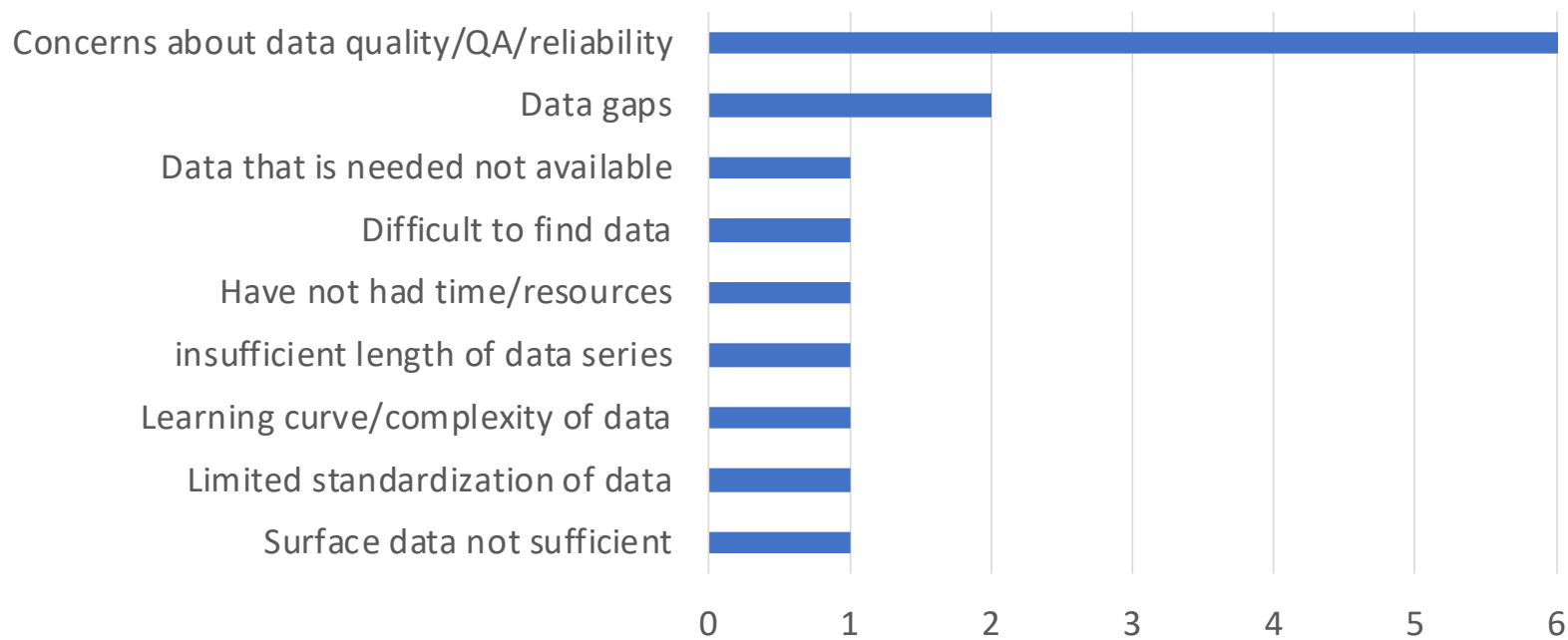


Measurement areas from Table 1 in McComiskey & Sisterson, *ARM Aerosol Measurement Science Group Strategic Planning Workshop 2017* (plus AOD and INP)

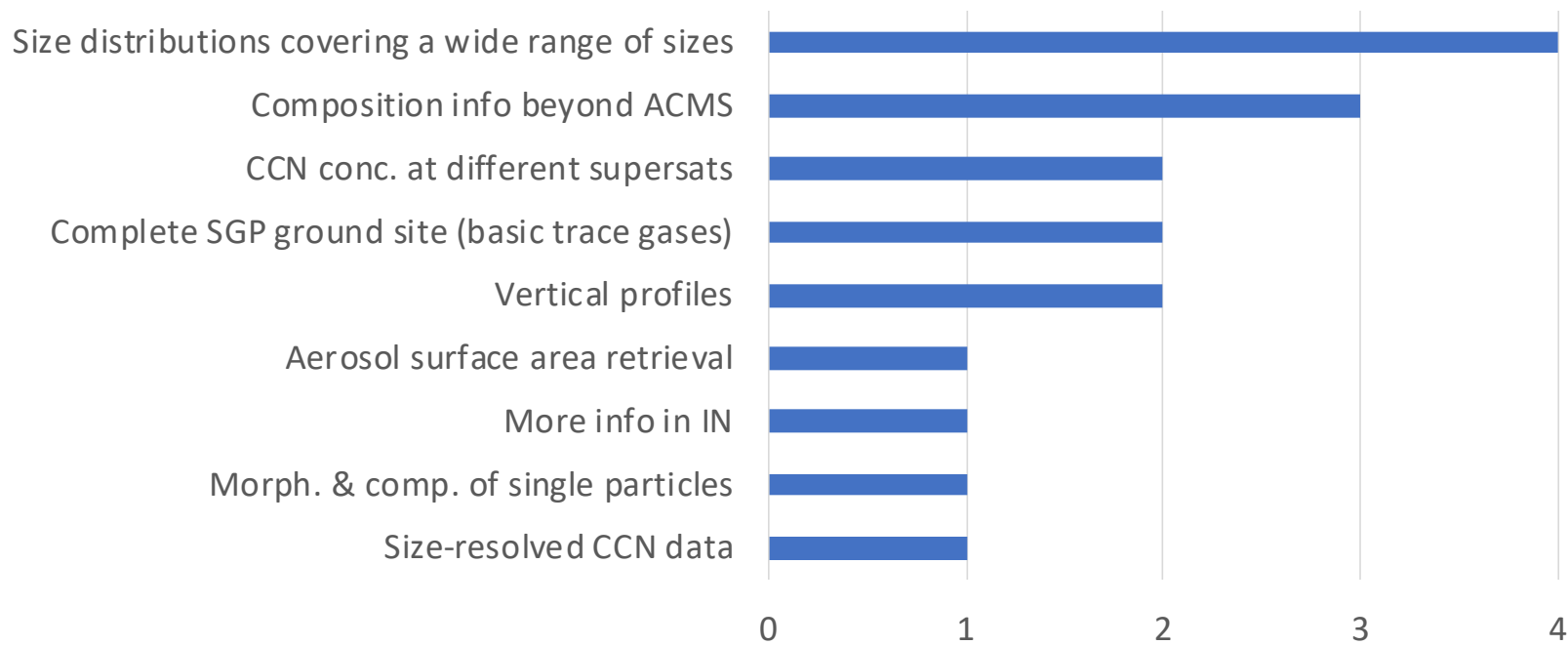
Instruments – number of mentions



2. If you are not using ARM data products in your research, why not?



3. Are there data products that you wish ARM could provide, but currently does not?

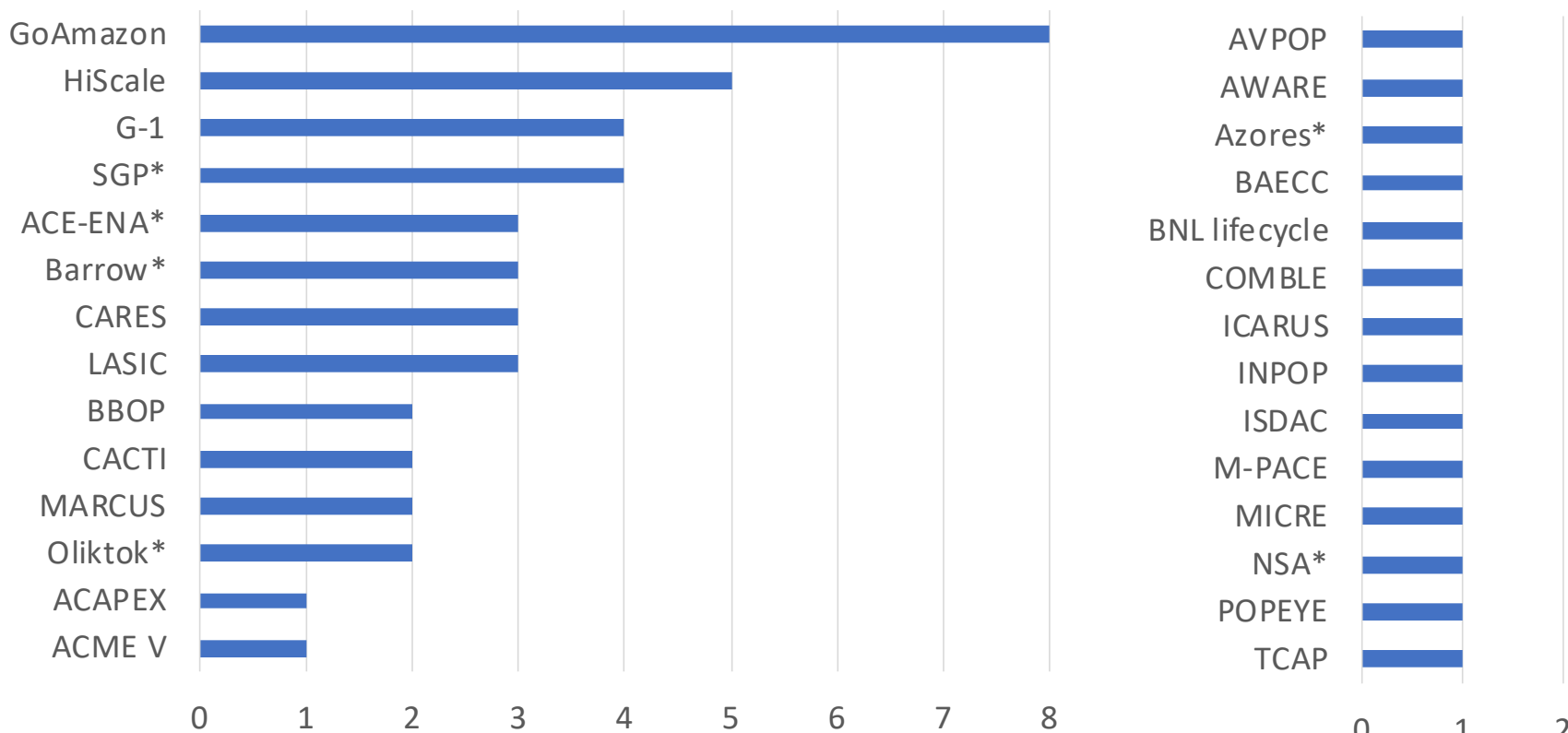


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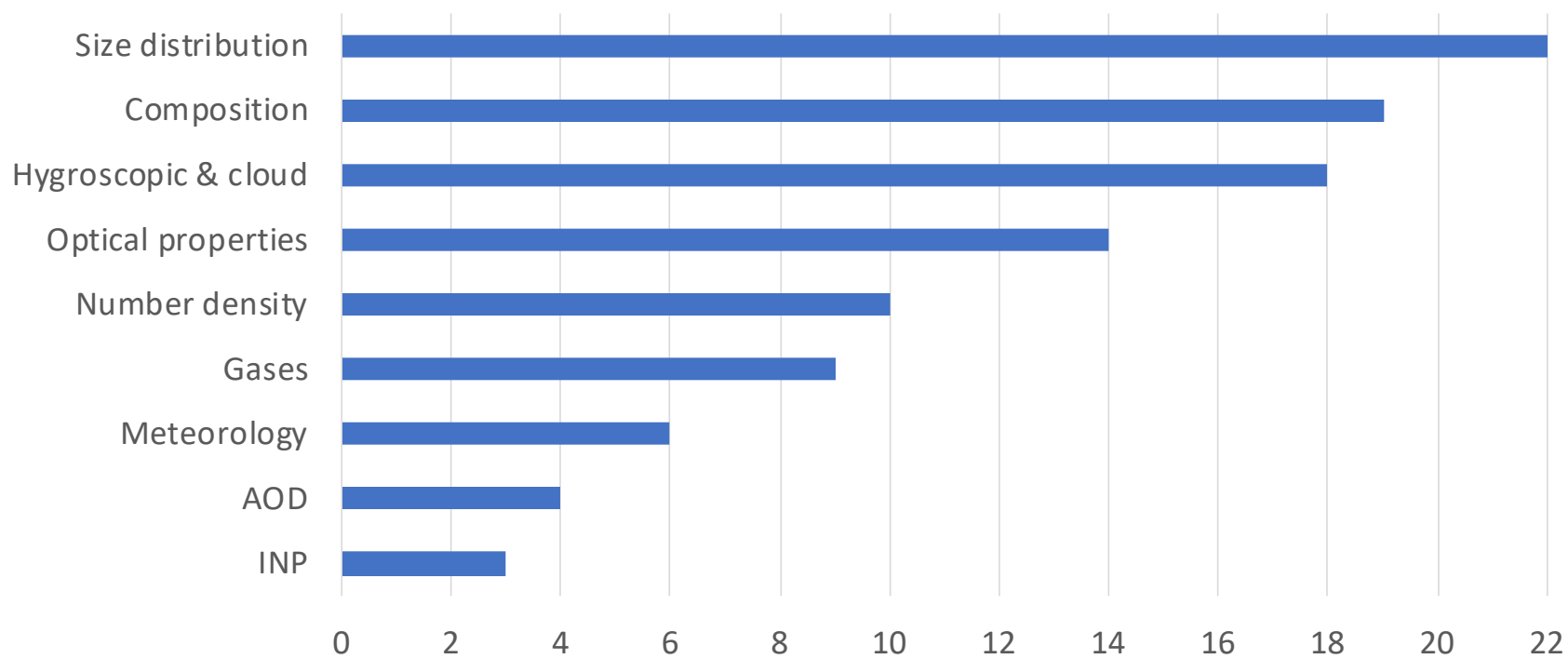
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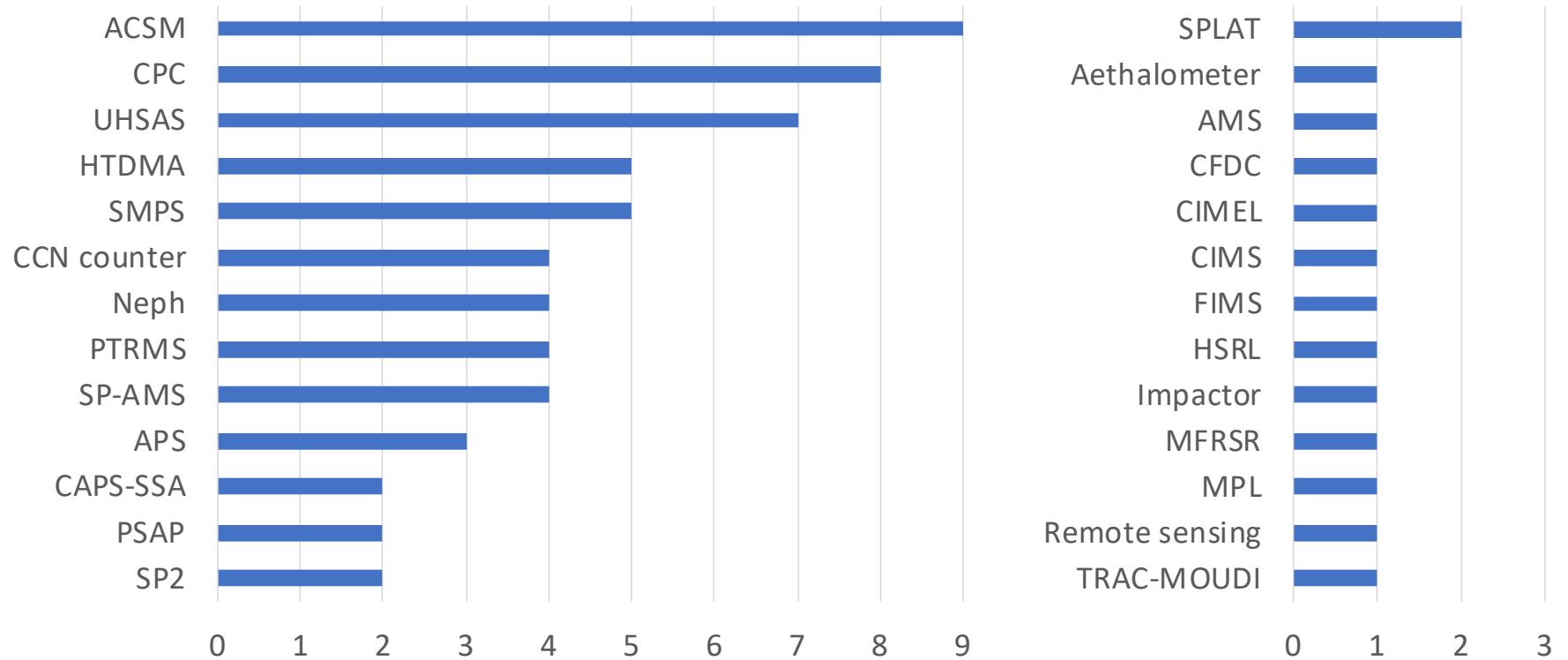
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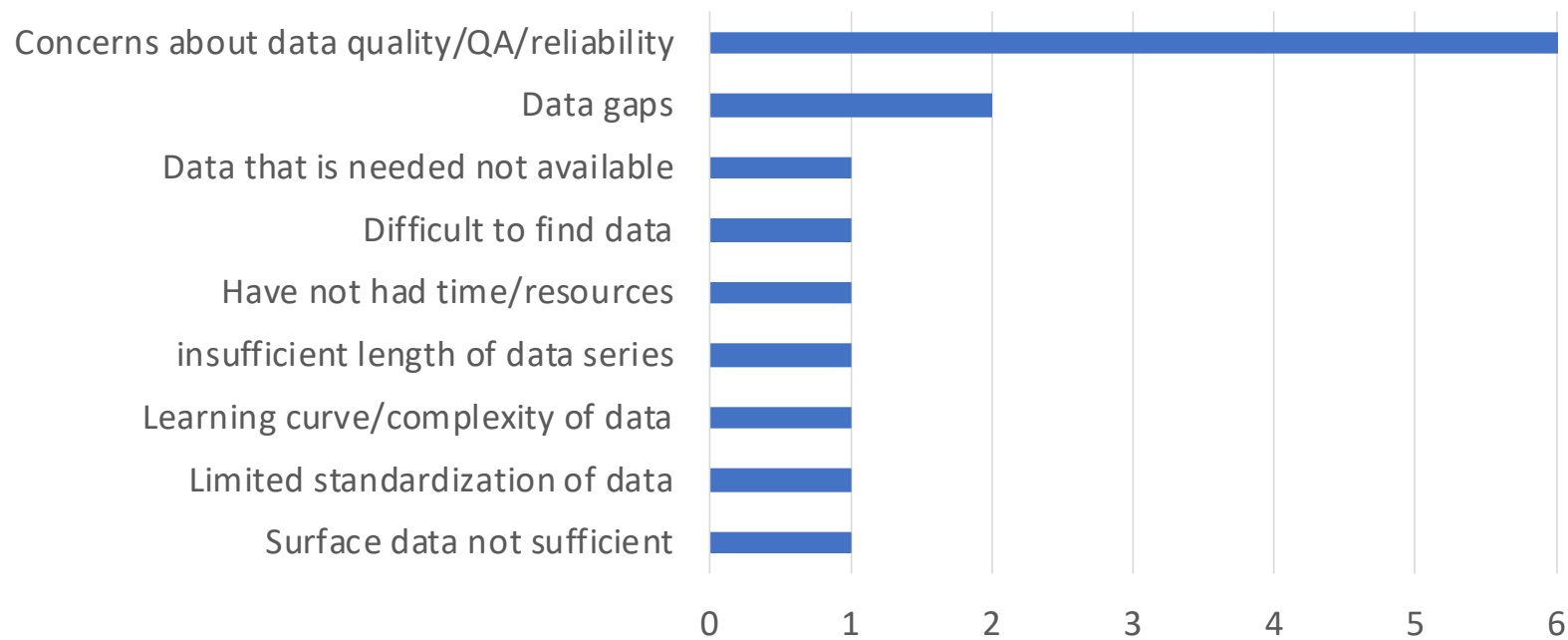


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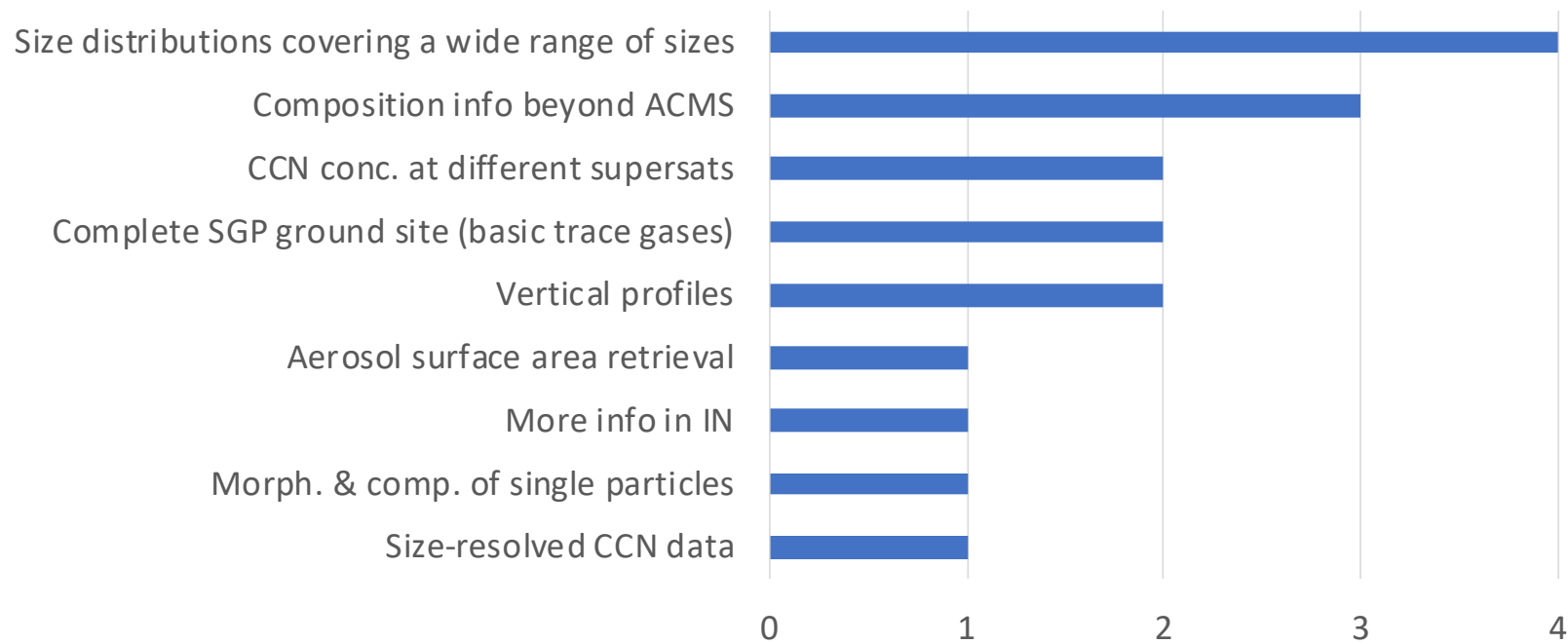
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Next steps

- More survey participants in 2nd round:
 - 200 NSF PIs (from relevant NSF programs)
 - 10 NASA scientists (list from Alison)
 - 5 NCAR scientists (ACOM staff)
- Any other survey participants to suggest?
- Other comments or suggestions?