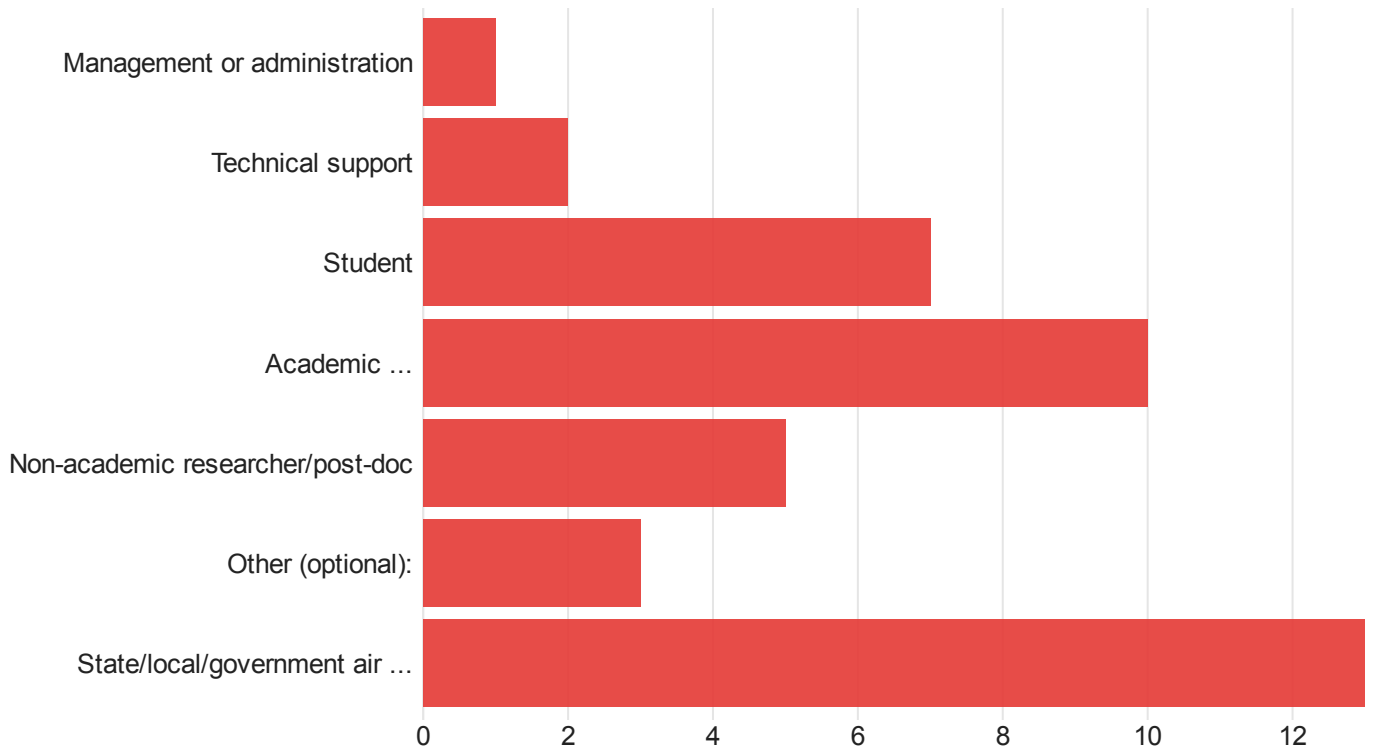


Q2 - Describe your primary role: (Choose the best answer)



Field Describe your primary role: (Choose the best answer) -
Selected Choice

Describe your primary role: (Choose the best answer) -
Selected Choice

Field	Choice Count
Management or administration	1
Technical support	2
Student	7
Academic research/associate/post-doc	10
Non-academic researcher/post-doc	5
State/local/government air quality manager	13

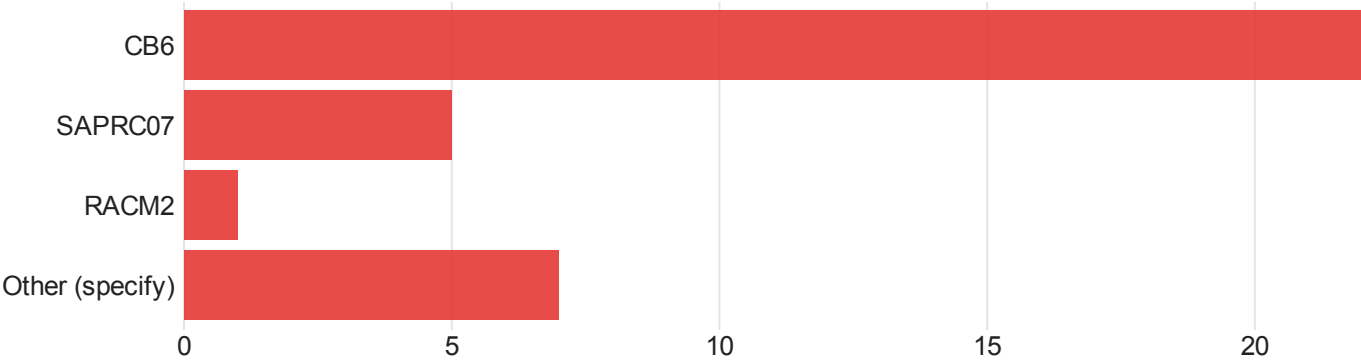
Other (optional):	3
Total	41

Select a Metric

An unexpected error has occurred

Select a Metric

Q29 - What chemical mechanism(s) do you use or want to use?



Field

What chemical mechanism(s) do you use or want to use?
- Selected Choice

What chemical mechanism(s) do you use or want to use?
- Selected Choice

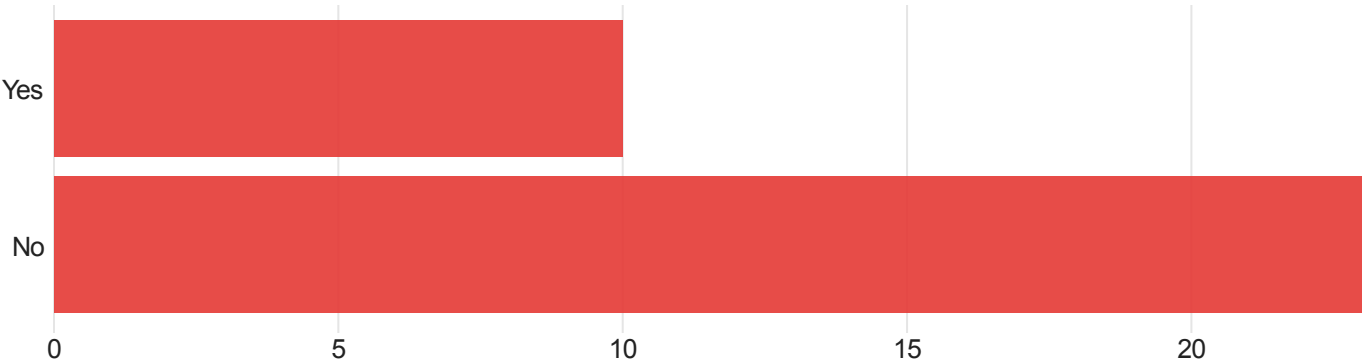
Field	Choice Count
CB6	22
SAPRC07	5
RACM2	1
Other (specify)	7
Total	35

Select a Metric

An unexpected error has occurred

Select a Metric

Q30 - The CMAQ team recommends using the "inline" module for computing photolysis rates and is planning to eliminate the JPROC utility. Do you use currently use the JPROC utility to compute photolysis rates?



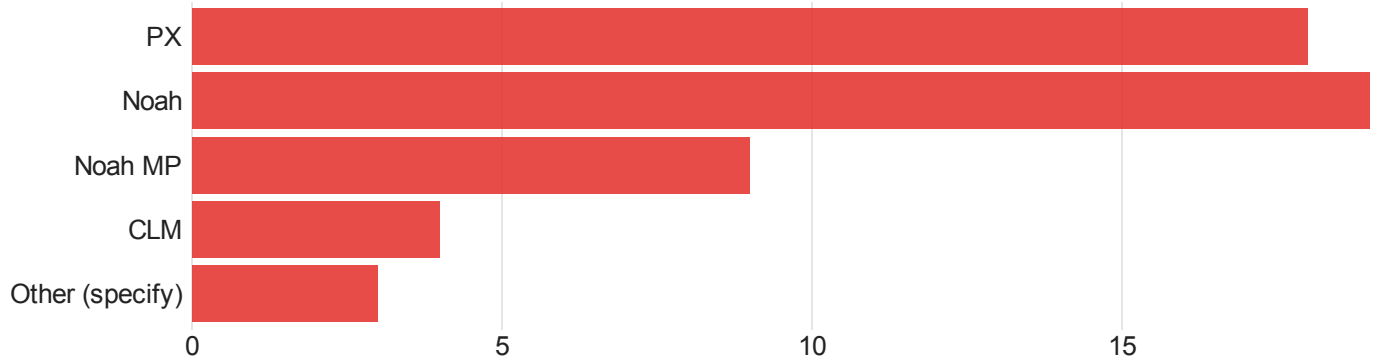
Field

The CMAQ team recommends using the "inline" module for computing photolysis rates and is planning to eliminate the JPROC utility. Do you use currently use the JPROC utility to compute photolysis rates?

The CMAQ team recommends using the "inline" module for computing photolysis rates and is planning to eliminate the JPROC utility. Do you use currently use the JPROC utility to compute photolysis rates?

Field	Choice Count
Yes	10
No	23
Total	33

Q31 - What land surface models do you use in WRF for input to CMAQ (select all that apply):



Field What land surface models do you use in WRF for input to CMAQ (select all that apply): - Selected Choice

What land surface models do you use in WRF for input to CMAQ (select all that apply): - Selected Choice

Field	Choice Count
PX	18
Noah	19
Noah MP	9
CLM	4
Other (specify)	3
Total	53

Select a Metric

An unexpected error has occurred

Select a Metric

Q32 - Where do you get your initial condition and boundary condition (IC/BC's) data from? What tools would be helpful to have to facilitate creation of IC/BC files?

Where do you get your initial condition and boundary condition (IC/BC's) data from? What tools would be helpful to have to facilitate creation of IC/BC files?

N/A

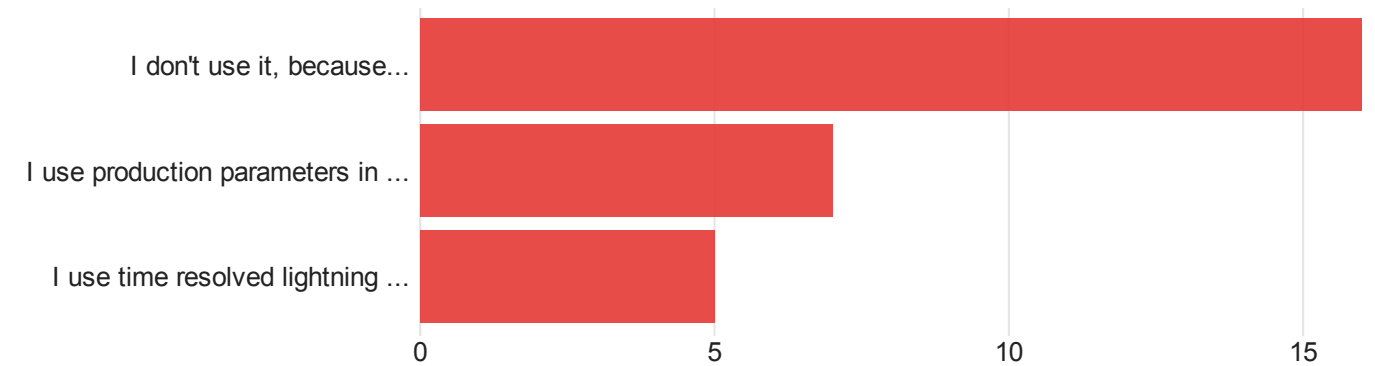
N/A

We have two sources for boundary conditions: NOAA NAQFC team provides boundary condition files daily, extracted from their operational runs to our specific domain over eastern US. We also received model ready boundary condition files for 2011 platform for 12US2 domain, as well as the 2011 GEOSCHEM output files. We use GEOS2CMAQ. Now Dr. Henderson is with EPA, we are wondering if the tool, or a new method with up-to-date mapping can be supported by EPA or by CMAS. And this is on our wishlist: we are in the process of gathering input files (other than emissions and met data) for 2016 platform. We are hoping to get EPA's 2016 36km CMAQ 3D CONC or ACONC output files and we can run BCON to extract boundary conditions for our domain. Better yet, if there is a web tool, we can just provide our GRIDDESC file as well as things like CMAQ mechanism we plan to use, and the tool will return with the boundary condition files which we can download.

N/A

N/A

Q33 - How do you use lightning data?



Field

How do you use lightning data? - Selected Choice

How do you use lightning data? - Selected Choice

Field	Choice Count
I don't use it, because...	16
I use production parameters in CMAQ	7
I use time resolved lightning data in WRF and CMAQ	5
Total	28

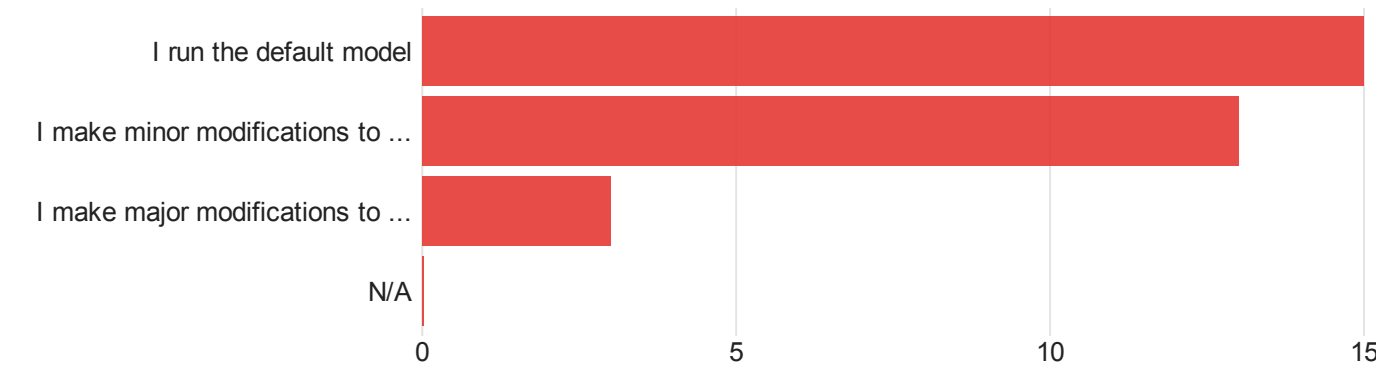
Select a Metric

An unexpected error has occurred

An unexpected error has occurred

Select a Metric

Q4 - How do you interact with the CMAQ source code?



Field How do you interact with the CMAQ source code?

How do you interact with the CMAQ source code?

Field	Choice Count
I run the default model	15
I make minor modifications to the source code	13
I make major modifications to the source code	3
N/A	0
Total	31

Q34 - What science options, model features or diagnostic tools need to be added or improved? Are there particular weaknesses in the current build procedure and library dependencies. How should they be addressed?

What science options, model features or diagnostic tools need to be added or improved? Are there particular weaknesses in the current build procedure and library dependencies. How should they be addressed?

N/A

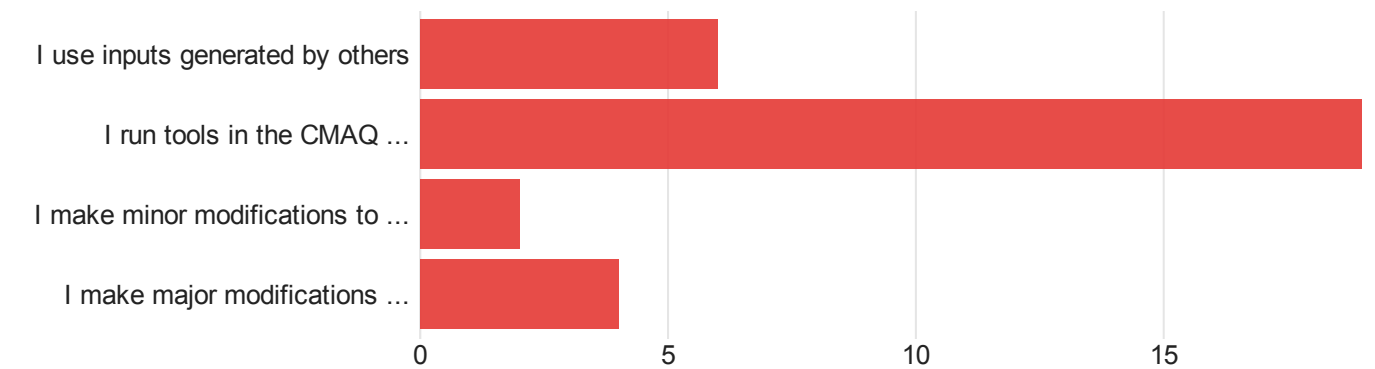
N/A

The current options meet our needs.

N/A

N/A

Q36 - How do you interact with inputs to the CMAQ system?



Field

How do you interact with inputs to the CMAQ system?

How do you interact with inputs to the CMAQ system?

Field	Choice Count
I use inputs generated by others	6
I run tools in the CMAQ modeling system to create inputs (MCIP, SMOKE)	19
I make minor modifications to these tools	2
I make major modifications and/or make my own tools	4
Total	31

Q37 - If CMAQ inputs (emissions, meteorology) were made available by the EPA and CMAS, what type of inputs would you be most likely to utilize?

If CMAQ inputs (emissions, meteorology) were made available by the EPA and CMAS, what type of inputs would you be most likely to utilize?

N/A

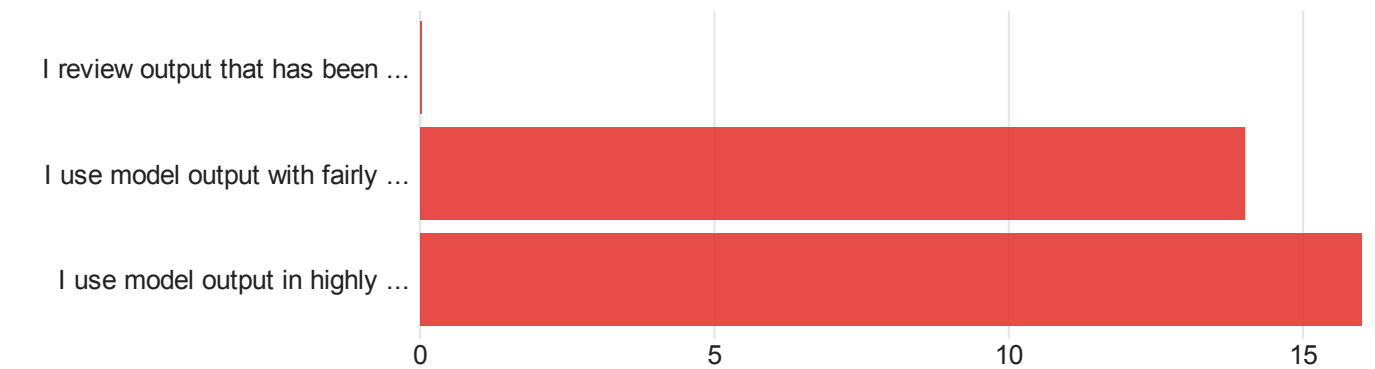
N/A

for meteorology, we would like to receive WRF hourly history output files. If WPS and WRF input files and namelists are available that's even better. for emissions, EMF/SMOKE run scripts and reports are most useful. we are also looking for other input files, like CAMQ ready EPIC files, as well as boundary condition files I mentioned earlier.

N/A

N/A

Q38 - How do you interact with outputs from the CMAQ system?



Field

How do you interact with outputs from the CMAQ system?

How do you interact with outputs from the CMAQ system?

Field	Choice Count
I review output that has been analyzed by others	0
I use model output with fairly standard post processing methods	14
I use model output in highly customized ways	16
Total	30

Q39 - If CMAQ outputs were made available by the EPA and CMAS, what type of outputs would you be most likely to utilize (e.g. format, spatial domain, temporal scale)?

If CMAQ outputs were made available by the EPA and CMAS, what type of outputs would you be most likely to utilize (e.g. format, spatial domain, temporal scale)?

N/A

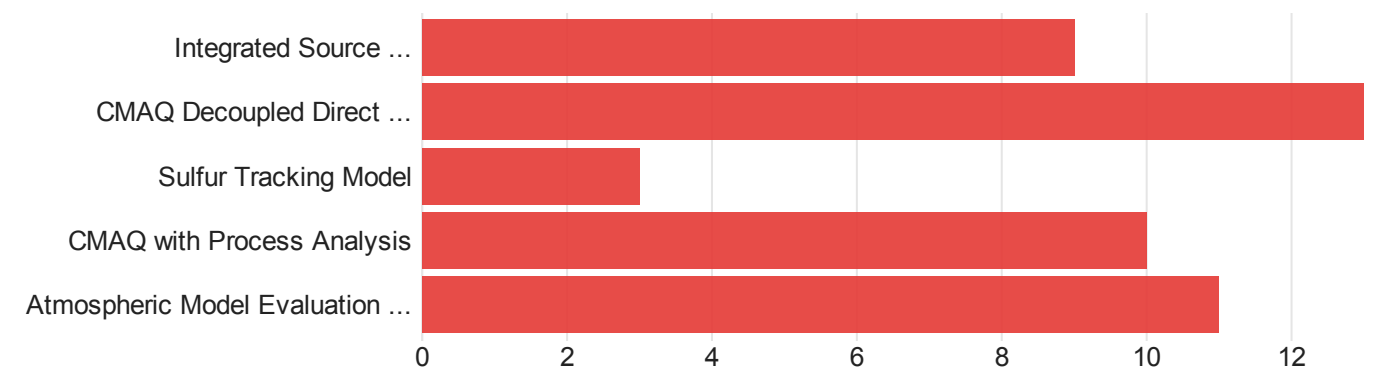
N/A

ACONC files at surface level, either the raw files or processed by combine utility. In IOAPI format, hourly, 12US1/12US2 domain DRY and WET dep files

N/A

N/A

Q40 - Which of the following tools or models have you used (select all that apply):



Field	Choice Count
Integrated Source Apportionment Method (ISAM)	9
CMAQ Decoupled Direct Method 3D	13
Sulfur Tracking Model	3
CMAQ with Process Analysis	10
Atmospheric Model Evaluation Tool (AMET)	11
Total	46

Q41 - If you have used any of these tools or models, please share the application(s) they were used for. If you have not used a tool or model please let us know why not.

If you have used any of these tools or models, please share the application(s) they were used for. If you have not used a tool or model please let us know why not.

N/A

N/A

for CMAQ/ISAM, to compare with EPA/OAQPS' results using CAMx do not use CMAQ DDM3D since other group in OTC is doing that do not use sulfur tracking model - no need do not use Process Analysis - we should, but never get to it only use some script from AMET - setting up database and SQL is a big deal for us and we have a hard time getting blessing from IT

N/A

N/A

Q42 - How should we improve the CMAQ website (<http://www.epa.gov/CMAQ>)?

How should we improve the CMAQ website (<http://www.epa.gov/CMAQ>)?

N/A

N/A

It is good for me.

N/A

N/A

Q43 - How should we improve the documentation for CMAQ?

How should we improve the documentation for CMAQ?

N/A

N/A

Most of the current documentations are in markdown from on Github and our IT blocks our access to Github. We hope the documentations can be on some wiki site, or available in PDF

N/A

N/A

Q44 - CMAS and EPA are interested in supporting more community contributions.

Are you interested in contributing to the development, testing, and evaluation of specific model features? Do you have code that you would like to contribute? Are you interested in contributing model data to the community, if so, what type of data? Please include your contact information and area of interest.

CMAS and EPA are interested in supporting more community contributions. Are you interested in contributing to the development, testing, and evaluation of specific model features? Do you have code that you would like to contribute? Are you interested in contributing model data to the community, if so, what type of data? Please include your contact information and area of interest.

N/A

N/A

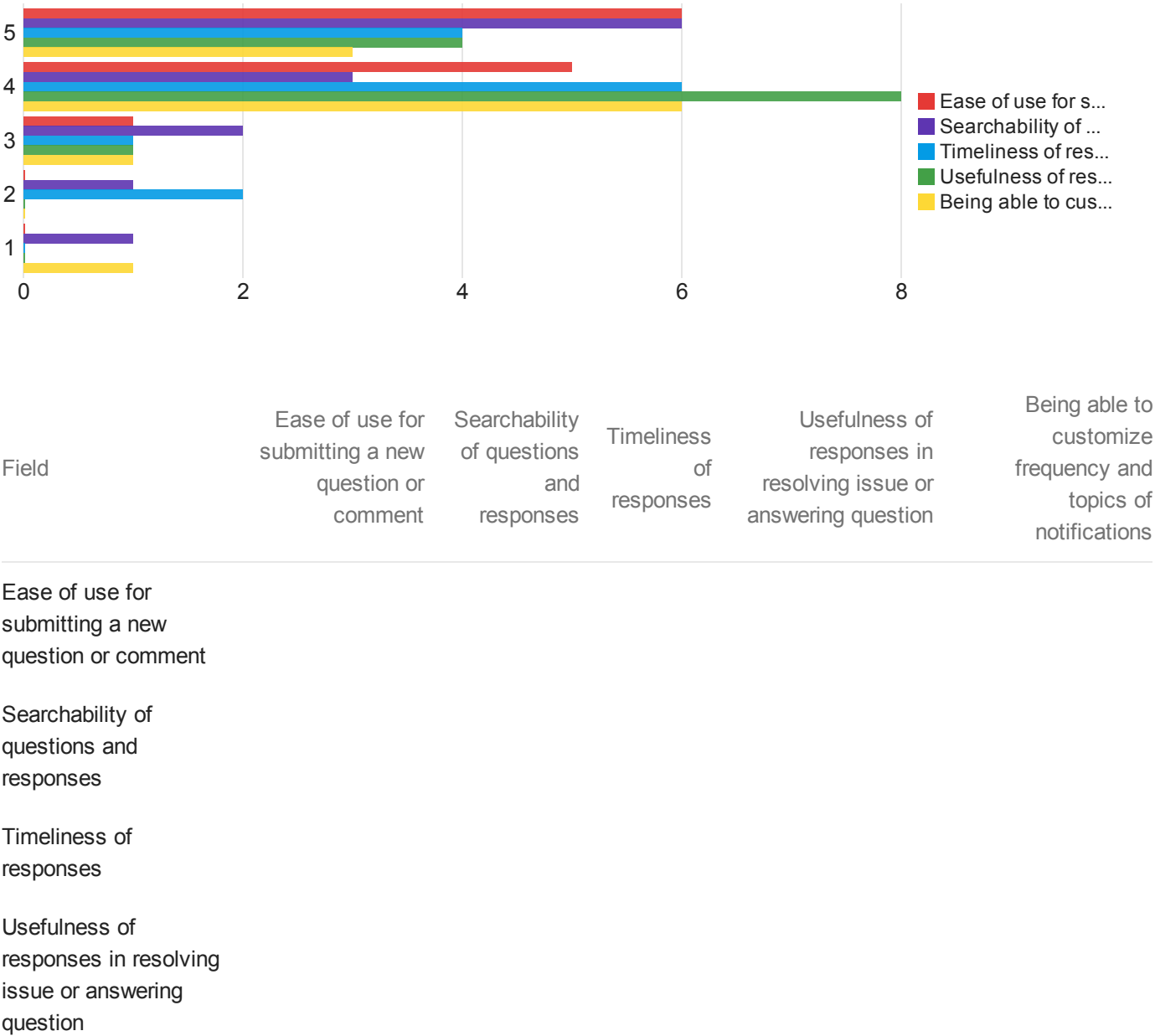
no

N/A

N/A

Q11 - The CMAS Center has recently launched a new user forum for discussion and support of atmospheric modeling software:<https://forum.cmascenter.org/>. How would you rate the new system, particularly as compared to the m3user listserve.

5: Very useful
1: Not at all useful
Select NA if you feel unable to determine/have no basis to determine



Being able to customize frequency and topics of notifications

Field	5	4	3	2	1	Total
Ease of use for submitting a new question or comment	6	5	1	0	0	12
Searchability of questions and responses	6	3	2	1	1	13
Timeliness of responses	4	6	1	2	0	13
Usefulness of responses in resolving issue or answering question	4	8	1	0	0	13
Being able to customize frequency and topics of notifications	3	6	1	0	1	11

Q13 - Additional feedback on the CMAS Center Forum or the m3user listserve:

Additional feedback on the CMAS Center Forum or the m3user listserve:

N/A

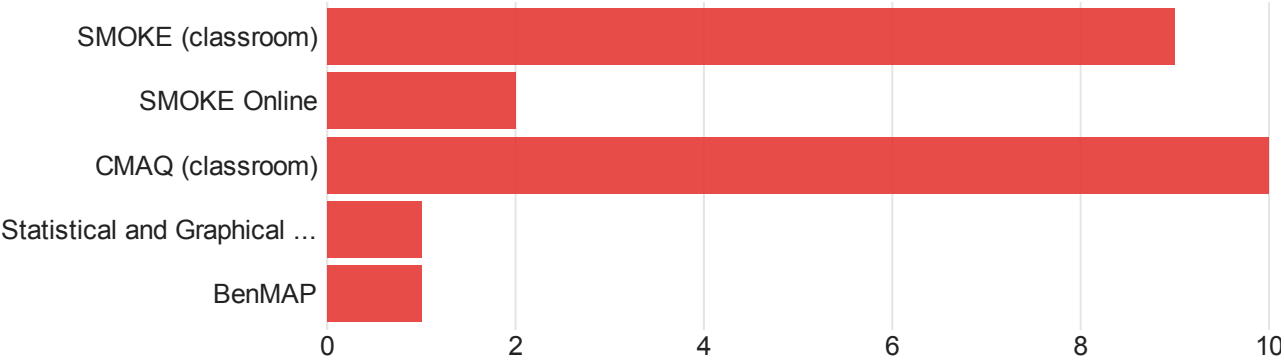
N/A

the old m3user postings are still searchable, but I have to look around to find out how to do it. I hope it can be more obvious. If on new CMAS Center Forum, a feature to search the old m3user archive would be great.

N/A

N/A

Q46 - Which of the following training classes have you taken (select all that apply):



Field

Which of the following training classes have you taken
(select all that apply):

Which of the following training classes have you taken
(select all that apply):

Field	Choice Count
SMOKE (classroom)	9
SMOKE Online	2
CMAQ (classroom)	10
Statistical and Graphical Analysis Tools (AMET + VERDI) (classroom)	1
BenMAP	1
Total	23

Q47 - What additional training classes are you interested in?

What additional training classes are you interested in?

CMAQ/ISAM, CAMQ/DDM3D

CoST, EMF, WRF-CMAQ

Python (including PseudoNetCDF), MPAS, FV3

advanced CMAQ

None, I read the manual & code if necessary.

development and application of Reduced Complex Model

WRF

python for model data prep/postp

CMAQ-ISAM CMAQ-DDM CMAQ-Adjoint Spatial Allocator

code optimization

Q25 - We welcome any other comments you have about the CMAQ modeling system.

We welcome any other comments you have about the CMAQ modeling system.

N/A

N/A

N/A

N/A

N/A