

UCAR 2009 Community Survey
and
Comparison with 2000 and 2004
surveys

PACUR

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Roughly Right vs Precisely Irrelevant



UCAR Community Surveys 2000-2005-2009

Year	#sent	#resp	%resp
2000	2038	599	29%
2005	3572	1353	38%
2009	15,535	2,215	14%

Fall 2000 UCAR Quarterly President's Corner

<http://www.ucar.edu/communications/quarterly/fall00/president.html>

Summer 2009 UCAR Quarterly President's Corner (in preparation)

Public web site of complete results: http://www.ucar.edu/survey/2009_comm/

1. Discipline (2000)

Number of responses	1	2	3
Atmospheric sci/meteor	305	76	25
Atmospheric chemistry	25	39	20
Climatology	32	92	37
Oceanography	61	23	17
Astronomy/solar phys	30	16	10
Solar-terrestrial	35	24	10
Biological sciences	5	8	10
Computer science	22	23	35
Social sciences	2	0	0
Engineering	17	22	11
Physics	25	34	27
Hydrology	4	20	23
Geology/geophysics	24	15	12
Other	20	19	14

1. Discipline (2005)

Number of responses	1	2	3
Atmospheric sci/meteor	589	175	66
Atmospheric chemistry	57	57	48
Climate	143	215	116
Oceanography	49	52	66
Astronomy/solar phys	13	6	14
Solar-terrestrial	1	6	8
Biological sciences	17	24	7
Computer science	26	68	64
Social sciences	10	6	14
Engineering	24	30	27
Physics	13	29	35
Hydrology	20	33	53
Geology/geophysics	18	12	16
Remote sensing	38	92	75
Other	33	26	33

1. Discipline (2009)

Number of responses	1	2	3
Atmospheric sci/meteor	391	181	70
Atmospheric chemistry	52	46	35
Climate	55	153	79
Oceanography	63	36	44
Astronomy/solar phys	64	16	17
Solar-terrestrial	52	35	22
Biological sciences	31	18	22
Computer science	30	38	46
Social sciences	19	8	6
Engineering	36	24	31
Physics	30	46	44
Hydrology	27	19	39
Geology/geophysics	26	16	21
Remote sensing	44	82	71
Other	88	35	28

2. Principal Employer (2000)

College/university	453	77%
Fed Govt	90	15%
Private non profit	23	4%
Private for profit	14	2%
Other	10	2%

2. Principal Employer (2005)

College/university	664	63%
Fed Govt	225	21%
Private non profit	43	4%
Private for profit	79	8%
Other	43	4%

2. Principal Employer (2009)

College/university	633	59%
Fed Govt	225	21%
Private non profit	56	5%
Private for profit	63	6%
Other	101	9%

3. Is Your Institution? (2000)

Member of UCAR	298	42%
Academic Affiliate	61	9%
International Affiliate	5	1%
Unidata participant	105	12%
UNAVCO participant	14	2%
Sponsor of a UCAR prog	27	4%
None of the above	97	14%
Don't know	103	15%

3. Is Your Institution? (2005)

Member of UCAR	309	27%
Academic Affiliate	57	5%
International Affiliate	17	1%
Unidata participant	79	7%
SuomiNet participant	40	3%
Sponsor of a UCAR prog	35	3%
None of the above	384	33%
Don't know	244	21%

3. Is Your Institution? (2009)

Member of UCAR	252	22%
Academic Affiliate	54	5%
International Affiliate	32	3%
Unidata participant	57	5%
SuomiNet participant	15	1%
Sponsor of a UCAR prog	54	5%
None of the above	246	21%
Don't know	436	38%

4. Position level? 2000

Student	30	5%
Entry level (Asst Prof, Sci I...)	79	13%
Mid level (Assoc Prof, Sci II..)	140	23%
Sr level (Prof, Senior Sci... Meteor in Charge, Sr Sci Off, Associate Dir, Assoc VP	238	40%
Executive lvl, Dir, VP, Chair of Dept, Dean, President	75	13%
N.A. (e.g. retired)	4	1%
Other	30	5%

4. Position level? 2005

Student	148	14%
Entry level (Asst Prof, Sci I...)	212	20%
Mid level (Assoc Prof, Sci II..)	272	26%
Sr level (Prof, Senior Sci... Meteor in Charge, Sr Sci Off, Associate Dir, Assoc VP	298	28%
Executive lvl, Dir, VP, Chair of Dept, Dean, President	77	7%
N.A. (e.g. retired)	8	1%
Other	39	4%

4. Position level? 2009

Student	93	9%
Entry level (Asst Prof, Sci I...)	179	17%
Mid level (Assoc Prof, Sci II..)	250	23%
Sr level (Prof, Senior Sci... Meteor in Charge, Sr Sci Off, Associate Dir, Assoc VP	383	36%
Executive lvl, Dir, VP, Chair of Dept, Dean, President	75	7%
N.A. (e.g. retired)	21	2%
Other	73	7%

Relationship with UCAR past 10 yr (2000)

Collaborator	235	14%
Visitor	241	14%
User of community model	177	10%
User of data set or data stream	274	16%
User of obs facility (e.g. aircraft..)	84	5%
User of computational facility	153	9%
User of UCAR software (e.g. NCAR graphics..)	187	11%
User of educational facility or product (e.g. COMET, Skymath....)	111	7%
Member of adv panel, committee	130	8%
Participation in advocacy activities	72	4%
Participation in SOARS	9	1%
Sponsor of a UCAR program	24	1%

Relationship with UCAR past 10 yr (2005)

Collaborator	320	10%
Visitor	369	11%
User of community model	660	20%
User of data set or data stream	566	17%
User of obs facility (e.g. aircraft..)	103	3%
User of computational facility	235	7%
User of UCAR software (e.g. NCAR graphics..)	521	16%
User of educational facility or product (e.g. COMET modules)	204	6%
Member of adv panel, committee	117	4%
Participation in advocacy activities	52	2%
Participation in SOARS	23	1%
Sponsor of a UCAR program	20	1%

Relationship with UCAR past 10 yr (2009)

Collaborator	436	14%
Visitor	486	16%
User of community model	351	12%
User of data set or data stream	428	14%
User of obs facility (e.g. aircraft..)	94	3%
User of computational facility	164	5%
User of UCAR software (e.g. NCAR graphics..)	355	12%
User of educational facility or product (e.g. COMET modules)	214	7%
Member of adv panel, committee	130	3%
Participation in advocacy activities	39	1%
Participation in SOARS	21	1%
Sponsor of a UCAR program	23	1%
User UCAR Service (e.g. JOSS, VSP)	141	5%

UCAR positions held past 10 yr (2000)

Members Rep	83	11%
Trustee	18	2%
URC	22	3%
UCAR Nom Com	6	1%
UCAR Membership Com	14	2%
SPEC	10	1%
NCAR Post Doctorate appt	13	2%
NCAR Affiliate Scientist	12	2%
Visitor to NCAR	162	22%
Visitor to UOP	23	3%
UOP Visiting Sci Prog	14	2%
Member of NCAR or UOP adv com	68	9%
Formal reviewer of NCAR or UOP	33	5%
SOARS mentor	11	1%
None of above	262	35%

UCAR positions held past 10 yr (2005)

Members Rep	77	6%
Trustee	17	1%
URC	20	2%
UCAR Nom Com	12	1%
UCAR Membership Com	18	1%
SPEC	7	1%
NCAR Post Doctorate appt	14	1%
NCAR Affiliate Scientist	12	1%
Visitor to NCAR	284	22%
Visitor to UOP	31	2%
UOP Visiting Sci Prog	13	1%
Member of NCAR or UOP adv com	70	6%
Formal reviewer of NCAR or UOP	20	2%
SOARS mentor	18	1%
None of above	648	51%

UCAR positions held past 10 yr (2009)

Members Rep	49	4%
Trustee	12	1%
URC	10	1%
UCAR Nom Com	8	1%
UCAR Membership Com	9	1%
SPEC	5	0%
NCAR Post Doctorate appt	13	2%
NCAR Affiliate Scientist	22	2%
Visitor to NCAR	394	31%
Visitor to UOP	47	4%
UOP Visiting Sci Prog	54	4%
Member of NCAR or UOP adv com	69	5%
Formal reviewer of NCAR or UOP	18	1%
SOARS mentor	26	2%
None of above	536	41% ²¹

Interactions with NCAR and UOP (2000)

ACD	52	COMET	96
CGD	133	JOSS	61
HAO	62	UNAVCO	22
MMM	131	GPS/MET	16
ASP	30	PAGE	23
ESIG	24	VSP	42
RAP	38	Unidata	104
ATD	77		
SCD	108	Advocacy	31
Other	9	Education	23
		SOARS	12

Interactions with NCAR and UOP (2005)

ACD	84	COMET	192
CGD	243	JOSS	148
HAO	12	UNAVCO	22
MMM	333	COSMIC	53
ASP	72	DLESE	66
ISSE	80	VSP	81
RAL	75	Unidata	275
ATD	104	GLOBE	48
SCD	281	Advocacy	46
Image	24	Edu-SOARS	71
TIMES	22	Communic	168

Interactions with NCAR and UOP (2009)

ACD	119	COMET	239
CGD	254	JOSS	157
HAO	126	UNAVCO	---
MMM	321	COSMIC	106
ASP	153	DLESE	63
ISSE	---	VSP	199
RAL	145	Unidata	291
EOL	141	GLOBE	93
CISL	178	Advocacy	57
Image	72	Edu-SOARS	129
TIMES	---	Communic	259
NSDL	65		

Part III

Challenges, Issues and Future UCAR Activities

Should the level and quality of interdisciplinary research in the atmospheric sciences be increased?

	2000	2005	2009
YES	376	408	638
NO	35	22	39
Same level	---	91	149
Don't know/ not sure	114	73	157

Is the academic community (including UCAR) organized adequately to carry out IR?

YES	151	186	337
NO	177	153	199
Don't know/ not sure	198	255	440

2.3 Are the funding agencies organized adequately to support IR? (2000)

YES	67	13%
NO	291	55%
Don't know/ not sure	167	32%

2.3 Are the funding agencies organized adequately to support IR? (2005)

YES	86	15%
NO	259	44%
Don't know/ not sure	248	42%

2.3 Are the funding agencies organized adequately to support IR? (2009)

YES	189	20%
NO	356	37%
Don't know/ not sure	424	44%

How far should UCAR go toward IR?

	2005		2009	
Too much, reduce a lot	7	1%	4	1%
Reduce somewhat	25	5%	31	4%
OK as is	174	32%	241	27%
Increase somewhat	276	50%	430	49%
Increase a lot	67	12%	178	20%

Increasing support for interdisciplinary research

Do the atmospheric sciences attract and keep the best and brightest graduate students? (2000)

YES	80	15%
NO	254	49%
Don't know/ not sure	188	36%

Many cited low pay and/or lack of jobs as the reason.

Do the atmospheric sciences attract and keep the best and brightest graduate students? (2005)

YES	147	25%
NO	193	33%
Don't know/ not sure	253	43%

Do the atmospheric sciences attract and keep the best and brightest graduate students? (2009)

YES	225	24%
NO	282	29%
Don't know/ not sure	459	48%

Not much change since 2005

Balance of types of Research (2000)

Not enough instrumentation development or education on the sources and use of observational data in universities.

A significant problem	282	57%
A minor problem	181	37%
Not a problem	28	6%

Balance of types of Research (2005)

Not enough instrumentation development or education on the sources and use of observational data in universities.

A significant problem	230	42%
A minor problem	277	50%
Not a problem	46	8%

Balance of types of Research (2009)

Not enough instrumentation development or education on the sources and use of observational data in universities.

A significant problem	448	50%
A minor problem	361	40%
Not a problem	87	10%

Has been perceived as a significant problem since 2000

Balance of types of Research

Is the distribution of research effort, at UCAR and the universities, appropriately divided among field research, modeling, theory, and laboratory work?

	2000		2005		2009	
YES	147	29%	335	68%	248	27%
NO	124	25%	150	32%	159	17%
Don't Know-						
not sure	233	46%	---	---	513	56%

Private Sector (2000)

- Do you collaborate or work with the private sector

– YES	173	34%
– NO	341	66%

- On a scale of 1-5, with 5 being the highest, how would you rate the present quality of interactions among these sectors?

	Mean	SD	N
– Academic-Govt	3.65	0.97	445
– Academic-private	2.50	0.96	410
– Govt-private	2.57	1.08	380

Private Sector (2005)

- Do you collaborate or work with the private sector

- YES 177 32%

- NO 391 69%

- On a scale of 1-5, with 5 being the highest, how would you rate the present quality of interactions among these sectors?

Mean SD N

- Academic-Govt

- Academic-private

- Govt-private

Private Sector (2009)

- Do you collaborate or work with the private sector

– YES	350	36%
– NO	624	64%

- On a scale of 1-5, with 5 being the highest, how would you rate the present quality of interactions among these sectors?

Mean SD N

- Academic-Govt
- Academic-private
- Govt-private

5. Equity and Diversity Issues

- **Essay question**
- **Most (but not all) supported efforts to increase the diversity in the atmospheric sciences**
- **A few concerns about “reverse discrimination”**

2009 only: Do you think the community is making progress?

What additional or increased areas of service to the community should UCAR consider? (2000)

Observational facilities	149	8.3%
Computational facilities	139	7.7%
Instrumentation	155	8.6%
Community models	155	8.6%
Data sets or data streams	221	12.3%
Educational/training matls	204	11.3%
Support for field programs (planning, logistics, ops and data mgmnt)	112	6.2%
Advocacy on behalf of community	135	7.5%
Provide RT data to univ	166	9.2%
Community workshops	180	10.0%
Help with recruiting grad students	158	8.8%
Other	17	0.9%
None of above	7	0.4%

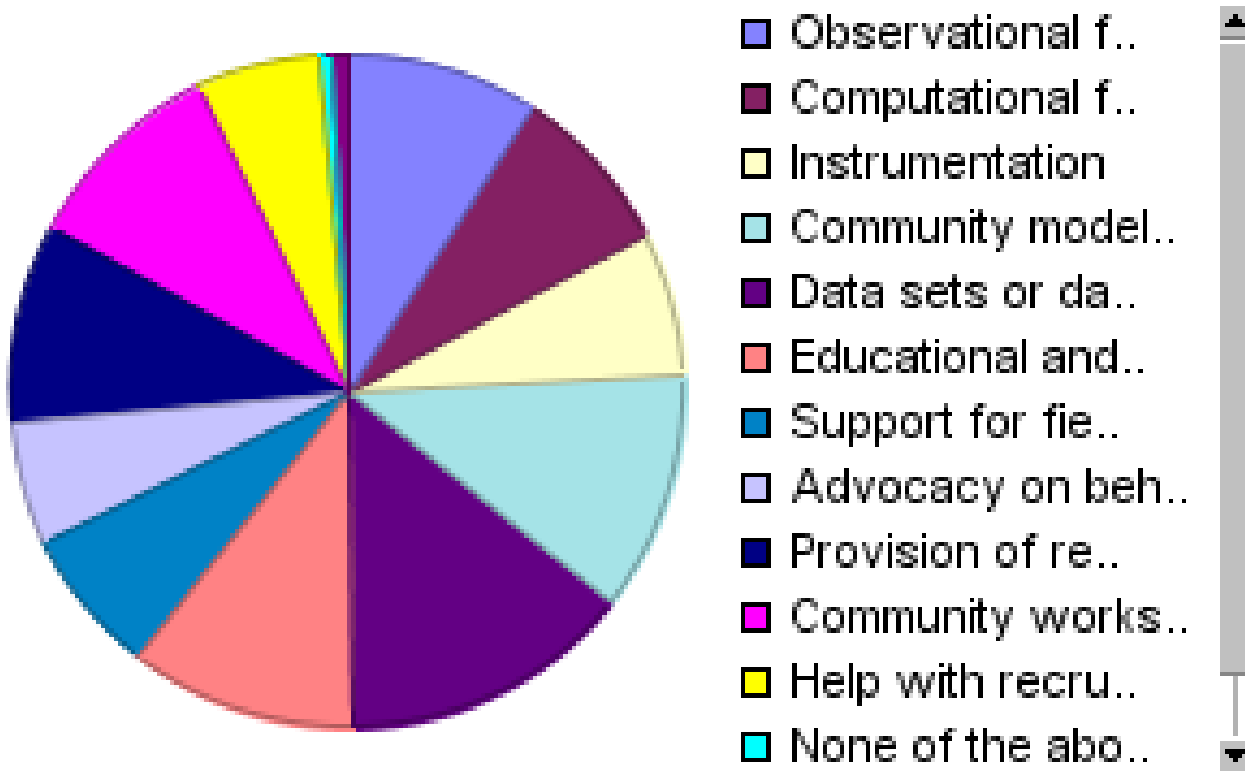
What additional or increased areas of service to the community should UCAR consider? (2005)

Observational facilities	171	9.2%
Computational facilities	153	8.2%
Instrumentation	126	6.7%
Community models	222	11.9%
Data sets or data streams	258	13.8%
Educational/training matls	209	11.2%
Support for field programs (planning, logistics, ops and data mgmnt)	127	6.8%
Advocacy on behalf of community	112	6.0%
Provide RT data to univ	174	9.3%
Community workshops	183	9.8%
Help with recruiting grad students	109	5.8%
Other	13	0.7%
None of above	12	0.6%

What additional or increased areas of service to the community should UCAR consider? (2009)

Observational facilities	302	10.3%
Computational facilities	244	8.3%
Instrumentation	229	7.8%
Community models	339	11.6%
Data sets or data streams	404	13.8%
Educational/training matls	326	11.1%
Support for field programs (planning, logistics, ops and data mgmnt)	195	6.6%
Advocacy on behalf of community	152	5.2%
Provide RT data to univ	234	8.0%
Community workshops	312	10.6%
Help with recruiting grad students	162	5.5%
Other	18	0.6%
None of above	19	0.7%

What additional or increased areas of service to the community should UCAR consider? (2005)



What additional or increased areas of service to the community should UCAR consider? (2009)

Question 7.2

What additional or increased areas of service to the community should UCAR consider? (Please check all that apply.)



- | | |
|---|--|
| <input type="checkbox"/> Observational facilities | <input type="checkbox"/> Advocacy on behalf of the community |
| <input type="checkbox"/> Computational facilities | <input type="checkbox"/> Provision of research data |
| <input type="checkbox"/> Instrumentation | <input type="checkbox"/> Community works |
| <input type="checkbox"/> Community model | <input type="checkbox"/> Help with recruitment |
| <input type="checkbox"/> Data sets or data | <input type="checkbox"/> None of the above |
| <input type="checkbox"/> Educational and training | <input type="checkbox"/> Other (please list) |
| <input type="checkbox"/> Support for field | |

7.3 What ways, if any, would you personally like to participate in, or increase your participation in UCAR activities? (2000)

Governance (adv com, Trustees, etc)	128	14%
Collaboration	245	27%
Participation in UCAR education activ	119	13%
User of UCAR observational facilities	97	11%
User of UCAR computational facilities	114	12%
User of UCAR community models	144	16%
Other	5	0.5%
None of above	62	7%

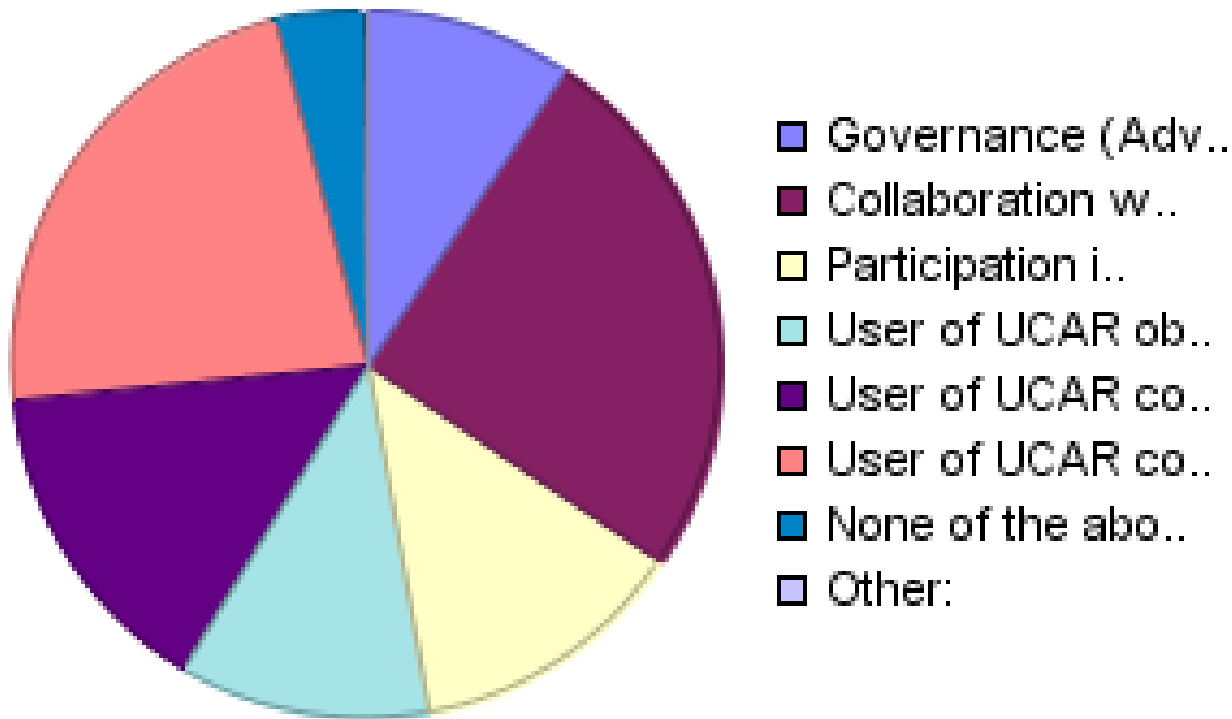
7.3 What ways, if any, would you personally like to participate in, or increase your participation in UCAR activities? (2005)

Governance (adv com, Trustees, etc)	116	10%
Collaboration	302	25%
Participation in UCAR education activ	158	13%
User of UCAR observational facilities	139	11%
User of UCAR computational facilities	177	15%
User of UCAR community models	274	23%
Other	4	0.3%
None of above	48	4%

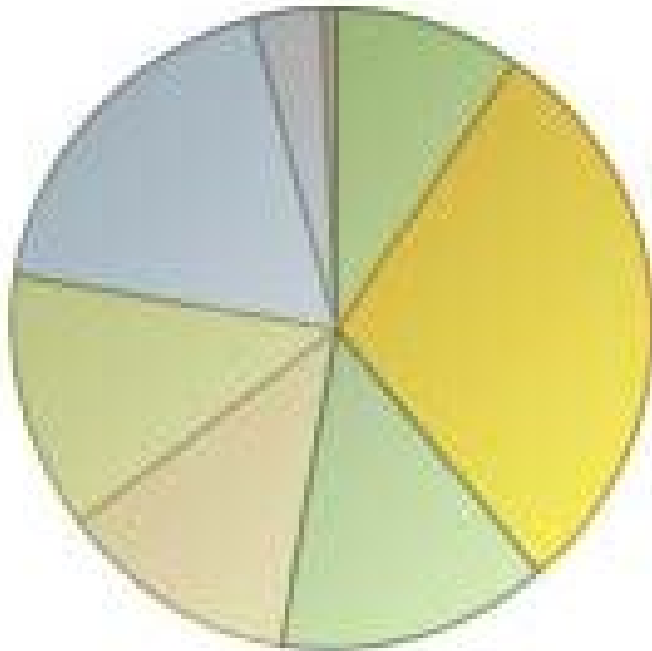
7.3 What ways, if any, would you personally like to participate in, or increase your participation in UCAR activities? (2009)

Governance (adv com, Trustees, etc)	188	10%
Collaboration	581	29%
Participation in UCAR education activ	273	14%
User of UCAR observational facilities	244	12%
User of UCAR computational facilities	252	13%
User of UCAR community models	365	18%
Other	11	0.6%
None of above	70	4%

7.3 What ways, if any, would you personally like to participate in, or increase your participation in UCAR activities? (2005)



7.3 What ways, if any, would you personally like to participate in, or increase your participation in UCAR activities? (2009)



- Governance (Adv
- Collaboration w
- Participation i
- User of UCAR/NC
- User of UCAR/NC
- User of UCAR/NC
- None of the abo
- Other: