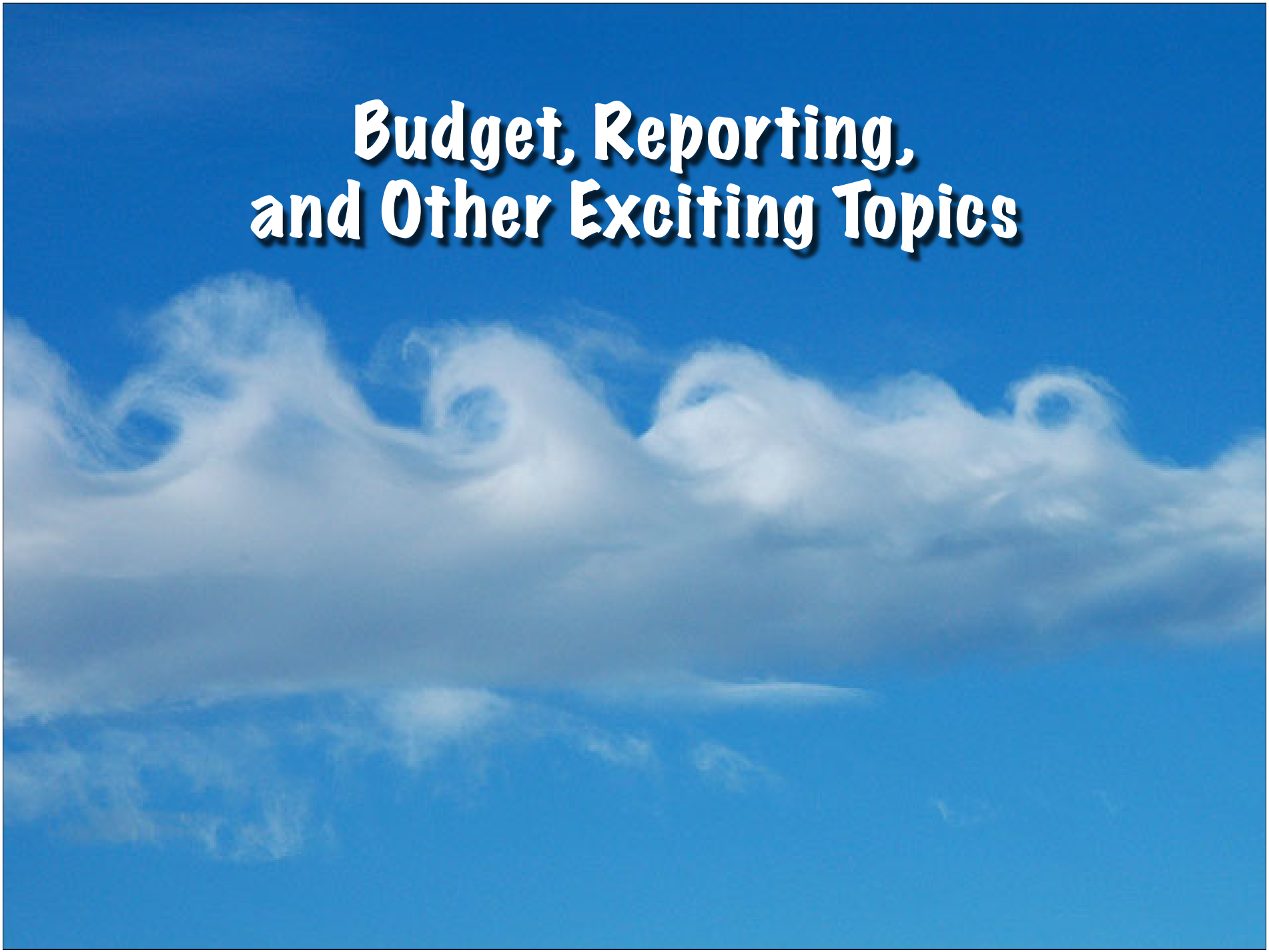
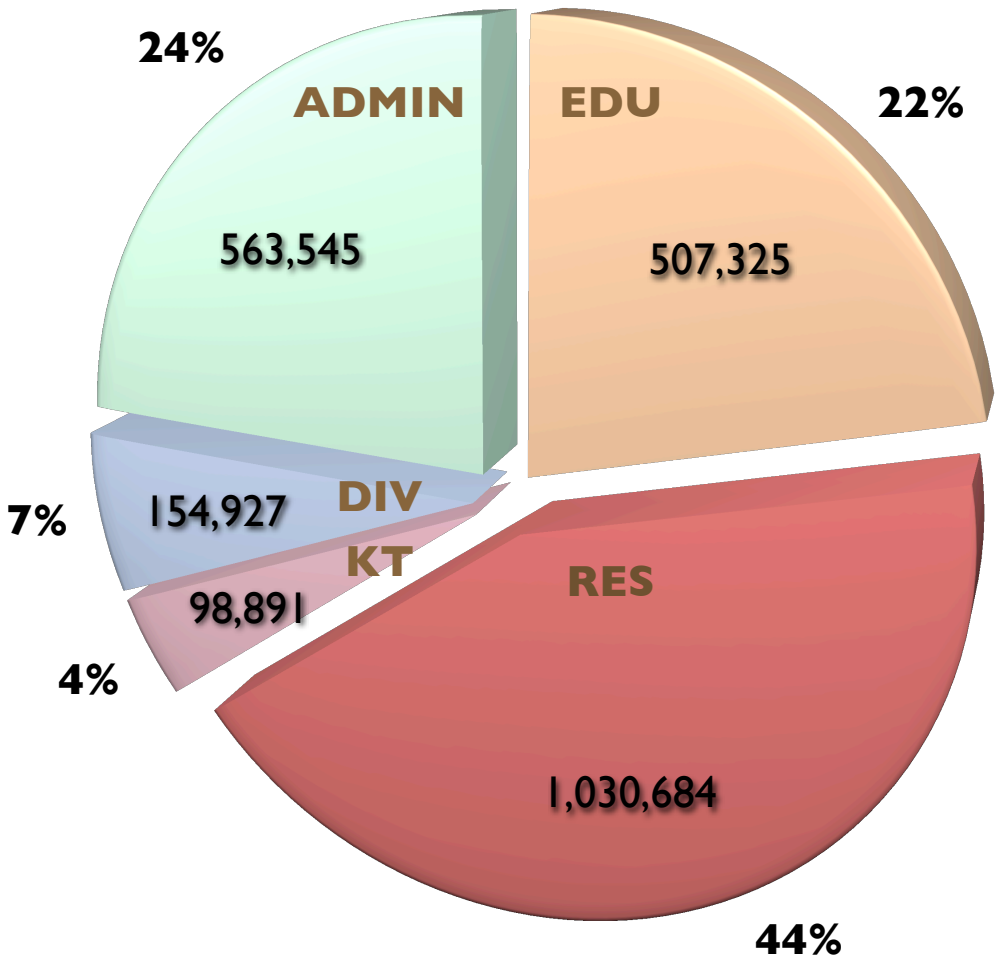
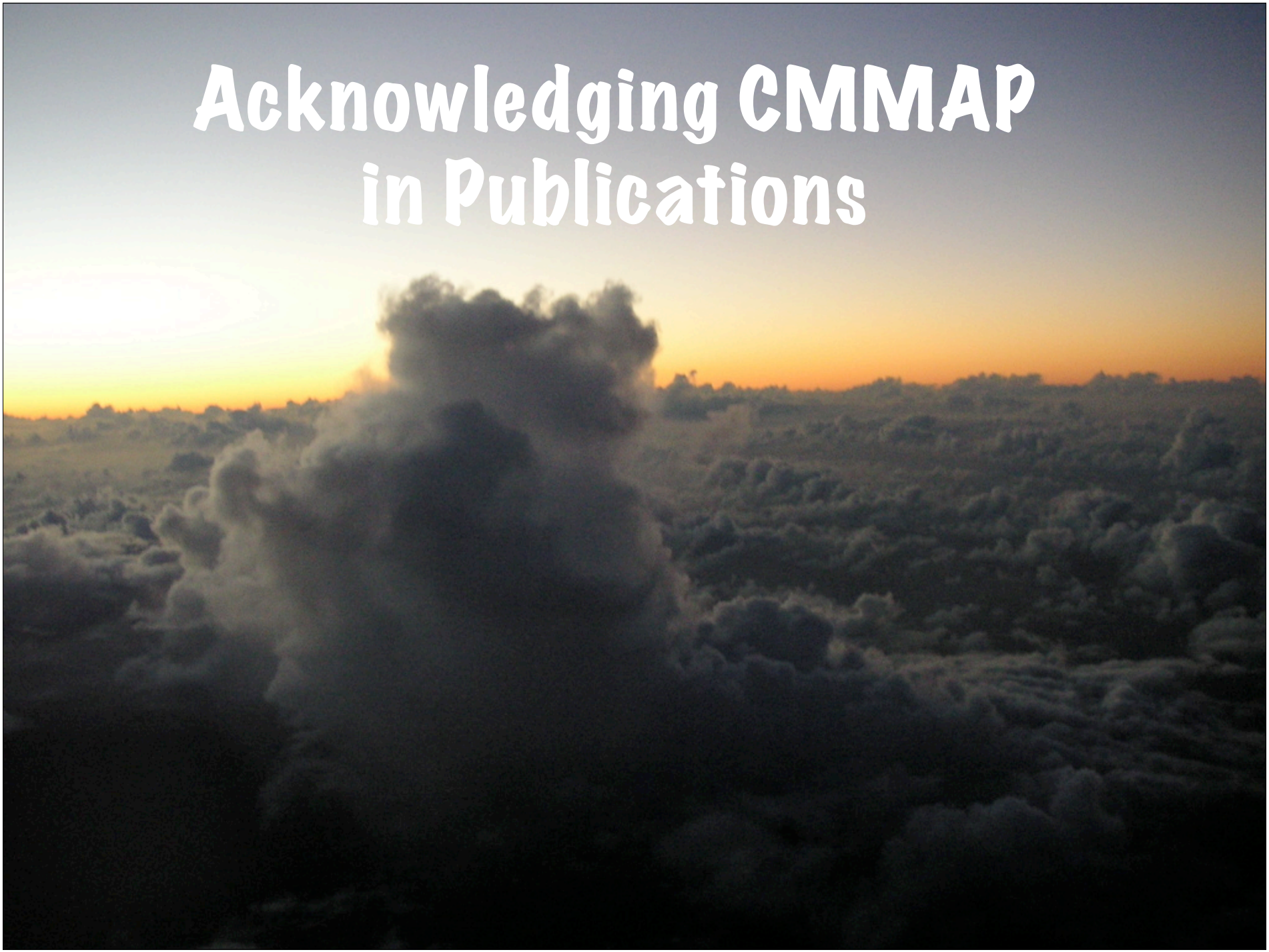

Budget, Reporting,
and Other Exciting Topics

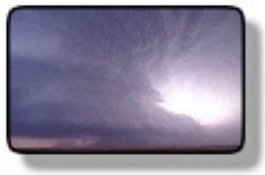
	budget	exp to date	balance	
533045	503673	563545.21	-59872.2	Master
533512	170640	141467.35	29172.65	
533513	68502	40886.89	27615.11	
533516	79831	54937.52	24893.48	Education
533517	48733	36182.19	12550.81	
533521	43418	5560.87	37857.13	
533526	226518	201487.37	25030.63	
533528	37189	26803.09	10385.91	
Totals	674831	507325.28	167505.7	
533534	79775	153766.37	-73991.4	
533540	147763	124924.45	22838.55	
533541	284380	198067.85	86312.15	
533547	178297	130584.73	47712.27	Research
533552	72402	44284.63	28117.37	
533553	227421	195666.45	31754.55	
533558	163650	109421.22	54228.78	
533563	167088	73968.45	93119.55	
Totals	1320776	1030684.2	290091.9	
533640	71974	33686.56	38287.44	
533641	24762	17539.78	7222.22	
533642	39977	19796.26	20180.74	Know. Transf
533643	29436	17314.66	12121.34	
533644	15796	10553.68	5242.32	
Totals	181945	98890.94	83054.06	
533645	150123	80167.52	69955.48	
533646	31802	9858.09	21943.91	
533647	36271	25797.5	10473.5	Diversity
533648	60579	39104.42	21474.58	
Totals	278775	154927.53	123847.5	
Total	2960000	2355373.1	604626.9	Overall


24%
ADMIN
563,545
EDU
22%
507,325
7%
154,927
DIV
KT
98,891
4%
RES
1,030,684
44%

Where is the Year 2 Money?

- Cooperative agreement amendment for Year 2 was delayed at NSF
- Subawards will be issued amended contracts as soon as CSU receives the amendment from NSF
- CSU funded people will receive your budget allocations when amendment is received.


Acknowledging CMMAP
in Publications

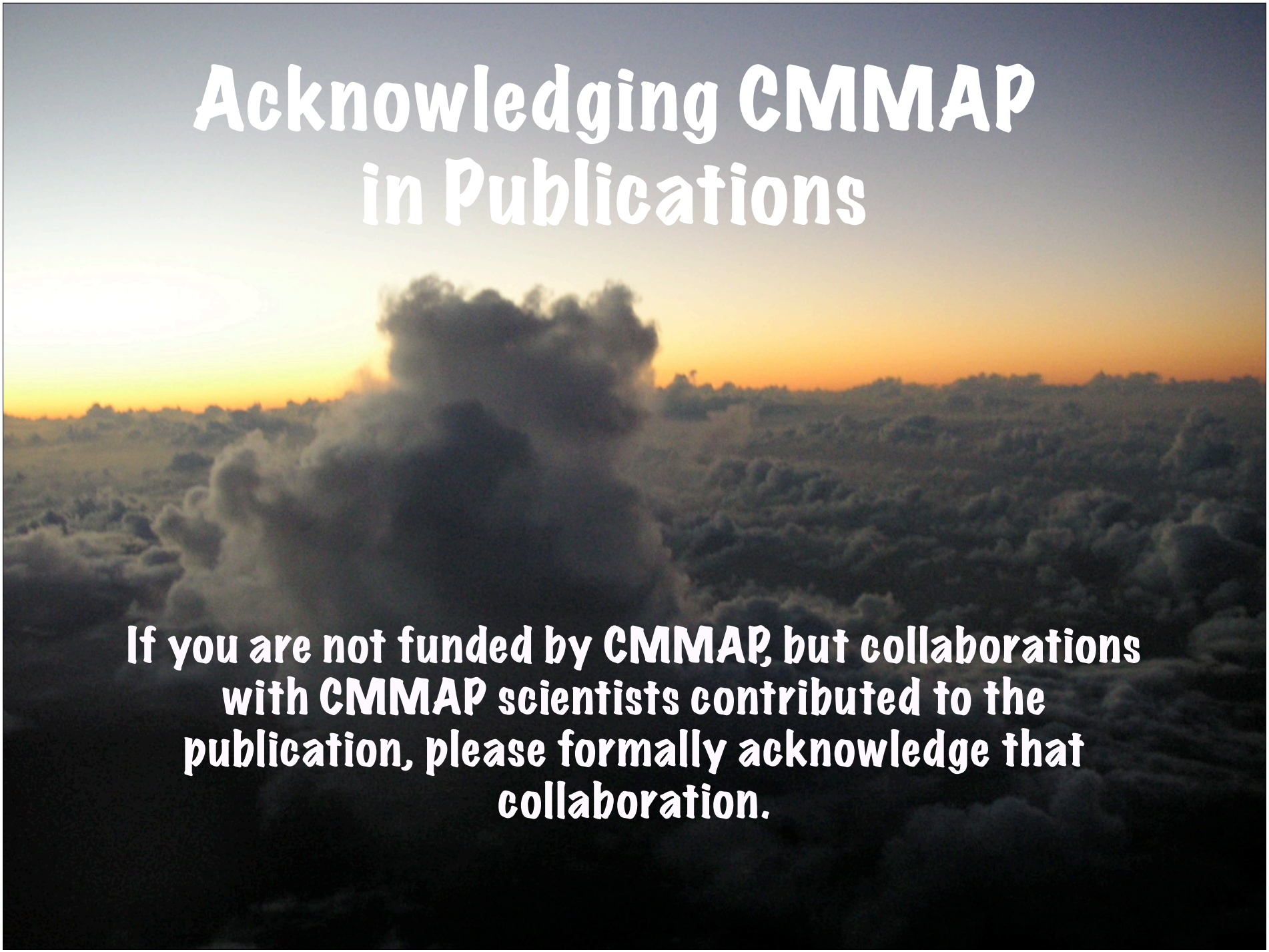


Publications

Auspices Statement

All publications which report on work supported by CMMAP (in part or in full) must contain the following:

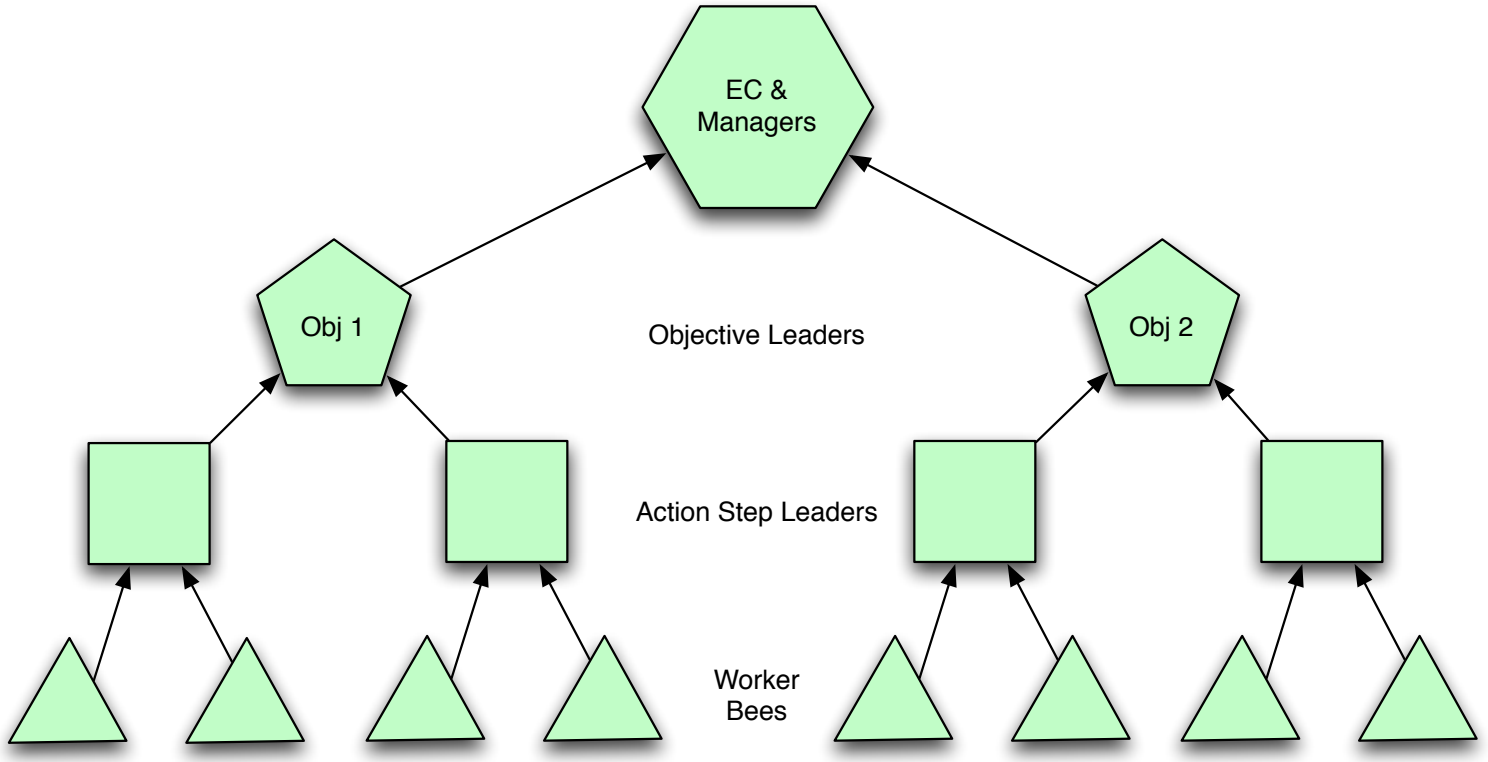
"This work has been supported by the National Science Foundation Science and Technology Center for Multi-Scale Modeling of Atmospheric Processes, managed by Colorado State University under cooperative agreement No. ATM-0425247."


Acknowledging CMMAP
in Publications
If you are not funded by CMMAP, but collaborations with CMMAP scientists contributed to the publication, please formally acknowledge that collaboration.

Reporting

- Before your eyes glaze over and your mind goes to lunch (or the beach or the bar or ...), this is relevant to every CMMAP team member.

Objective	Actions Required	Time-frame	Team Leader	Location	Supports Goal #
1. Extensions, evaluations and applications of the prototype MMF	Perform and analyze AMIP (Atmospheric Model Intercomparison Project) simulations with the prototype MMF	Year 1	Khairoutdinov	CSU	A
	Perform and analyze coupled ocean-atmosphere simulations with the prototype MMF	Year 2			
	Create and test a geodesic version of the prototype MMF	Year 2			
2. Development of a second-generation MMF	Develop and test improved numerical representation of cloud-scale dynamics	Year 2	Arakawa/ Randall	UCLA	A
	Develop and test a global cloud-resolving model	Year 2			
	Develop and test Quasi-3D MMF	Year 3			
3. Develop and test improved microphysics parameterizations for MMFs and GCRMs	Develop new microphysics parameterization and test in CSRM	Year 3	Krueger/ Kreidenweis	UU	A
	Test new parameterization in MMF and GCRM	Year 4			
4. Develop improved parameterizations of boundary-layer clouds and turbulence for use in MMFs and GCRMs	Develop new boundary-layer cloud and turbulence parameterization and test in CSRM	Year 3	Bretherton/ Moeng	UW	A
	Test new parameterization in MMF and GCRM	Year 4			
5. Test sensitivity of CSRMs to more detailed radiation calculations	Develop new radiation parameterization and test in CSRM	Year 3	Barker	MSC	A
	Test new parameterization in MMF and GCRM	Year 4			
6. Innovative analysis, evaluation and interpretation of MMF results using emerging datasets	Acquire and adapt in situ and ground-based remotely sensed datasets for use in evaluating the MMF	Ongoing	Rossow	CCNY	B
	Acquire and adapt satellite datasets for use in evaluating the MMF				
	Develop and apply advanced, non-linear, multi-variate analysis methods to enable diagnosis of multi-scale atmospheric processes.				
7. Accelerating improvement of conventional parameterizations	Develop and test improved parameterizations of cumulus convection	Ongoing	Stevens	CSU	A & C
	Develop and test improved parameterizations of stratiform clouds				
	Develop and test improved parameterizations of the boundary layer				
8. Optimal use of computational and data storage resources	Port the MMF and GCRM to a variety of computing platforms including those associated with NSF's petascale initiative	Ongoing	Helly	UCSD	A
	Efficiently distribute model output and observational datasets to users				


EC &
Managers
Obj 1
Objective Leaders
Obj 2
Action Step Leaders
Worker
Bees

Education Goal B: Enhance teaching and learning of Earth System Science at all levels.

Objective 1	**Enhance K-12 science education.**								
Team Leader	**Brian Jones**								
Action Leads	Actions 1-3 Brian Jones			Actions 4,5 Susan Foster		Action 6 Mike Lacey	Action 9 Christine Aguilar		
Action	1. Develop, distribute and test, curriculum enhancement kits for classroom teaching in local schools and make information available via web.	2. Develop climate content for LSOP and TV show to be distributed through school programs, mini programs, Channel 10, Rocky Mntn PBS, and the web.	3.Provide k-12 teacher training course to teachers every year.	4. Develop levelized climate and atmospheric science content for k-12 students and teachers via Windows to the Universe.	5. Develop and promote Web Based virtual labs designed for high school climate science teachers and students.	6. Identify and assess teachers and school system's needs for supplemental science materials/delivery systems and training.	7. Host a statewide global climate conference for high school students every year.		
Metrics for documenting actions	Summarize appropriate metrics to include appropriate: numbers	Summarize appropriate metrics to include appropriate: numbers	Summarize appropriate metrics to include appropriate: numbers	Report visits to Windows to Universe, promotion, Ask Susan	Ask Susan	Report research findings.	Summarize appropriate metrics to include appropriate: numbers		
Outcome Evaluation	Evaluation to be developed by CSU Sociology Dept in Year 2-5.	Evaluation to be developed by CSU Sociology Dept in Year 2-5.	Pre/Post test and 1 year follow up to report confidence, use, additional needs.	Ask Susan	Ask Susan	Evaluation component-no need to evaluate evaluation.	Pre and post		
Year One	Develop "Ten Things to		Middle/Junior High School	Work with Atmospheric		Focus group interviews of	Host CGCC in Fort Collins		