

KT - Journal Project

- KT Objective 4: Create a new all-electronic open-access journal for the publication of research on global environmental modeling, including a section of the new all-electronic journal for publication review article
- Background info on online scientific journals, online formats and current issues surrounding open access publishing
 - ◆ Trend toward open access
 - ◆ Impact factors in MAS journals
 - ◆ Subscription and page charges
- Fact sheet with the new journal's scope and description

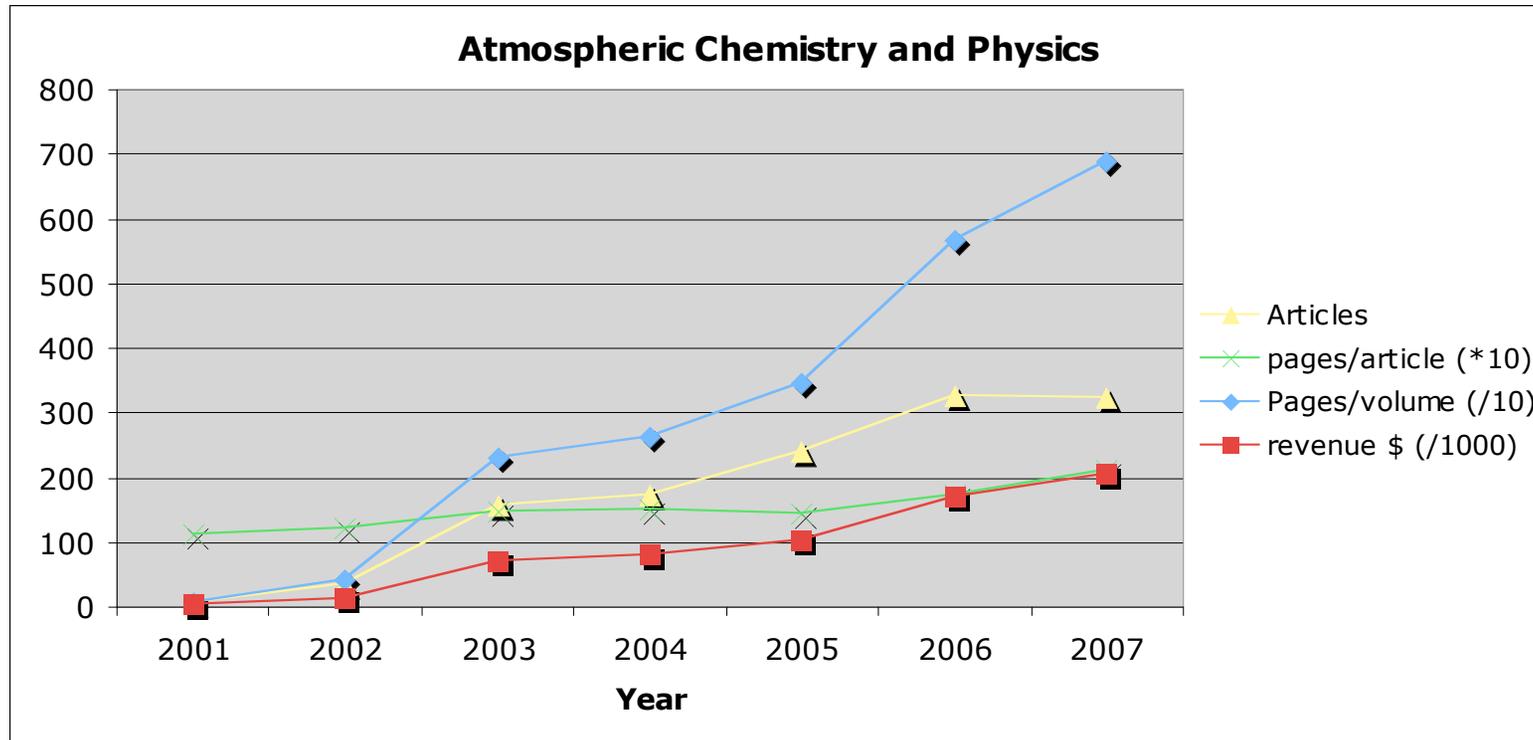
Journal - Trend Toward Open Access

- The EC has published its Communication on Scientific Information in the Digital Age: Access, Dissemination and Preservation...highlights are commitment to include publishing costs in research projects and €50 million for work on infrastructures, in particular digital repositories, in 2007-2008.
- Sen. John Cornyn (R-Texas) Federal Research Public Access Act (S.2695), requires federally funded research to become publicly available online within six months of being published.
- U.S. publications adopting *Hybrid* Open Access model.
 - Typically author submission charges are more expensive than for Open Access Journals
 - Libraries still pay for subscriptions
 - Licensing policies are inconsistent

Journal - Impact Factors

Rank in MAS 2005	Journal	# of Articles	Impact Factor
1	<i>ATMOS CHEM PHYS</i>	238	3.50
3	<i>J CLIMATE</i>	338	3.40
5	<i>B AM METEOROL SOC</i>	83	3.06
Rank in MAS 2004			
1	<i>J CLIMATE</i>	343	3.50
6	<i>ATMOS CHEM PHYS</i>	170	2.67
7	<i>B AM METEOROL SOC</i>	86	2.61

Journal - ACP example



Copernicus Journals offer open discussion during peer review

Journal - Publishing Options

- Open Access

- ◆ PLoS, BioMed Central, Hindawi, Copernicus
- ◆ Submission charges range from appx. \$400 for short articles to \$1500 for research articles

- Hybrid

- ◆ Springer, Blackwell, Elsevier, AGU, ACS
- ◆ Offer Author Choice, Open Choice, Author Sponsor options at about \$2500 - \$3000 per article.

Journal - Fact Sheet

- **Scope:** The *Journal of Advances in Modeling Earth Systems* (JAMES) is an all-electronic, open access, peer-reviewed, non-profit journal to serve the global modeling community. JAMES publishes research related to a wide range of problems in climate science, including atmospheric and oceanic flows on multiple scales, radiation, cloud physics, boundary layer and land surface processes, the biosphere and cryosphere, biogeochemical cycles, and the development of numerical methods for climate science. JAMES promotes interdisciplinary research, disseminates information to the global community, and informs the general public and decision makers of the science behind important societal issues related to climate modeling.
- **Need:** The journal fills a need for a single scientific publication covering a range of disciplines closely related to global atmospheric and ocean modeling and reports on the rapidly evolving general circulation models (GCMs) used in climate modeling and numerical weather prediction (NWP).
- **Sections:** The journal maintains four sections, the first for normal length research articles, the second for shorter research contributions of four or less journal pages, the third for scientific reviews of the present state of selected aspects of climate research, and the fourth for articles directed to the wider non-specialist audience interested in climate science.

Journal - Next Steps

- Send fact sheet to potential publishers
- Rodger Ames and Wayne Schubert write a journal proposal catered to specific publisher's guidelines
- CMMAP EC solicits a broader editorial board
- Commitments from the Center's researchers to write articles for the Journal's initial volume.

KT Web Content

- KT Objective 5. Create and maintain a website containing a section designed to make CMMAP results easily available to the scientific community, and a section designed to increase public understanding of issues in global climate modeling.
- A design document for the KT corner of the CMMAP web site will be prepared jointly by members of the EC, ED Committee, and CIWG so that web development efforts best suit the Center's overall objectives.
- Highlights of the KT web section:
 - ◆ Discussion papers on key CMMAP research areas
 - ◆ Student section
 - ◆ KT resources