

ATLAS mtg- Lehigh, Feb 2005

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Basic structure and intent
Editorial process and criteria
Editorial Board
Data priorities
Funding for near and long term

PURPOSE- One stop shopping; Tool for research community (with peer review); Give credit to those who generate/produce data; outreach to get results out to general public & policy community; outreach to teaching.

It is NOT an opinion on the "best" data- rather must indicate which data are appropriate for what application.
Not universal search engine
Not primary data center
Not advocacy group
Not G-center
Not map catalog

Executive Committee Tasks:

Liaison between Atlas and AIMES/IGBP
Funding
Establish relationships with data centers
Define and refine Atlas scope
Establish data archiving and longevity standards

Editorial Board Tasks:

Determine appropriate time/space resolution for each type of data.
Determine "products" to be included that build on data available
Includes Editor-in-Chief who chairs Editorial Board and sits on Executive Committee
Promote/attract submissions
Send to reviewers – data quality experts (DQEs)
Convene data-related workshops as necessary
Oversee writing of data explanations
Oversee credit, authorship, and citations

Atlas Staff Tasks:

Editorial help- Executive editor; Editorial assistant; data coordinator
Technical unit- Develop web-based tools for data gridding/manipulation; GIS; web programmer
Outreach and knowledge transfer- science writing, outreach to schools, liaison w/policy, etc.

E-Science in UK to be funded. Build on prototype, etc. Alex to contribute few month/yr. Funded by escience and Lehigh in some combination.

Technical aspects- Need time series, like African project

Publication format:

Who are authors?

Publication type
Science Citation index
Get into DOI citation system

Data center interfaces
PANGEA, World Data Centers,

First Technical Steps:

time series
Update tools

Initial Data sets:

Get climate data on for time series (CRU-PIK 0.5° data set)
FPAR (Ruth)
Surface ocean pCO₂ (Takahashi)
EMDI NPP (Hibbard)
Add vector data sets (e.g. coastlines, river networks, roads, shipping routes, etc.)

Initial editorial process:

Test initial data sets