

Media Watch on Climate Change

ECOresearch Network

www.ecoresearch.net/climate

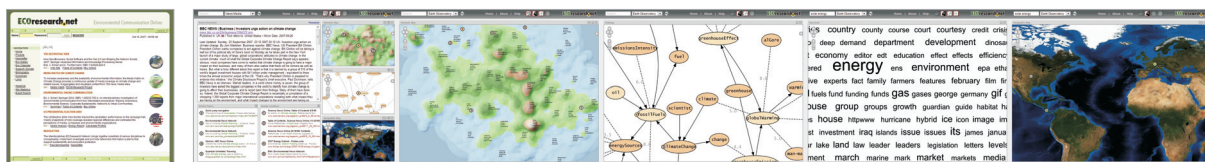
To increase awareness and the availability of environmental information, the *Media Watch on Climate Change* provides a comprehensive and continuously updated account of media coverage on climate change and related issues. The portal aggregates, filters and visualizes environmental Web content from Anglo-American news media sites, the Fortune 1000, environmental organizations, popular blogs, and the NASA Earth Observatory.

The vision of a *Geospatial Web* promotes the convergence of geographic information, Internet technology and social change. Taking a step towards this vision, the *Media Watch on Climate Change* uses automated content analysis to build a geotagged knowledge base. The interface provides visual means to interactively access this knowledge base. It shows that geobrowsers are not only suited to explore geographic features, but can also render other types of imagery such as three-dimensional *Knowledge Planets*. The *Media Watch* will be extended into an interactive *collaboratory* that brings together the scientific community, companies and non-governmental organizations – stakeholders often divided by differing world-views, goals, and agendas.

The collaboratory will provide matchmaking services for ad-hoc team composition, and support the day-to-day activities of online communities through content aggregation and advanced visualization services.

Acquiring, managing and applying knowledge are crucial steps in addressing environmental issues effectively, and ensuring that change is conceived and implemented on both regional and society-wide scales. The *Media Watch on Climate Change* is part of the IDIOM research project (Information Diffusion across Interactive Online Media; www.idiom.at). The consortium partners behind the project share an interest in the determinants and impacts of anthropogenic climate change, and in the potential of geospatial technology to support communication and collaboration in virtual communities. IDIOM places special emphasis on the compatibility of its services with multiple platforms, and will publish several core components under an open source license (e.g. the geotagging and semantic mapping services).

Organizations such as NASA Earth Sciences, the Worldwide Fund for Nature, Climateprediction.net, Prisma Solutions and the ECOresearch Network will contribute their domain knowledge and closely monitor project results. This will help align the platform with the needs of different types of organizations operating at the crossroads of sustainability and information technology.



ECOresearch Network Media Watch on Climate Change (Overview, Semantic Map, Ontology, Tag Cloud, NASA Blue Marble)

Sustainability @ MODUL

Key Principles for Research, Curriculum Development and Administration

www.modul.ac.at/sustainability

Environmental and social sustainability are important elements in the strategy of MODUL University Vienna. They not only represent an integral part of the research agenda and curriculum, but are also reflected in the daily workflow. Examples include:

- Minimizing resource inputs and preventing pollution and waste,
- Using renewable energy and recycled materials,
- Implementing carbon offset programs, etc.

Ongoing communication and training will build awareness of these principles and promote informed, responsible decision-making among students, faculty, contractors and partners.

Arno Scharl (Ed.)

Environmental Online Communication

Advanced Information and Knowledge Processing Series

(c)2004 Springer London, ISBN: 1-85233-783-4

www.ECOresearch.net/springer



The Internet and wireless communication networks are transforming the way society handles the explosive growth and dwindling half-life of environmentally relevant information. How can we leverage new technologies to advocate sustainability and the protection of natural ecosystems? This book presents an interdisciplinary investigation of this question, combining theoretical foundations of environmental online communication with pioneering conceptual work and case studies of successful information systems.

Environmental Online Communication addresses the transition to a knowledge-based economy, sheds light on hidden assumptions and misconceptions about environmental issues, and suggests priorities for research and policy development. This volume analyzes communicative strategies and processes from four interrelated perspectives:

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| Part I: Raising Environmental Awareness | Part III: Corporate Sustainability |
| Public Access to Environmental Data | Social Responsibility |
| Environmental Education | Environmental Reporting |
| Online Advocacy | Green Investments |
| Part II: Environmental Science | Part IV: Networks & Virtual Communities |
| Data Sharing | Trust and Credibility |
| Distributed Internet Computing | Knowledge Management |
| Geographically Referenced Data | Online Collaboration |