



Pacific Climate Impacts Consortium

Themes and Products

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Vision*

A vision for a consortium emerged ... to stimulate the collaboration of government, academe and industry to reduce vulnerability to extreme weather events, climate variability and the threat of global change. The consortium for climate impacts will bridge the gaps between climate research and climate applications, and will make practical information available to government, industry, and the public.

* - Organizational Workshop (May, 2005)

Focus (1) – Reduce vulnerability to...

- **Global climate change**
- **Regional climate variability**
- **Local extreme weather events**

Focus (2): ... in Pacific North America



Focus (3) – Bridge the Gap between...

- **science and applications**
- **disciplines**
- **physical sciences, economics, social relevance**
- **researchers and users**
- **climate centers in Pacific North America**

Focus (4) – ... produce practical Information

- **assessment reports**
- **downscaling results**
- **near-real-time climate monitoring**
- **seasonal climate forecasts for PNA**
- **web information services**

Objectives*

- to foster collaborative and interdisciplinary approaches to research on meteorology, atmospheric science, climate variability, climate change, (social sciences) and economics
- to channel and strengthen the capacity to address regional climate change and variability, including extreme weather events.
- to focus research on public and private sector needs in order to provide the scientific basis to develop policy options

* - Organizational Workshop (May, 2005)

Paradigms for Collaboration

With researchers.....

- *Embed PCIC staff*
- *Extension of the research lab to user-stakeholders*
- *Joint proposals for directed research*
- *Technology transfer to applications*

With stakeholders and end users

- *Consultations*
- *Presentations*
- *Information workshops*
- *Directed research (contracts)*
- *Climate Assessment Reports*

I. Themes

**for a
Pacific Climate Impacts Consortium (2006-07)**

Applied Science and Regional Climate Impacts

- 1. Global climate variability and change: Regional interpretation of global scenarios**
- 2. Water resources: Hydrological modelling and impacts**
- 3. Storm surge, sea-level-rise, and extreme weather events**
- 4. Economic impacts of climate variability and change (TBD)**
- 5. Historical data, analysis and climate assessment (TBD)**
- 6. Seasonal climate prediction (TBD)**

II. Products and Outreach:

for a

Pacific Climate Impacts Consortium (2006-07)

Climate Applications and Outreach to Inform Adaptation by Users and Stakeholders

- **Consultation**
- **Assessment Reports**
- **Website and Information Services**
- **Presentations – on climate variability and change, and extreme weather events**
- **Near-real-time climate monitoring and analysis (TBD)**
- **Joint proposals (TBD)**