

**Climate Change and Water Use in Asia Pacific Cities  
(APN 2001-19)**

**Project Leader:**

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# **Climate Change and Water Use in Asian Pacific Cities (APN 2001-19)**

## **APN Funding**

US \$27,000

## **Participating Countries**

Australia, China, Fiji, Japan, Malaysia, Pakistan, Singapore

## **Introduction/Background**

The primary goal of the project is to determine if data of sufficient quality for the study of climate change and water resources could be obtained for a set of Asia Pacific Cities. These cities, selected through two workshops convened by APN include: Kobe, Tianjin, Suva, Singapore, Karachi and Kuala Lumpur. A secondary goal is to undertake some preliminary analysis of partial data to obtain some sense of what might be learned should the requisite data actually be obtained.

## **Outline of activities conducted**

- For Kobe, the work is completed. Excellent data with the required characteristics are available.
- For Tianjin, our local collaborator has not been active, and no work has apparently been done. We have given up on the site but are actively exploring other potential sites in China.
- For Suva, the work is nearly completed. However, the data are uneven and water use data have been difficult to obtain.
- For Singapore, excellent data have very recently been provided. It is not clear that there will sufficient time to analyse these data.
- For Karachi, after an initial flurry of activity, there was a very long period of silence. The activity apparently resumed in early January. Whether data will ever be delivered, or delivered before the grant ends, is an open question.
- For Kuala Lumpur, after some initial activity, the work seems to have ceased. We have been unable to obtain any additional information. In response to apparent failures at several sites, Canberra has been added to the project. The work there is in progress.

## **Outcomes/Products**

Most of the preliminary data analyses to date have concentrated on the data from Kobe because these data are currently the most complete. Preliminary results were presented as the IGES/APN Mega-city workshop held in Kitakyushu, Japan, in January.

## **Future directions/Follow-up work**

With a second year of funding, we would:

1. Collect data in three new sites
2. Analyse all of the data collected, and

3. Write a proposal for a full-scale research effort on climate change and water resources in perhaps a dozen sites. The PI has been strongly encouraged by US NSF to submit such a proposal.

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