

**Title:** Atmospheric Modeller

## Role of the Atmospheric Modeller

Under the direct supervision of the Atmosphere Initiative Coordinator and under the general guidance of the Water and Air Theme Leader, the Atmospheric Modeller will build up, run, and maintain an in-house modelling centre at ICIMOD capable of simulating meteorology, pollution transport, gas and aerosol chemistry, and climate at regional and local scales in the greater Himalayan region.

## Minimum Qualifications

- Postgraduate degree, preferably PhD, in a relevant field of study (e.g., atmospheric physics or chemistry, meteorology, environmental engineering)
- Demonstrated experience using at least one meso-scale meteorological model (e.g., WRF, MM5 or RAMS), and at least one chemistry-transport model (e.g., WRF-Chem, CAMx, CMAQ), preferably in regions of complex terrain
- Demonstrated understanding of atmospheric chemistry (gas and aerosol), atmospheric dynamics, atmospheric microphysics, and climate science
- Experience installing, compiling, testing, and customizing atmospheric models on new computer systems and the ability to work with large observation data sets
- Experience working in Unix/Linux environments and using IDL, Matlab, or other software to visualize model output as well as the ability to write or modify model code written in Fortran, C, or other languages.

## Competencies

- **Communication and outreach:** Excellent English written and oral communication skills and the ability to effectively present, explain, and discuss complex ideas; to convince others; to listen to others; and be able to integrate ideas from different people and sources.
- **Networking/stakeholder management:** Ability to identify relevant stakeholders, maintain existing linkages, and effectively communicate with stakeholders on different levels
- **Research skills:** Knowledge and experience about relevant research methodology and analysis to create credible scientific evidence.
- **Impact and results orientation:** Ability to work independently, while drawing on long-distance support from the global community, with a strong sense of initiative, discipline, and self-motivation.
- **Flexibility/innovation:** Continuous learning attitude, ability to proactively adapt to and stay abreast with changing contexts, technologies and approaches; ability to come up with innovations and make improvements in own work area.
- **Social/team competency:** Ability to work effectively and smoothly across teams taking into account intercultural sensitivities; ability to manage minor conflicts and to contribute to establishing commitment among work group members.

- **Report and proposal writing:** Ability to independently write high quality project reports for different target groups and to contribute to successful proposal development/writing.

### **Duty Station**

The duty station is Kathmandu, Nepal; occasional travel in the region and to international conferences will be required.

### **Duration**

Three years, with the first six months on probation, and with a possibility of extension beyond three years subject to ICIMOD's future funding levels.

### **Starting Date**

Preferably starting as soon as possible.

### **Remuneration**

Salaries and benefits of ICIMOD are competitive with other regional organizations; remuneration is commensurate with experience and qualifications.

### **Gender and Equity Policy**

Qualified and eligible women candidates and those from disadvantaged backgrounds are highly encouraged to apply. ICIMOD implements a gender fair policy and is supportive of working women. It operates a Day-Care Centre at the campus and is committed to gender mainstreaming at the organizational and programmatic levels.

### **Method of application**

Applicants are requested to apply online before **6 January 2013** through [ICIMOD's online application system](#).

Only shortlisted candidates will be notified.