

Job Opening on ‘Population Research’

Centro de Prospectiva Estratégica (CEPROEC) Instituto de Altos Estudios Nacionales (IAEN)

Description of the center

The Center for Strategic Foresight is a research center based at the National Institute of High Studies, located in Quito, Ecuador.

IAEN is the postgraduate university of the Ecuadorean State, in charge of both the capacity building of Ecuadorean civil servants and of running official master degrees on public policies. Both activities are also open to wider audiences. IAEN has four schools on International Relations, Constitutional Law, Security and Defense and Public Administration, plus CEPROEC.

CEPROEC conducts research on foresight studies from a biophysical perspective. Its aim is to inform public policies in the formulation of long term development plans. This means the research conducted is mainly applied research. The biophysical perspective applied is based on Societal Metabolism, Systems Ecology and Complex Systems Theory.

The center is organized in 5 topic areas:

- (1) Population (including demography, human settlements and cultural patterns)
- (2) Natural resources (both renewable and non-renewable resources plus integrity of ecosystems)
- (3) Real economy (change in the economic matrix/structural change, the agri-food sector and analysis of the quality of public investment)
- (4) International (international economics, geopolitics of natural resources)
- (5) Instrumental (Spatial analysis and GIS, modeling of multi-scale, multi-dimensional systems, and programming)

Working hours: 40 hours per week

Contract: The position offered is for three years with yearly renewal

Salary: starting level is 2,641 USD per month (gross). Depending on experience and publication record this amount will be higher

Expected incorporation: November, 2014

Contact: Please send your CV before September 30th, 2014 to Jesus Ramos jesus.ramos@iaen.edu.ec. A Skype conference will be arranged with candidates in the shortlist during the first week of October

Minimum requirements

Applicants should hold at least a Master degree in the fields of Demography, Statistics, Economics, or Mathematics. The preferred candidate has a strong quantitative background

applied to population studies, experience with analysing large (longitudinal and cross-sectional) data sets and the use of Stata, R, and MatLab Statistical software. A keen interest and experience in the topic of population projections, the desire and capacity to relate theoretical topics to practical challenges and solutions, good communication skills, excellent study results and experience in academic writing are also essential.

- PhD or Master Degree in Demography, Statistics, Economics, or Mathematics.
- Minimum experience of 36 months as lecturer or researcher in academic or research institution.
- Demonstrated experience in the production of population projections
- Three scientific publications of relevance or indexed.
- Minimum of 180 hours of training received.
- 12 months minimum involvement in one or more research projects.
- Sufficiency in Spanish and English

Description of position

The person hired will be part of Population and Development group at CEPROEC and will use a large set of databases of individuals and households at different levels of geographical disaggregation. It should help in the construction of population projections (households, individuals and multiple population groups) at national, regional and local levels. He/she will apply trends extrapolation methods (simple and complex), evaluate official statistics estimates on population and will model different demographic events (fertility, mortality, migration, aging, etc.). In addition:

- Conducting research on population studies with a prospective approach, linked with the rest of areas of the center.
- Participation in designing and teaching both thematic and instrumental modules at postgraduate level, linked to his/her lines of research
- Publication of results of the research in international indexed journals
- Liaison with clients, in particular from public institutions
- Supervision of master theses
- Other academic tasks demanded by the hiring unit

Quito, September 17th, 2014.

Dr. Jesús Ramos Martín