Pema Samdrup
Malaria Atlas Project (MAP) Fellowship

Pema Samdrup is a Programme Officer at the Vector-borne Disease Control Programme of the Bhutan Department of Public Health based in Gelegphu. He has a Certificate in General Health Sciences (1990) and a Diploma in Public Health (2002) from the Royal Institute of Health Sciences in Bhutan.

Mr Pema Samdrup will be trained in the use of spatial temperature suitability data developed by Malaria Atlas Project (MAP) for *Plasmodium falciparum* and *Plasmodium vivax*. In his APMEN Thematic Fellowship, Pema Samdrup will learn about vector survival and sporogeny using Annual Parasite Index data from 206 sub-districts in his home country, Bhutan.

“By using GIS and GPS mapping, targets and coverage can be easily accessed by programme decision makers. This improves the overall health system and means resources are invested based on evidence. By incorporating GIS, Bhutan can achieve malaria elimination by 2020 and the ultimate goal of “Gross National Happiness.”

Mr Pema Samdrup, VBDC programme, Department of Public Health, Bhutan

Host Mentor Organisation: The Malaria Atlas Project (MAP, [www.map.ox.ac.uk](http://www.map.ox.ac.uk)) is comprised of a group of expert researchers in various fields including public health, mathematics, geography and epidemiology, who together are generating new and innovative methods of mapping malaria risk around the globe. The Malaria Atlas Project is linked to a network of international health research at the University of Oxford.

Host Mentor Supervisor: Dr Catherine Moyes manages the Spatial Ecology and Epidemiology Group at the University of Oxford. Her current role includes leading the development of an online repository for open access data for MAP. She oversees data coming into MAP from NMCPs, research groups and others, and can answer questions on MAP’s use of these data. MAP provides global malaria estimates and engages in bilateral collaborations with National groups to support tailored analyses of country data.