

**Health Sector**

# PROJECT FOR THE STUDY OF ANTI-VIRAL AND ANTI-PARASITIC COMPOUNDS FROM SELECTED GHANAIAN MEDICINAL PLANTS

**Period: 2010 - 2015**

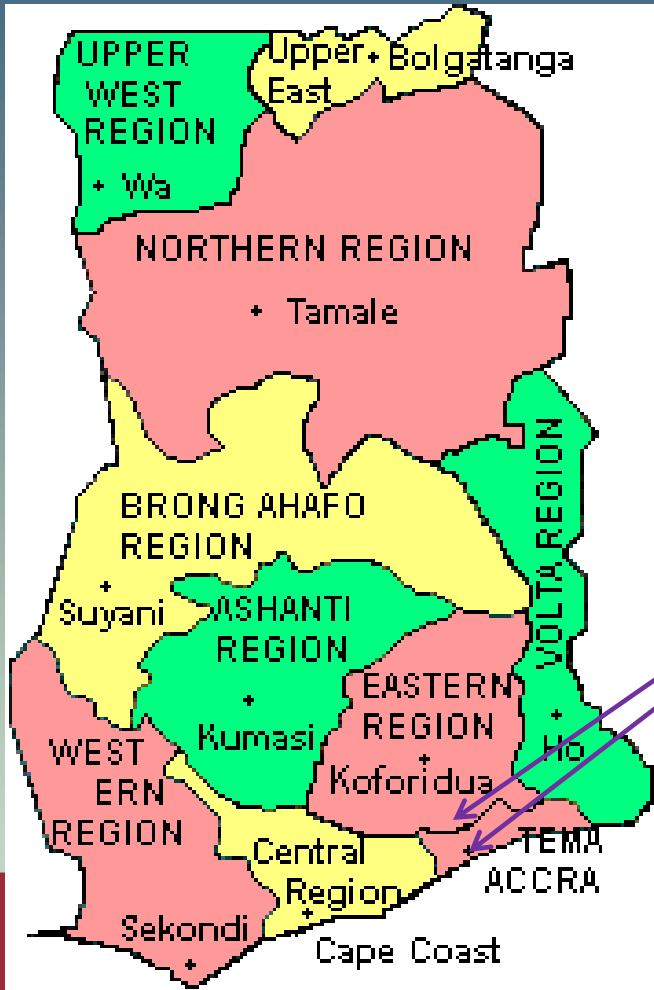
**Beneficiaries: Approximately 50 Researchers from Noguchi Memorial Institute for Medical Research and Centre for Scientific Research into Plant Medicine**

**Implementing Organisation: Noguchi Memorial Institute for Medical Research (NMIMR), Centre for Scientific Research into Plant Medicine (CSRPM), Tokyo Medical and Dental University (TMDU) and Nagasaki International University (NIU)**

**Project Purpose: Research and development capacity of Ghanaian research institutes for Ghanaian medicinal plants through collaboration research activities with Japanese research institutes**



## PROJECT AREA :



## Project Sites

### Greater Accra Region

Noguchi Memorial  
Institute for Medical  
Research, University of  
Ghana, Legon Accra

### Eastern Region

Centre for Scientific  
Research into Plant  
Medicine, Eastern Region

## Activity



The aim of this project is to contribute to the development of more effective drugs for treating HIV/AIDS and trypanosomiasis by extracting anti-HIV and anti-parasitic compounds from local plants that are used to treat infections in traditional Ghanaian medicine.

The approach includes establishing and standardizing methods of assaying the activity of compounds obtained from the medicinal plants.

By providing scientific evidence to validate traditional herbal treatments and the traditional medical system that uses such methods, this research can provide a firm basis for sustainable therapeutic strategies that suit Ghana's specific circumstances



## Comment from Counterpart –

Interviewed on October/2012

Prof. Kwadwo Koram, Director of Noguchi Memorial Institute for Medical Research



Research into local plant /traditional medicines have been long in coming and we are very excited about this collaboration. We expect to acquire the necessary know how, including well trained staff and equipment, to systematically investigate the large body of traditional knowledge available in the country. This should extend the potential benefits to the population. Working with our Japanese counterparts, continues the long established tradition dating back to the founding of the Institute.

## Comment from Principal Investigator – Prof. Shoji Yamaoka

To the Ghanaian people, the significance of this research is that it is bringing out value of the country's own traditions. Moreover, it provides the opportunity to acquire new technology that can be applied in Ghana, and also leads to training human resources. Consequently, the researchers are highly motivated. Personally, the involvement of Science and Technology Research Partnership for Sustainable Development (SATREPS) in this research has provided me with the opportunity to meet people with a great variety of different roles in Ghana, discuss the issues with them, and gain an understanding of their perspective.

