

DETAILS OF FUNCTIONAL MEMORANDUM OF UNDERSTANDING (MoU)

LEIBNIZ INSTITUTE FOR APPLIED GEOPHYSICS, HANNOVER, GERMANY

Table of Contents

LEIBNIZ INSTITUTE FOR APPLIED GEOPHYSICS, HANNOVER, GERMANY	1
NAME OF THE INSTITUTION: LEIBNIZ INSTITUTE FOR APPLIED GEOPHYSICS, HANNOVER, GERMANY	2
Details of Activities under MoU	2
Introduction	2
Activities conducted:	2
DECLARATION	5

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NAME OF THE INSTITUTION:

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File No:	2018.2
Name of the Collaborating Institution	LEIBNIZ INSTITUTE FOR APPLIED GEOPHYSICS, HANNOVER, GERMANY
Area of collaboration	Research/ academic
Date of Initiation	17 JANUARY 2019
Co-ordinator Name	Linto Alappat
National/ International	International
Duration of collaboration	Five years
Targeting departments/ beneficiaries	Geology, Physics
Number of Students/ Faculty participated	30 students and 3 Faculty

Details of Activities under MoU

Introduction

The Leibniz Institute for Applied Geophysics (LIAG) is an independent public- law research institute funded by state, federal, and third-party funds in Germany. With geophysical methods we explore structures and processes in the upper part of the Earth's crust that are relevant to and influenced by mankind. Research in the field of Applied Geophysics is important to face challenges of the future such as the exploration, sustainable supply, and conservation of essential natural resources. LIAG is a member of "Section E: Environmental Research" of the Leibniz Association and is the only institute of the Leibniz Association that explores the upper part of the Earth's crust by using geophysical methods and techniques. Earth system research of the Leibniz Association focuses on the hydro-, litho- and atmosphere; research fields that are closely interlinked with human activities.

Activities conducted:

Under the MoU, number of activities have been conducted, related to research in the quaternary coastal changes of central Kerala. This includes the field studies at the coasts of Kerala, analyses of samples for Optically Stimulated Luminescence dating collected as a part of the PhD studies of research student at Department of Geology and Environmental Science. The outcome of research

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collaboration with LIAG has submitted for publication in the journal of Regional Studies in Marine Science, published by Elsevier. SPECIFIC OUTCOMES

Specific Outcomes: (What, Why, Impacts)

1. *The collaboration brought out research on quaternary geology of central Kerala and journal publication on the same is under revision.*
 - Samples are being analyzed at LIAG for further research.
2. The MoU has brought out possible collaboration in organizing international conference on Geology Emerging Methods and Applications (GEM 2019).

Any other details: (Items/Knowledge Shared)

- *Procedures for securing funding for student exchange and training are being looked upon. The MoU was initiated as an outcome of preliminary discussion of Dr. Linto Alappat, faculty of Department of Geology with Dr. Manfred Frechen, Acting Director LIAG during his visit to LIAG in September 2018.*

Photographs of the event/ YouTube link of the event may given



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Specific Outcomes: (What, Why, Impacts)

ACADEMIC EXCHANGE

Irinjalakuda Christ College to join hands with German institute

EXPRESS NEWS SERVICE
@Thirissur

THE Department of Geology and Environmental Science of Christ College (Autonomous) on Monday came to an understanding with Leibniz Institute for Applied Geophysics, Hannover, Germany, for academic exchange and research collaboration.

The college organised an in-

ternational conference on 'Geology: Emerging methods and applications', which was attended by many national and international scholars.

Director of the National Centre for Earth Science Studies, Thiruvananthapuram, Purnachandra Rao inaugurated the conference and led a talk on 'Earthquakes and tsu-

namis in the Indian subcontinent'.

He talked about the seismic gap in the Himalayan region which may cause a major earthquake in future. He concluded by saying no zone in India was safe from earthquake as of now.

A K Singhvi, honorary scientist, Raja Ramanna Fellow, Physical Research Labora-

tory, led a session on 'Sustainable development goals and geosciences of the future,' in which he explained various applications of geoscience and its emerging role equivalent to medical science and the need for sustainable development.

Ramesh Kumar, chief scientist at National Institute of Oceanography, Goa, talked about monsoons and role of oceans in relation with extreme weather events with special emphasis on Kerala floods.



The seismic gap in the Himalayan region may cause a major earthquake in future. No zone in India is safe from earthquake as of now

Purnachandra Rao, Director of the National Centre for Earth Science Studies





Tue, 29 January 2019
epaper.newindianexpress.com/c/36217030



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DECLARATION

We hereby declare that the above activities detailed in the current report was conducted under the MoU between our institutions.

Christ College (Autonomous)	LIAG
 Fr. Dr. Jolly Andrews Assistant Professor- In-charge of Principal Christ College (Autonomous) Irinjalakuda PRINCPAL	 Pro.Dr. Manfred Frechen Deputy Director of the LIAG HEAD OF THE INSTITUTION

DATE 08/12/2021

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