PhD VIVA at Université de Lomé

Candidate:

Mr. Kouassi Marcel De Paul KOUAKOU

from **Côte d'Ivoire**

Topic:

"Future Trends in Coastal Flood Risk under Climate Change Scenarios along the Port-Bouët Bay (Côte d'Ivoire)"

Brief Summary:

The risk of coastal flooding in urban areas is rising due to climate change and socioeconomic development, requiring accurate information for effective adaptation planning. In Port-Bouët Bay, Côte d'Ivoire, there is a notable lack of comprehensive studies on coastal flood risk, with existing research primarily focusing on coastal erosion and overlooking key risk components. To address these gaps, our research systematically assesses the spatial and temporal evolution of coastal flood risk in Vridi, Petit-Bassam, and Sogefiha neighborhoods. The study conducts a thorough risk analysis covering hazard, exposure, and vulnerability. Findings reveal that the current coastal flood risk is relatively low. Future risk trends are anticipated to increase due to sea level rise but at varying levels across neighborhoods and climate change scenarios. Sogefiha emerges as the most at-risk neighborhood, with a very high risk by 2100, particularly under SSP5-8.5. The study's insights provide valuable information to decision-makers, helping them understand the evolving risk trends and develop effective strategies to address the issue..

Chair of the viva-voce: Prof. Tak Youssif GNONGBO, Université de Lomé, Togo

Supervisors:

- Prof. Kissao GNANDI, Université de Lomé, Togo
- Prof. Éric Valère DJAGOUA, Université Felix Houphouët-Boigny, Abidjan, Côte d'Ivoire
- Dr. Yvonne WALZ, United Nations University, Bonn, Germany

Examiners:

- Prof. Passièzoum ADJOUSSI, Université de Lomé, Togo
- Prof. Célestin HAUHOUOT, Université Felix Houphouët-Boigny, Abidjan, Côte d'Ivoire

Date: Friday, November 17th, 2023 at 09:00 AM GMT

Venue: WASCAL-Université de Lomé and Zoom

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