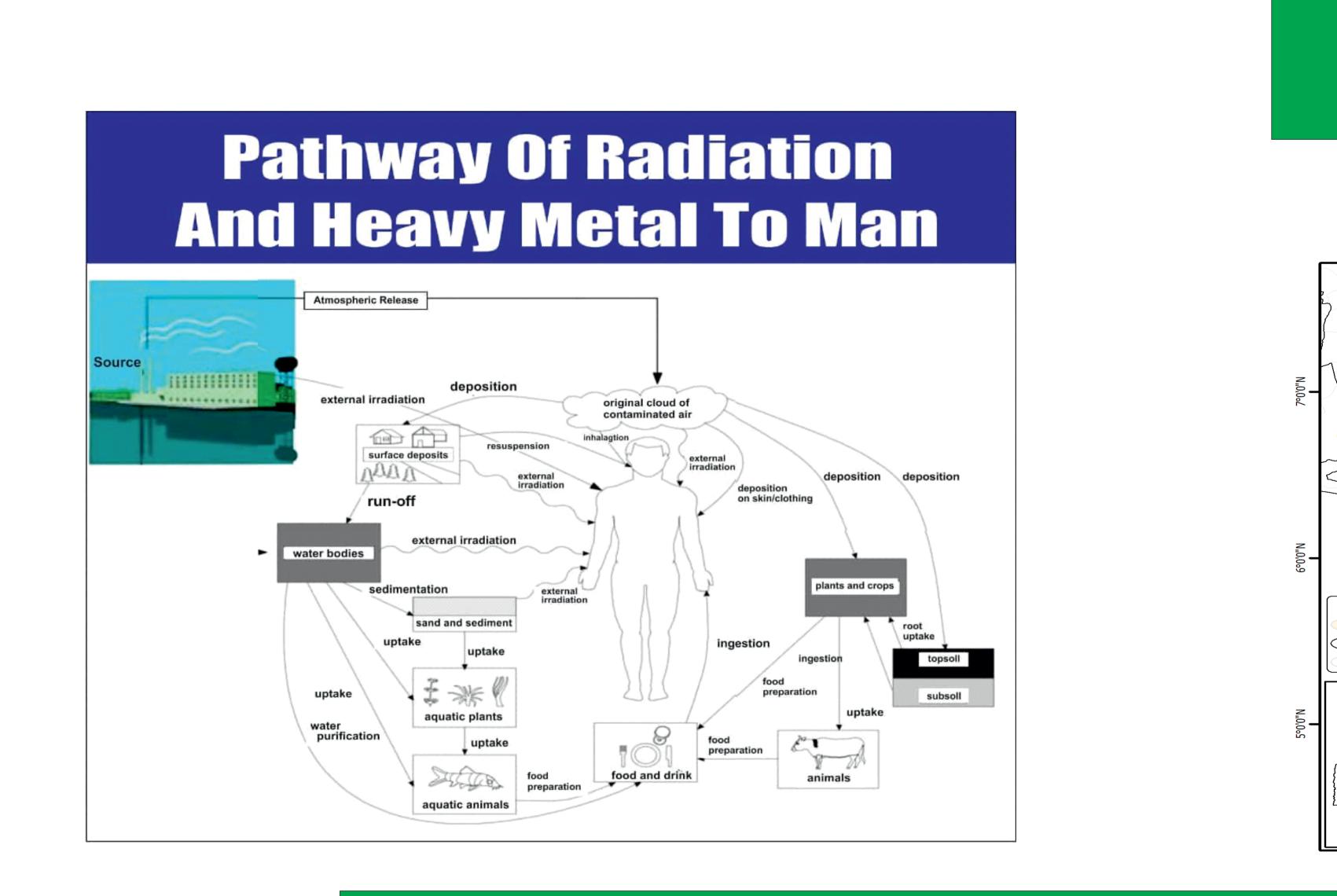
DETERMINATION OF RADIOLOGICAL STRESSORS IN PETROLEUM DRILLING, BITUMEN EXPLORATION AND COAL MINING SITE **IN SOUTHERN NIGERIA**

Background

In the environmental stressors community, radiation and natural radioactivity are well known for harmful effects they have on living organisms, their persistence in the environment and their bio accumulative nature.

The investigation of ionizing radiation in mineral deposit is important because radiation is emitted during mining and exploration.

During petroleum drilling, mining or exploration, occupation workers are exposed tro ionizing radiation and dwellers living nearby. This activity also affect the ecosystem



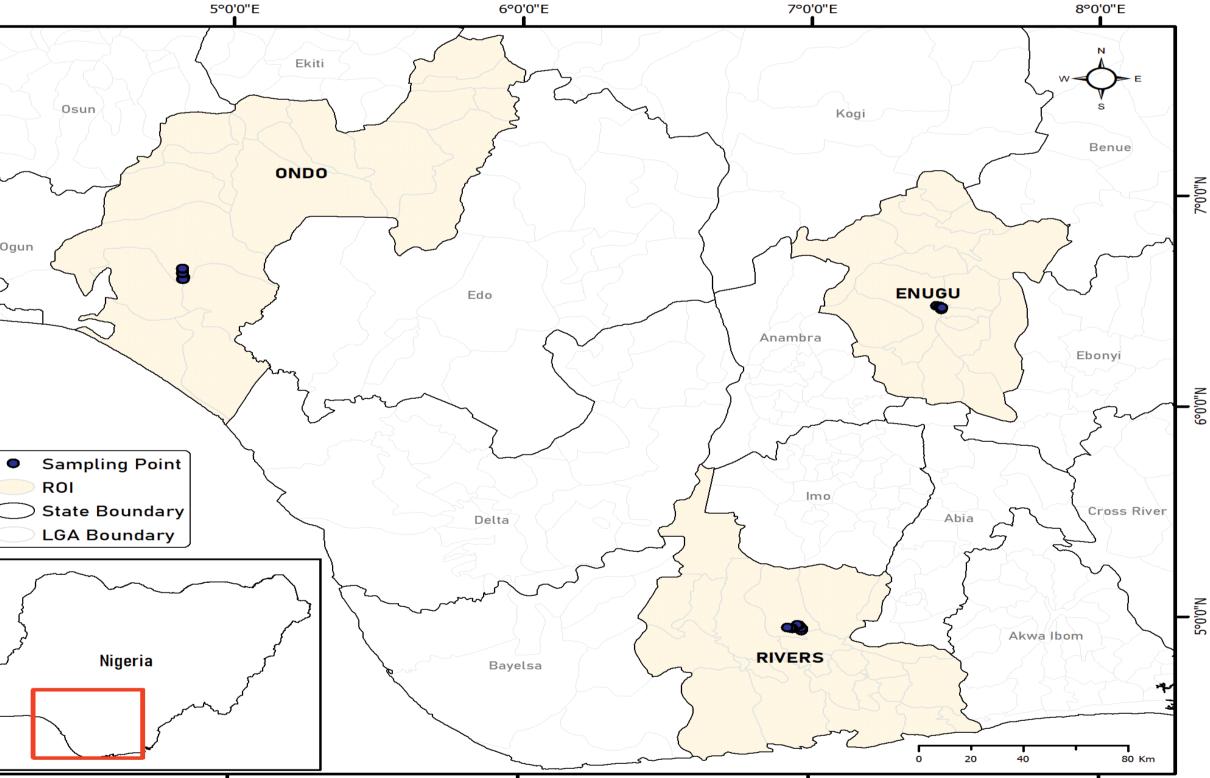


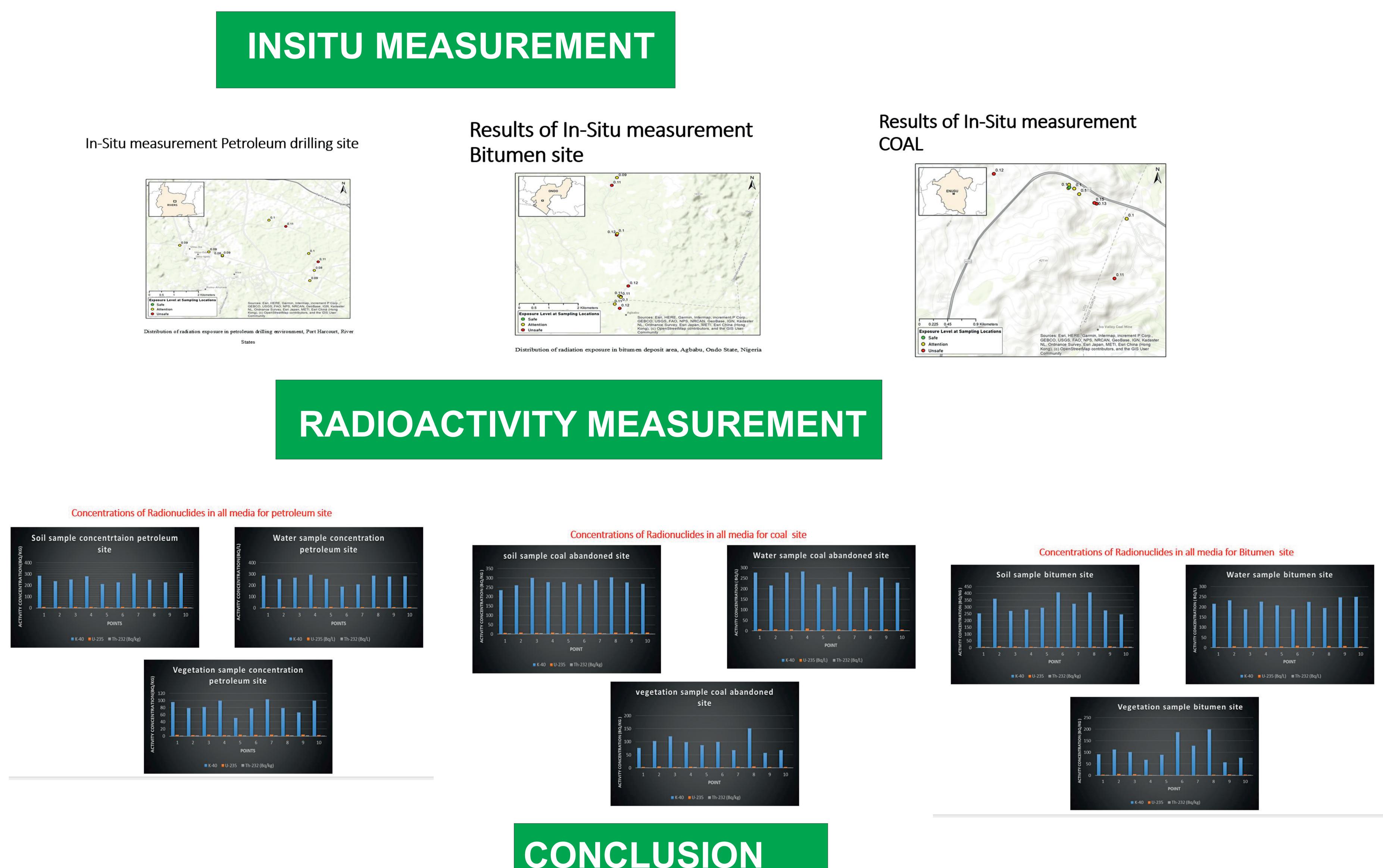
Acknowledgement

Research was sponsored by TERTIARY EDUCATION TRUST FUND (TETFUND)

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Study Area







Results and data obtained shows that workers and those living in the vincinity of the of the mining site are exposed to ionizing radiation. as result were compared with the recommended standard by the Inetrnational Astomic Energy Agency, 2000.

The radionuclides in most of the samples that was carried out in the laboratory fall within the recommended standard, though some points shows a higher value which could have been attributed to other anthropogenic activities near the sampling point.





