

Introduction cont'd..

Umueze Anam is located between longitude 6°48'60"E; 6°51'36"E and latitude 6°21'16"N; 6°18'48"N.

It is bounded on the east by Anambra (Omanbala) River that runs southwards to its tributary in the River Niger at Ukwubili (west) and Onitsha (east).

On the north it is bounded by the Ezichi River.

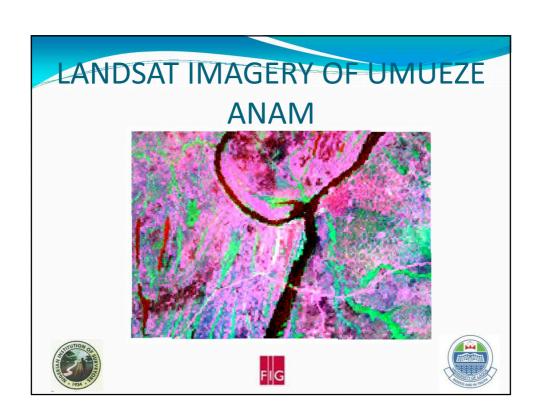
Further east of Anambra River, are Aguleri, Umuoba Anam, Umueri (all collectively referred to as Otuocha), and Nsugbe;

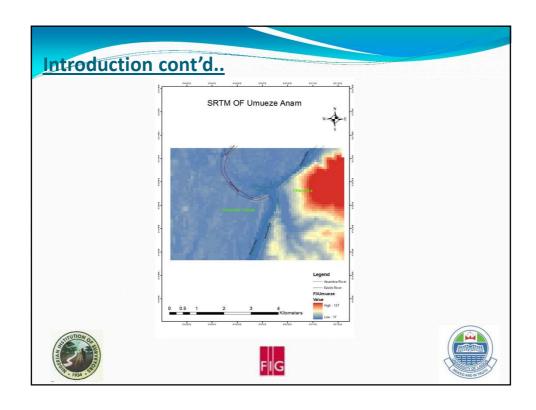
At the south easternmost end is Onitsha.

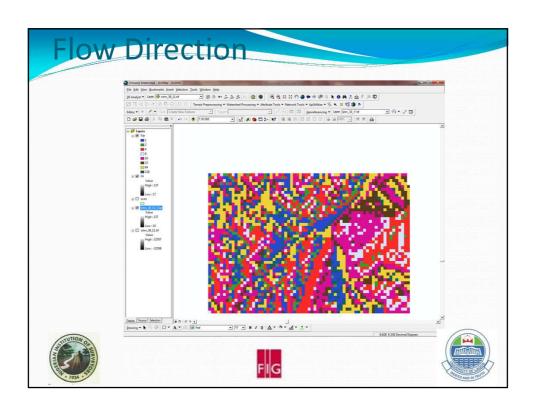
On the northern border, is Iyiora Anam, while Mmiata Anam is on the northwest.

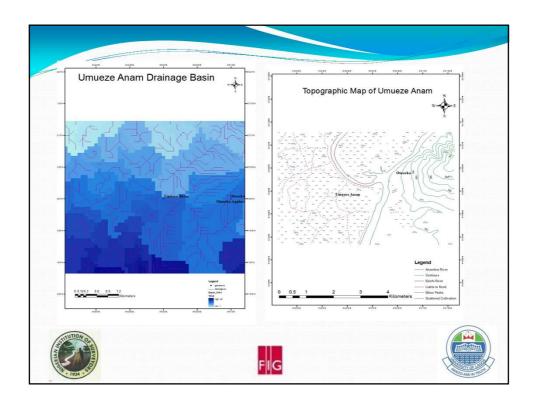


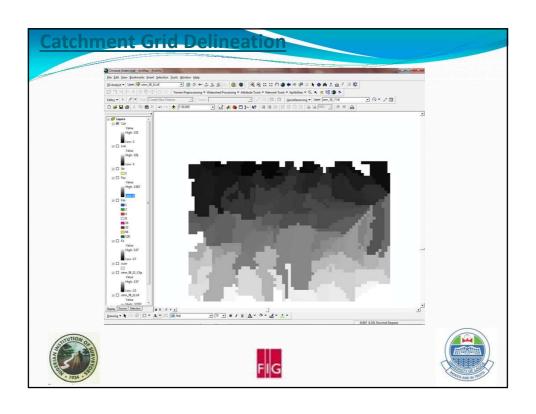


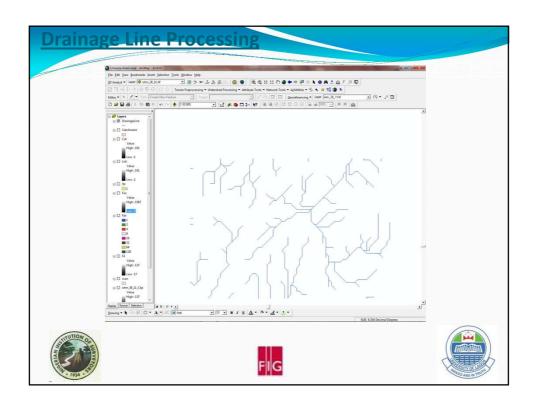


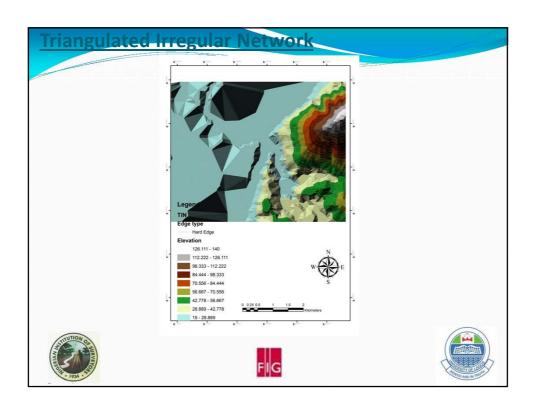


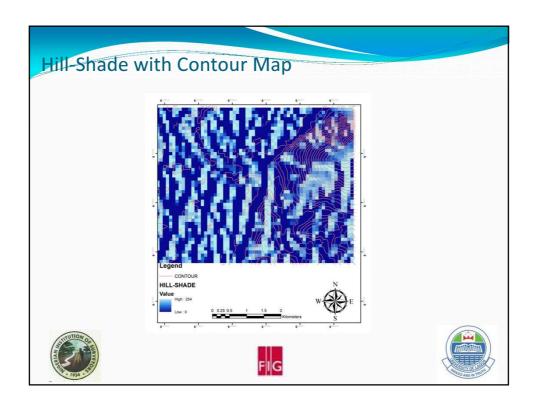


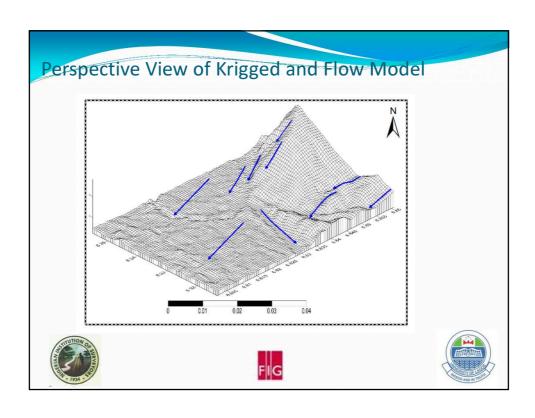


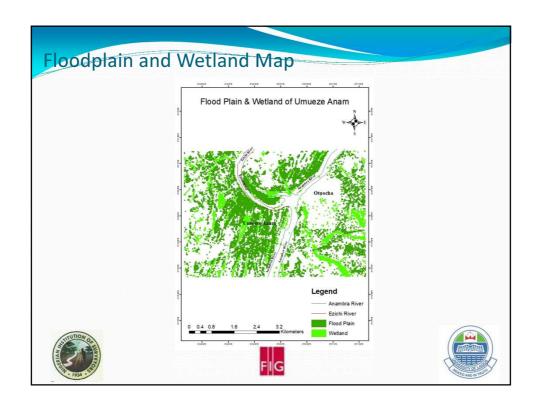


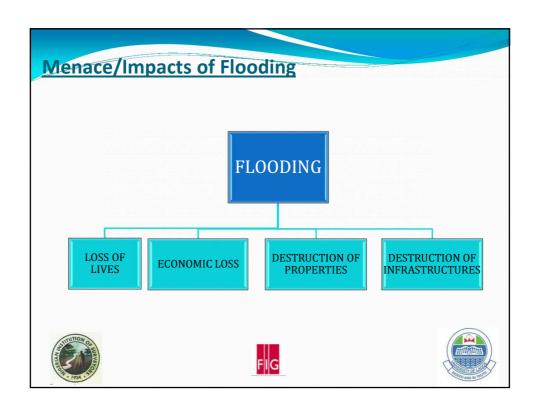


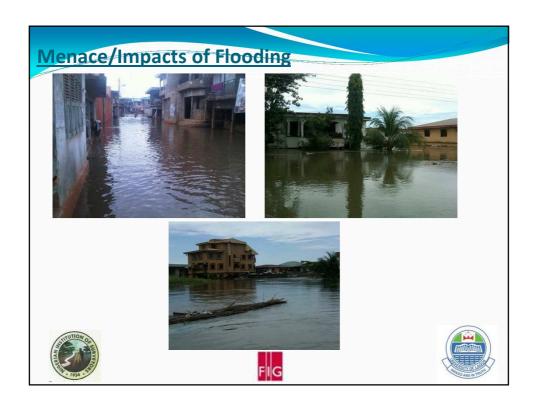


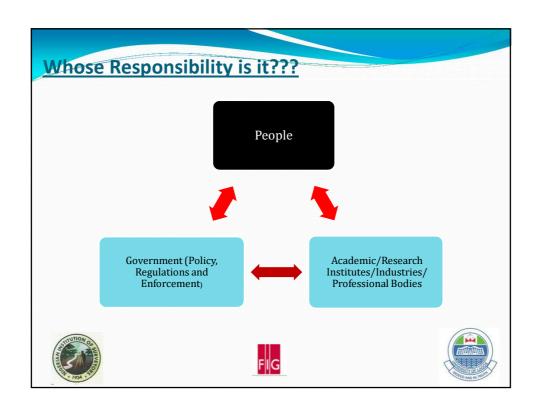












CONCLUSION AND RECOMMENDATION

- In the study, topographic data was used to model flood kinematics in Umueze Anam and environs.
- Result revealed flow direction of flood water in the area. This has shown that the numerical terrain descriptor method is effective in modeling flood water motions.

The following recommendations are hereby put forward:

- Drainage shold be put in place to take up flood water from the surface to avoid spread during raining season.
- Validation should be carried out for the rain-fed flood water motions modelled in Umueze Anam especially in the wet season.







