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Remote Sensing

• **definition**: process of detecting & monitoring the physical characteristics of an area by measuring its reflected emitted radiation at a distance.

• **types of remote sensing**:

- * Optical remote sensing
- * Infrared remote sensing
- * Microwave remote sensing
- * Radar remote sensing
- * Acoustic & near acoustic remote sensing

• **Examples of remote sensing**:

- * Bathymetry mapping using satellites.
- * Ocean floor mapping using SVA
- * Rain water level sensing in remote geostation

Side Quest: Remote Sensing & Landslide Issue in Ampang

Person in Charge: MBSTEC (Ministry of science & technology)

Allies : MYSA (Malaysian Space Agency)

Tools : Orbital Satellite

Sensor used : Optical Imaging Camera

Satellite type : Unknown / Disclosed / Classified

For: • Monsoon Flood Detection

- MyGeoBioD (geological biodiversity data mapping)

- FMRS (Forestry monitoring)

- FSI (Fishing site identification)

- Paddy management.

+ Landslide & critical slopes mapping using sat. remote sensing.