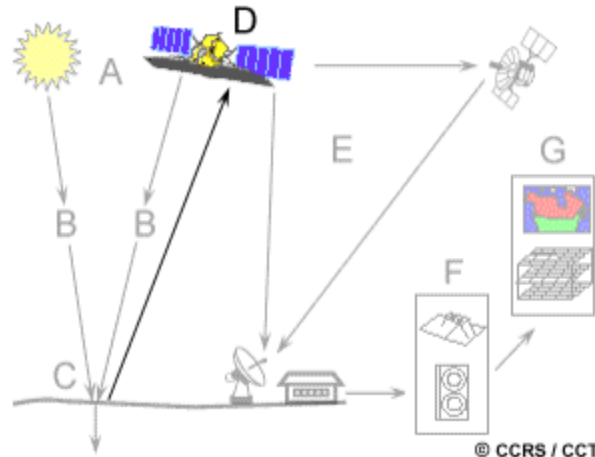


## Remote sensing part #2: Satellite & Sensors

Satellite & Sensors falls on the fourth component of RS: **Recording Energy by the sensor**



To collect & record energy - Sensor must reside on a stable platform

- 1) On ground
- 2) Aircraft/balloons
- 3) Spacecraft/satellite

### Satellite Characteristics

#### 1) Orbit

- Orbit: Path followed by a satellite
- The orbits will match the capability and the objectives of each carried sensors
- Orbit selection varies in: 1) Altitude/height above earth surface 2) Orientation & rotation relative to Earth

#### 2) Swath

- Swath: Area imaged on the surface in which the satellite sees when revolving around the Earth.

