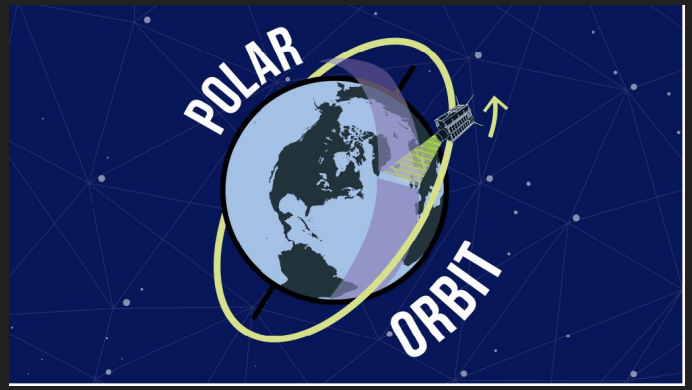
A **VERY LOW** budget educational CubeSat

Objective

To launch a satellite in a polar orbit using a payload for remote sensing purposes, with the goal to develop high technical human resources on aerospace science in both, Mexico and Romania



Expected Lifetime…

Development & Manufacturing: 16 months

Orbital Lifetime: 12 months

Optimal launcher required

- For remote sensing purposes an 90 degree polar orbit would be the best option.
- However, as it is an educational CubeSat project, it is not wise to select an dedicated launcher.
- Accounting that our payload does not really need to cover all of Earth, a 51 degree orbit can cover Mexico and Romania with the disadvantage of allowing to obtain less images during the lifetime of the mision.

Available budget

- Universities funds (12k $) → *launch*
  - Instituto Politecnico Nacional
  - National University of Science and Technology POLITEHNICA Bucharest
- Governments funds (infrastructure access) → *testing facility*
  - Romanian Space Agency (ROSA)
  - Mexican Space Agency (AEM)
- Private funds (30k $) → *development & manufacturing*
  - *Private companies from aerospace & communication industry*