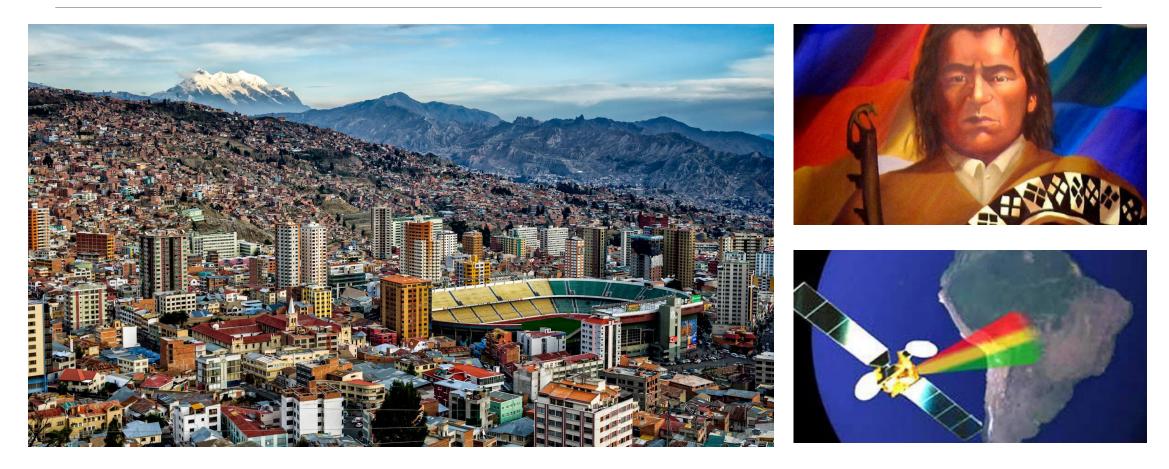




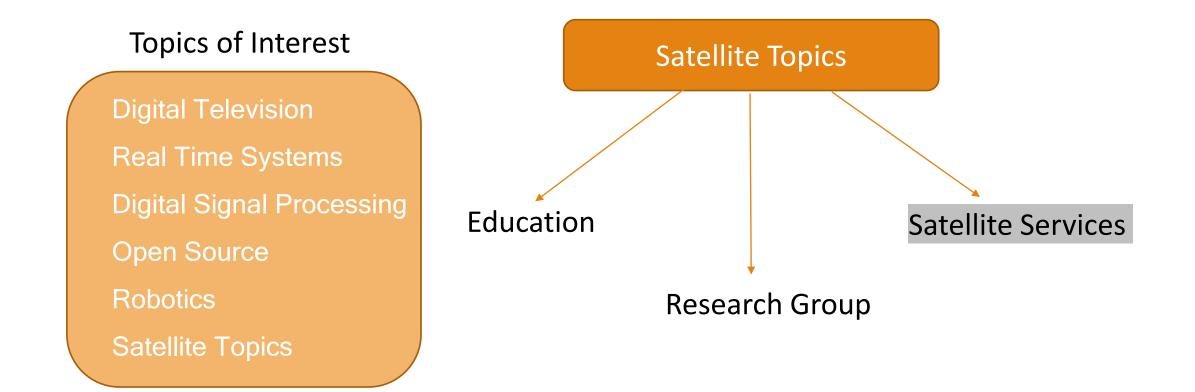
## **Self-Introduction Session**

M. ENG. EDDY MARCELO VINO CONTRERAS UNIVERSIDAD MAYOR DE SAN ANDRES LA PAZ - BOLIVIA

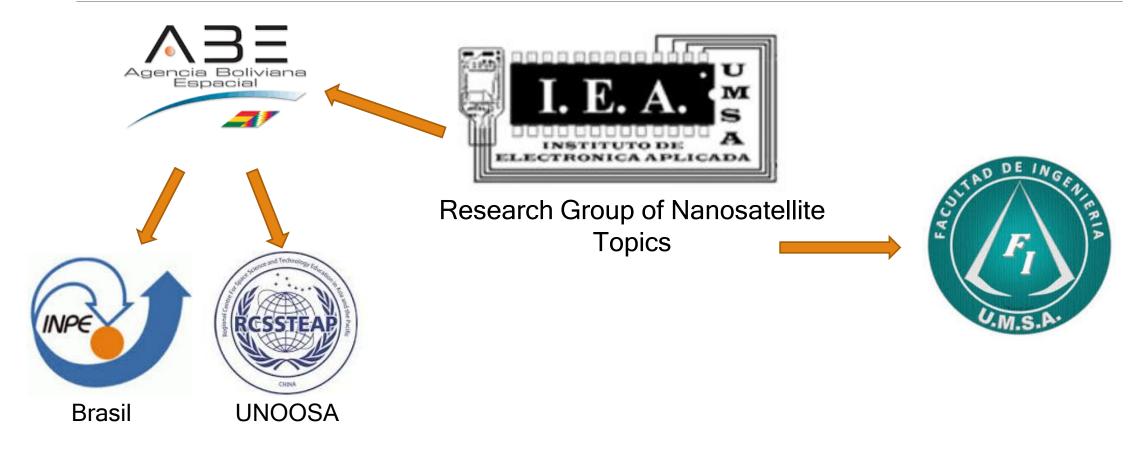
La Paz-Bolivia

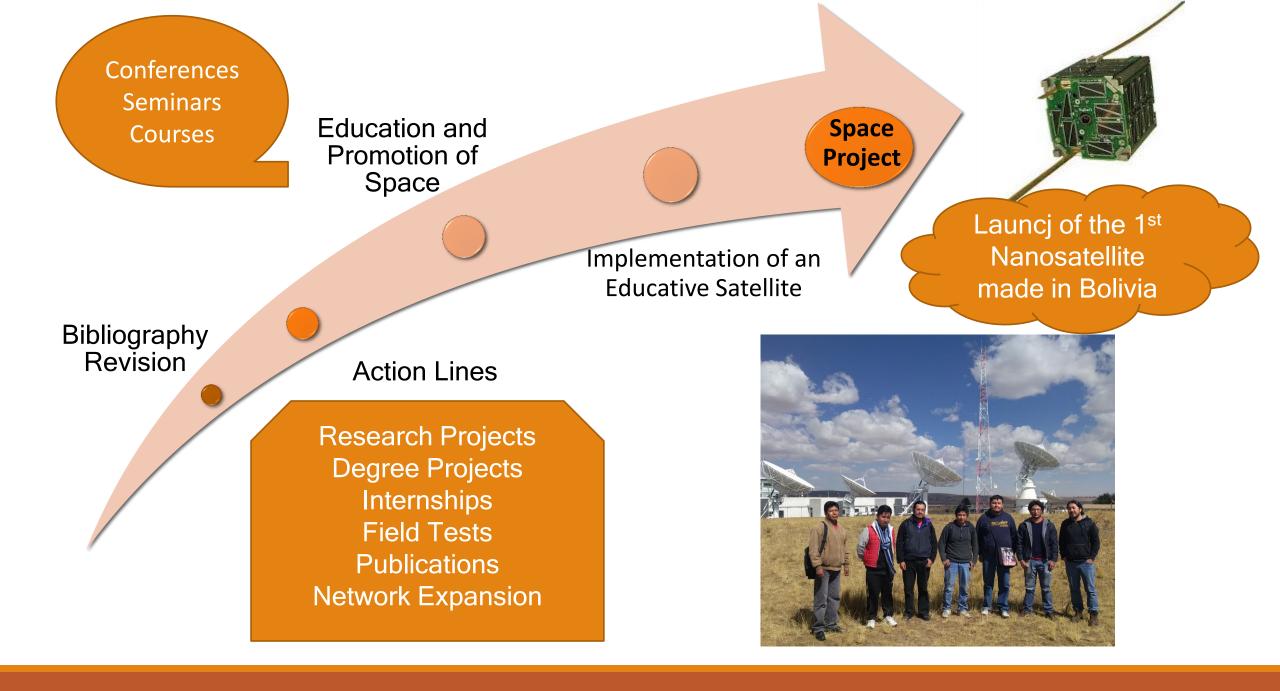


### APPLIED ELECTRONICS INSTITUTE

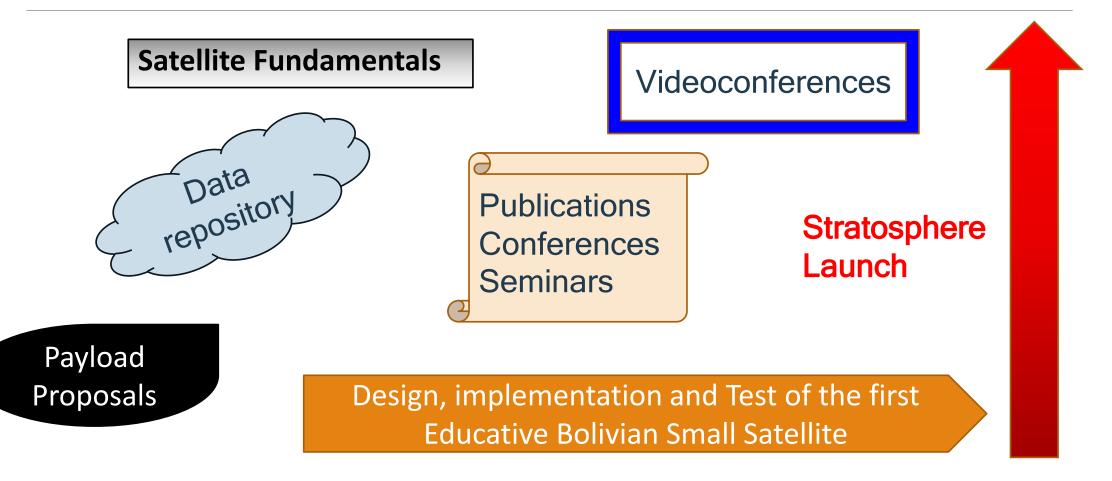


### **Created Network**

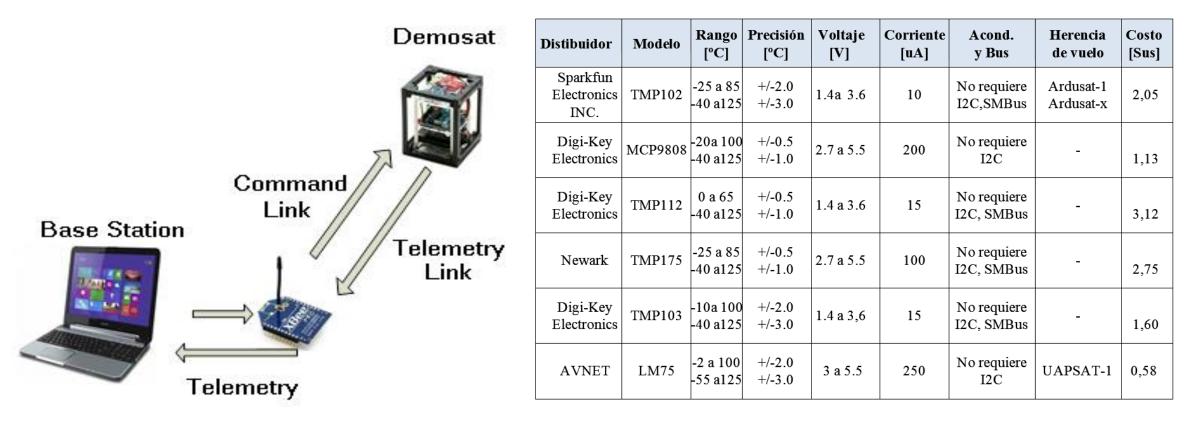




#### Current Work

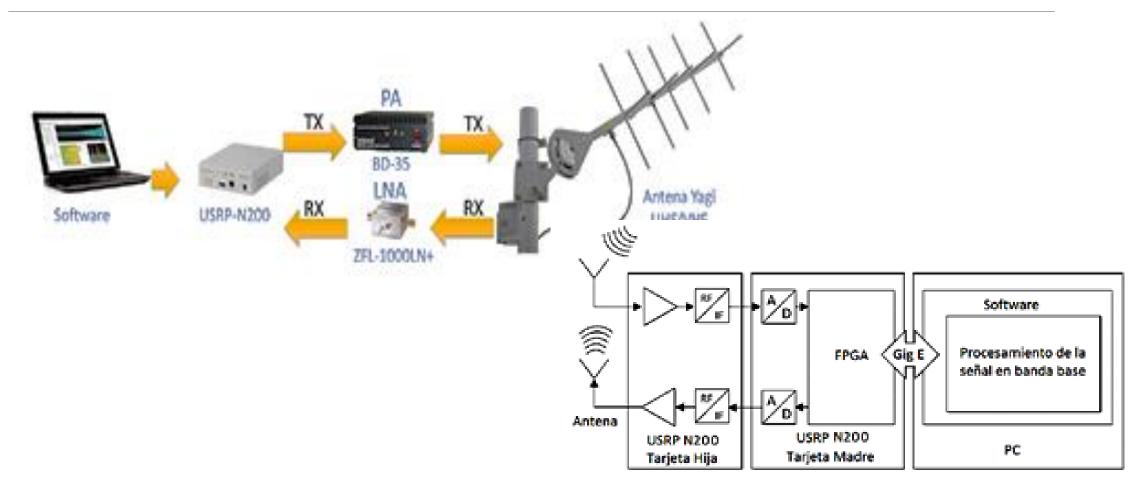


### TT&C Subsystem of an Educative Satellite

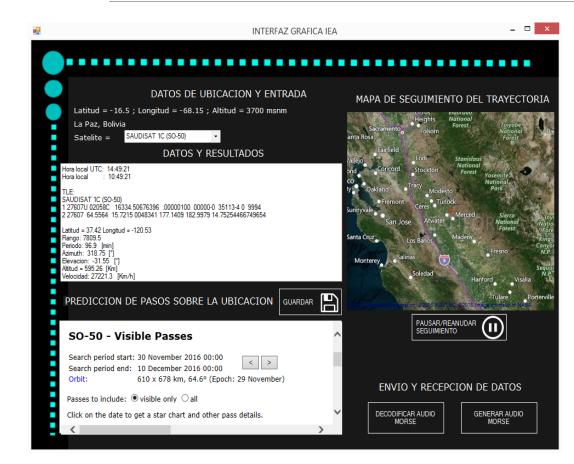


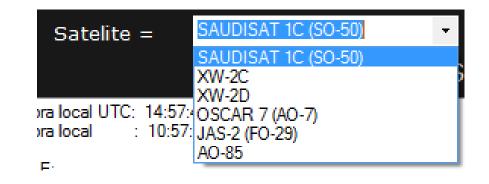
Características de sensores de Temperatura

# Communications Platform for an Educative Earth Station



### **Earth Station GUI**





SW	Latitud [°]	Longitud [°]	Rango [Km]	Periodo [Min]	1000 B 3 6 2 8 10 10 10	Elevación [°]	110002121221231	Velocidad [Km/H]
Satview	58.36	-169.73	11001.1	97.6	326.75	-52.79	644.88	27120.79
Programa	59.41	-171.18	10948.2	97.3	327.41	-52.63	616.35	27180.26

### **Future Projects**

Hybrid Earth Station Implementation

Software Defined Radio using USRP

- Helicoidal and Cross Yagi Antennas
- Database connected the SatNOGS network

One Axis Attitude Control for the Educative Satellite

Attitude determination based on IMU sensors plus GPS from the Demosat using the TRIAD method

□ Inertial Wheel Design and Implementation

Design and Implementation of a Helmholtz Cage

Design and Implementation of the Cubesat Structure

### Projects for the Future







SatNOGS Project

SoftProcessorsfromAltera and ARM Processor

**IEA Earth Station** 

**Atmospheric Payloads for Future Launches** 

### THANKS FOR YOU ATTENTION