CANSat, a practical methodology to introduce young students in science and technology with social inclusion

Castillo Sinchitullo Yomar; Hilasaca Sánchez Luis Kenji; Lopez Caceres Jorge Roberto; Mauricio Condori Manasses Antoni; Nieves Acosta Ayrton; Salazar Rojas Andree; Veramendi Esponiza Roberto

Fredy Arturo Calle Bustinza
CLTP - Wakayama University

Renato Miyagusuku Ríos
CLTP - Nihon University

23–24 November 2013, Takeda Hall
National University of Engineering Center for Information Technology and Communication CANSat Perú
CURRENT SITUATION IN PERU

**Bicentennial Plan of Perú**

**NEEDS Aerospace Industry Development**

**UNI**

**CONIDA**

**Peruvian Space Agency**

**Chasqui I**

**Peruvian Nanosatellite**

**Radio SKAF**

**Peruvian Microsatellite**

**CanSat Perú**

*Educational activities with young students*

*Development of several projects in different areas.*

*Images Processing applied to sensing of water bodies and forest.*
CANSA T ACTIVITIES IN PERU

1. CANSA T ACTIVITIES 2011
   a) ELEMEN TA RY S C H OO L S T U D E N TS
   b) HI G H S CHOO L S T U D E N TS
   c) U N I V E R S I T Y S T U D E N TS

2. CANSA T ACTIVITIES 2012
   a) H I G H S C H O O L S T U D E N TS
   b) U N I V E R S I T Y S T U D E N TS

3. CANSA T ACTIVITIES 2013
   a) H I G H S C H O O L S T U D E N TS
   b) U N I V E R S I T Y S T U D E N TS
PERUVIAN CANSAT ACTIVITIES 2012 – 2013

Peru’s cansat basic prototypes based on CLTP experiences around Chasqui Nanosatellite
PERUVIAN CANSAT ACTIVITIES  2012 – 2013

Students started their training on  ROVER BACK CANSAT

University Undergraduate Students
GOALS
ROAD TO ARLISS 2013!!

CTIC UNI
CONCLUSIONS

1. In Peru is possible create an educational line in aerospace systems, as we have been doing, and with other institutions.
2. Although there are many restrictions in Peru, it has been shown that there is very good human skills for future joint projects.
3. In general, we are ready to start new project in aerospace systems.
THANKS YOU VERY MUCH FOR YOUR ATTENTION