# **AGENCIA BOLIVIANA ESPACIAL**

Bolivia's National Satellite Program Tupac Katari I

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### BOLIVIA

#### Demographic distribution estimation







- Bolivia has three geographic zones: the mountains and Altiplano in the west, the semitropical and temperate valleys of the eastern mountain slopes, and the tropical lowlands or plains (llanos) of the eastern lowlands.
- Bolivia has many areas with difficult access (e.g. surrounded by mountains or by the amazons).



# BOLIVIA



- The constitution of the State, adopted in February 2009, establishes as basic services the telecommunications access, establishing as a responsibility of the State the provision of this services, although it may be provided through private companies.
- Bolivian 2025 agenda establishes universal access to basic services such as telecommunications.





### **TKSAT-1** Programme

- The Bolivian Space Agency (ABE) was created on February 10<sup>th</sup>, 2010.
- On December 11<sup>th</sup>, 2010, ABE signs the contract for the Tupac Katari satellite TKSAT-1 with China Great Wall Industries Corporation (CGWIC).
- On December 20<sup>th</sup>, 2013, the TKSAT-1 was launched from China.
- On Abril 1<sup>st</sup>, 2014, the TKSAT-1 begins commercial operations.





# **TKSAT-1 Programme Results**



- Universal access to TV and radio channels (FTA), it is estimated that more than 100.000 homes receive the FTA channels.
- 2.500 "Telecentros" have been implemented in the last years. "Telecentros" are places where people have access to Internet, satellite TV and telephony services.
- Cellular Backhaul (more than 600 BTS connected)



# **TKSAT-1 Programme Results**



- A national programme of tele-education was implemented.
- A national programme of telehealth was implemented.
- Several projects implemented for modernize government services (Mobile ID offices along the country, Toll roads administration, Customs office at borders, among others)





#### **TKSAT-1** Programme Results

#### • TKSAT-1 Capacity distribution



• As of May 2017, about **70%** of the total capacity is occupied.



#### **Future projects**

• A second communications satellite (TKSAT-2). HTS for universal access to telephone and broadband internet services in remote and rural areas. To be launch between 2021 and 2025

• A remote sensing satellite, it will be named Bartolina Sisa, for now postponed until the next administration (2020).

#### Gracias por su atención!

