The Establishment and Work of ROAD-Andina
Regional Office of Astronomy for Development

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Bogotá, Colombia. South america

UN / Italy Open Universe initiative
Vienna, Austria. 20 - 22 Nov. 2017

UNITED NATIONS
Office for Outer Space Affairs
Agenda

1. OAD
2. Andean R.O.A.D
   Astronomy for Universities & Research (TF1)
   Astronomy for Children & Schools (TF2)
   Astronomy for the Public (TF3)
3. Strengths and Weaknesses
4. Use and Education of Space Technologies for Economic and Social Development in Colombia
5. From Andean Region Node to Open Universe
Andean R.O.A.D
ECUADOR
15 MILLION PEOPLE

COLOMBIA
48 MILLION PEOPLE

Andean R.O.A.D
ECUADOR
15 MILLION PEOPLE

COLOMBIA
48 MILLION PEOPLE

VENEZUELA
30 MILLION PEOPLE
Andean R.O.A.D

ECUADOR
15 MILLION PEOPLE

COLOMBIA
48 MILLION PEOPLE

VENEZUELA
30 MILLION PEOPLE

PERU
30 MILLION PEOPLE

BOLIVIA
10 MILLION PEOPLE
ECUADOR 15 MILLION PEOPLE
COLOMBIA 48 MILLION PEOPLE
VENEZUELA 30 MILLION PEOPLE
PERU 30 MILLION PEOPLE
BOLIVIA 10 MILLION PEOPLE
CHILE 17 MILLION PEOPLE
Andean R.O.A.D

- ECUADOR
  15 MILLION PEOPLE
- COLOMBIA
  48 MILLION PEOPLE
- VENEZUELA
  30 MILLION PEOPLE
- PERU
  30 MILLION PEOPLE
- BOLIVIA
  10 MILLION PEOPLE
- CHILE
  17 MILLION PEOPLE

150 MILLION PEOPLE
Some cooperating institutions

Bolivia

Universidad Mayor de San Simón

Colombia

Universidad de los Andes
Universidad ECCI
Observatorio Astronómico Nacional
Universidad de Antioquia
Universidad Distrital Francisco José de Caldas
Planetario de Bogotá
Parque Explora - Planetario de Medellín
Universidad Industrial de Santander
Universidad Sergio Arboleda

Chile

Sociedad Chilena de Astronomía, SOCHIAS

Ecuador

Escuela Politécnica Nacional
Universidad San Francisco de Quito

Perú

Instituto Geofísico del Perú
Universidad Nacional de Ingeniería

Venezuela

Centro de Investigaciones de Astronomía, CIDA
Instituto Venezolano de Investigaciones Científicas, IVIC
Andean R.O.A.D- Human Team

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Andean Regional Office of Astronomy for Development

Repositories: 18
People: 1

Search repositories...
Type: All
Language: All

Reports
Internal reports and reports to the central OAD
Updated on 29 Sep

ProposalROAD
Proposal for the creation of an Andean ROAD
• TeX Updated on 25 Aug

Top languages
• TeX

People
forero
Jaime Forero-Romero
TF1: Astronomy for Universities & Research

PROJECTS:
• Working group on Astroparticle physics
• Working group on Radioastronomy
• Andean Masters Program (leaders: U. Antofagasta, Chile; U. Andes, Colombia)
• Andean Astronomy and Astrophysics School (annual event)
• Astronomy in the Andes Workshop (biannual event)
TF1: Astronomy for Universities & Research

Meetings and groups events

1st Astronomy Workshop
Los Andes University
2013 Bogotá - Colombia
TF1: Astronomy for Universities & Research

Meetings and groups events

2nd Astronomy Workshop
Los Andes University
2015 Bogotá - Colombia
Andean schools of astronomy and astrophysics  Ecuador 2014
TF1: Astronomy for Universities & Research

Working Group on Astro-particle Physics

Luis Alberto Núñez
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www.aps.org/units/fip/newsletters/201202/lago.cf

Sierra Negra in Mexico at 4550 m.a.s.l
Chacaltaya in Bolivia at 5250 m.a.s.l
Marcapomacocha in Peru at 4450 m.a.s.l

Working group on Radio Astronomy

Oscar Restrepo
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Diana Cubillos
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MARI

MINI
TF2: Astronomy for Children & Schools

PROJECTS:

• Astronomy for people with physical disadvantages
  (leader: Angela Pérez, Parque Explora -Planetario Medellín, Colombia)

• Virtual training sessions for high school teachers
  (leader: Enrique Torres, IVIC, Venezuela)
TF2: Astronomy for Children & Schools

Astronomy with all our senses
TF2: Astronomy for Children & Schools
From left to right: Fabio del Sordo, Eva Ntormousi, Saida Díaz, Pilar Becerra y Germán Chaparro.

picture: Fabio del Sordo / Galileo Mobile
TF3: Astronomy for the Public

PROJECTS:

• New show development for regional planetariums (leader: Carlos Molina, Planetario Medellín, Colombia)

• Andean regional meeting of “Communicating Astronomy with the Public” (leader: Farid Char, U. Antofagasta, Chile)
TF3: Astronomy for the Public

http://www.planetariomedellin.org/
TF3: Astronomy for the Public

Communicating Astronomy with the public

TOPICS

• Media relations
• Public engagement
• Challenges in astronomy communication
TERTULIA
DE LAS ESTRELLAS A LA RETINA
miércoles 6 de abril
4:00 p.m.
Observatorio Astronómico
Fernando Peña Méndez, Oftalmólogo

ENTRADA LIBRE
Previa inscripción

POESÍA Y ASTRONOMÍA
Miércoles 25 de mayo
6:00 p.m. - 9:00 p.m.
Observatorio Astronómico
ENTRADA LIBRE
previa inscripción

Invitados nativos de diferentes países declamando en su lengua materna
Suecia, China, Colombia, España, Alemania, Gran Bretaña, Irlanda, Japón e Italia.

Observatorio astronómico universidad sergio arboleda
@LaSergioElCamo
@GalaxiaElBosque

Sergio Arboleda University
Strengths

Culture

Support

Goals

Language

[Checkmark]
Weaknesses

Personnel

Projects

Standards

Lack
Access to Space

April 17 2007
Baikonur, Kasajastan
From Andean Region to Open Universe

1. Further development of activities such as workshops, gatherings and inclusion meetings

2. Use of platforms and technological aids for information exchange and online education

3. Promoting new scientific research in areas like:
   - Near earth objects monitoring
   - Constructing astronomical sites in dark and quiet sites
Thank you, for your attention

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