



Cornell University



Jicamarca: 50 years of  
scientific contributions  
career developments,  
international collaboration and more

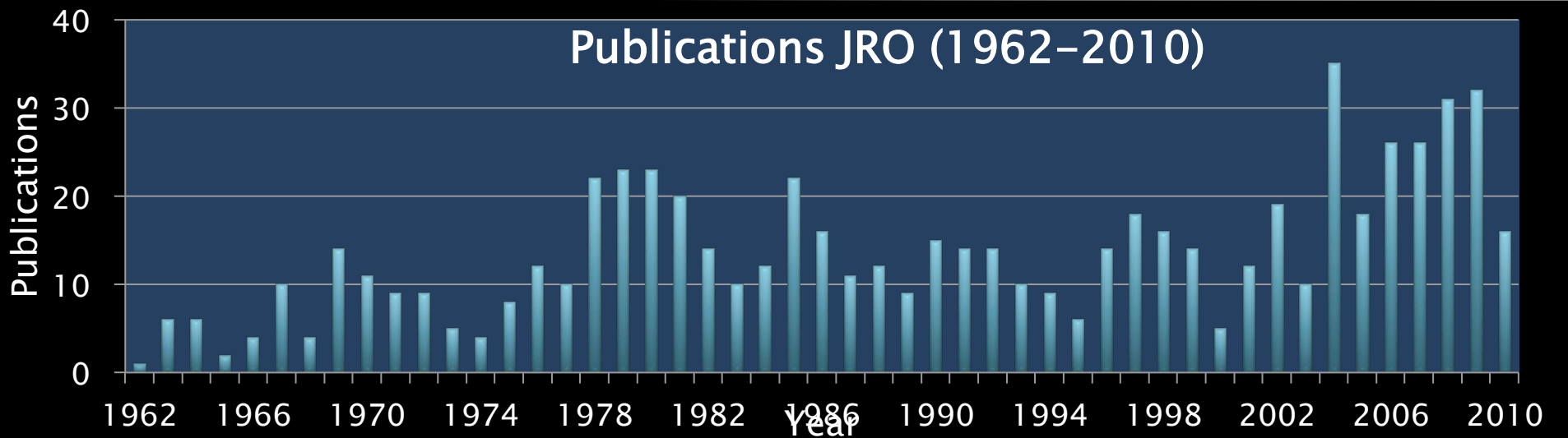
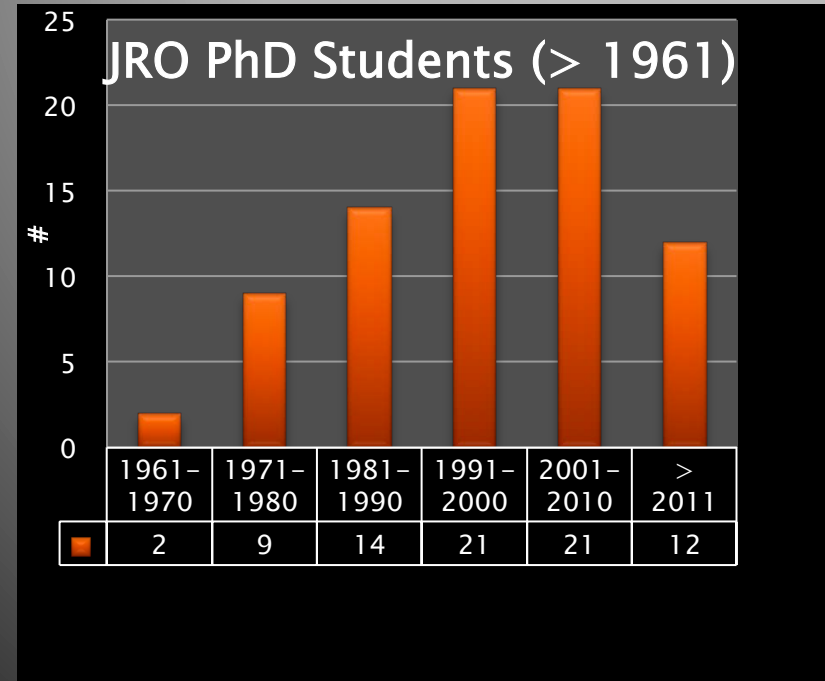
Desde 1961-62

1961-62 Desde



# Some numbers ...

- 700 publications
- > 75 Ph.D. students
- 19 Ph.D. from Peru



# During these 50 years ...

» Instrument, Science, People,  
International collaboration, ...

# The Instrument



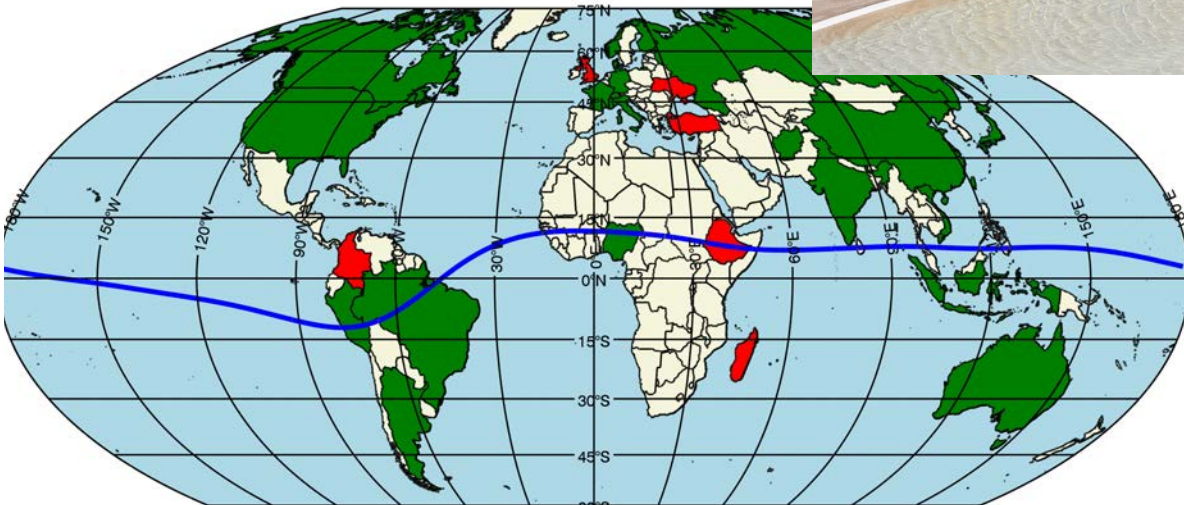
The first ISR built for that purpose  
The only ISR in the equatorial region  
The largest and most powerful  
It is flexible, modular, versatile ...

# The science (e.g., ISEA13, CEDAR Workshops on EA related topics)

- 120+ oral, 94- posters
- ~150 participants + 21
- Authors: 480+



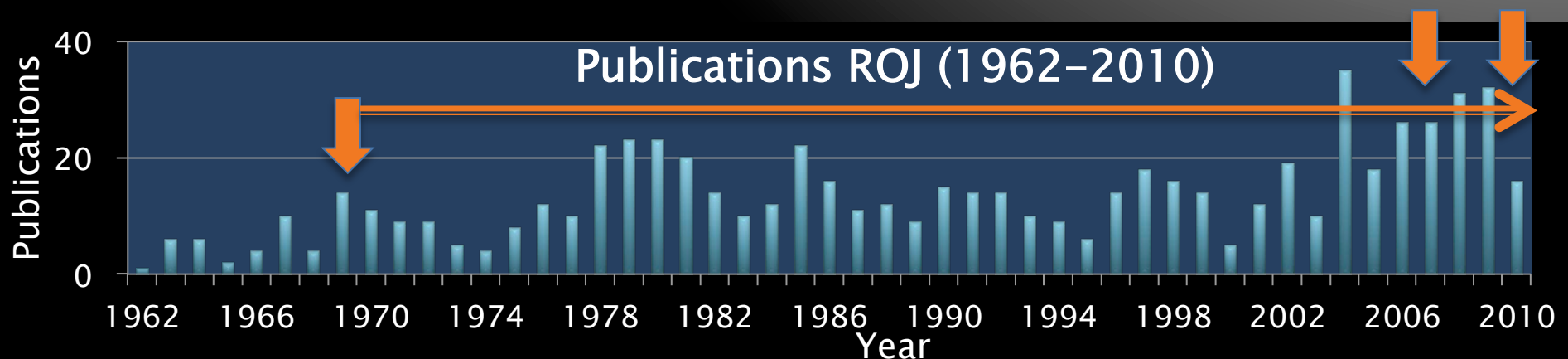
ISEA13 Countries by Institutions and Nationalities



Institutions from 23 countries (USA, Brazil, Peru, India, ...)

# Jicamarca contributions

- ▶ Scientific (discoveries, theories, database, ...)
- ▶ Technique development (Perp. Drifts, Faraday densities, Interferometry, MST, imaging, ...)
- ▶ Engineering development (continuous modernization and upgrades ...)
- ▶ ...



# People + International Collaboration

- ▶ Bowles, Farley, Hagfors, Balsley, Woodman, ...
- ▶ Fejer, Ierkic, La Hoz, Gonzales, Rastogi, Swartz, ..
- ▶ Labelle, Kelley, Kudeki, Pfaff, Pingree, Sahr, Valladares, ..
- ▶ Aponte, Chau, Erickson, Hysell, Oppenheim, Urbina, ...
- ▶ Cuevas, Lu, Malhorta, Makela, Milla, Nicolls, Pacheco, Rodrigues, Scipion, Shume, ...
- ▶ Aveiro, Bass, Galindo, Ilma, Olson, Pinedo, Reyes, Varney, Vierinen, ...





# JRO spirit after 50 years



# Five decades to remember



► **Five decades to remember.**  
Jicamarca 50th celebration at JRO right after ISEA13  
(March 17th, 2012)



# Jicamarca's future ...

a heater at the Equator would be an excellent addition



Jicamarca is still at the frontier, doing excellence science ...

I'm completely sure will continue making discoveries, training new students, involving more researchers

Will continue being important .. Congratulations and many more anniversaries to come.

R. Behnke, words and "thoughts" at the JRO50 main ceremony, March 17<sup>th</sup>, 2012

JICAMARCA RADIO OBSERVATORY  
AT THE FOREFRONT OF EQUATORIAL GEOSPACE KNOWLEDGE



ANNIVERSARY  
JRO JICAMARCA  
RADIO  
OBSERVATORY  
SINCE 1961