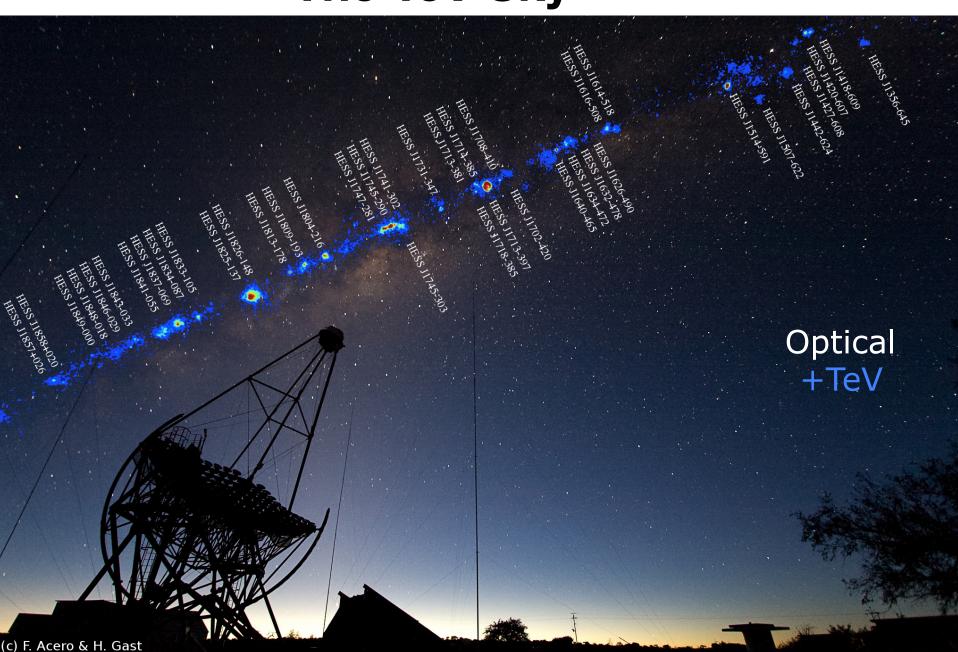
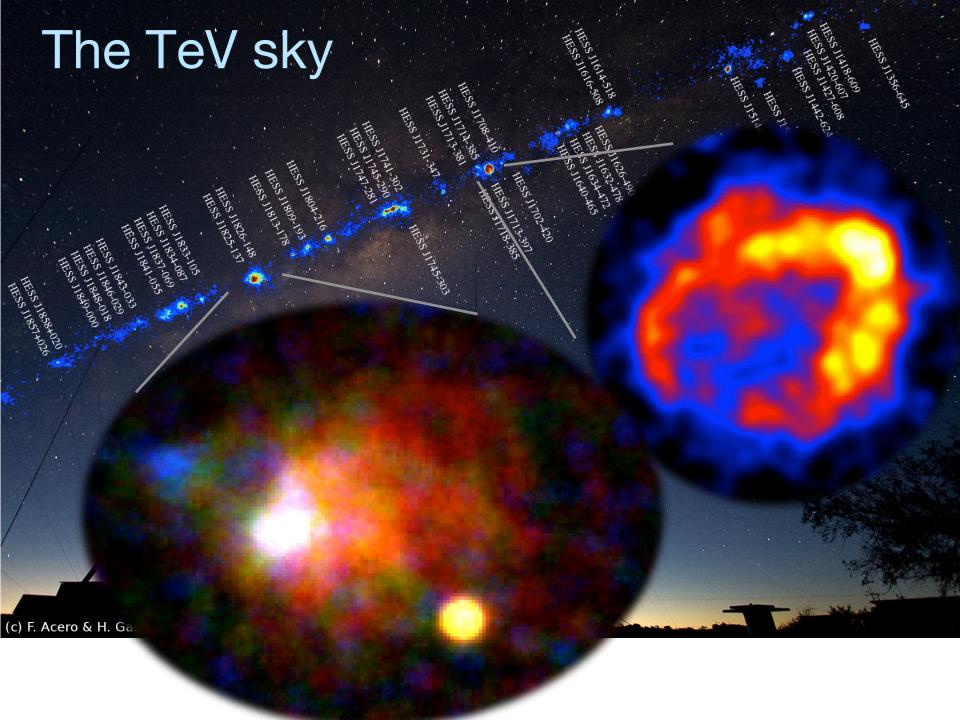
THE ASTRI PROTOTYPE AND THE PATH TO CTA

Patrizia Caraveo

The TeV Sky

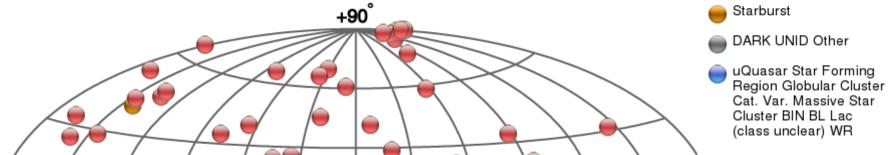


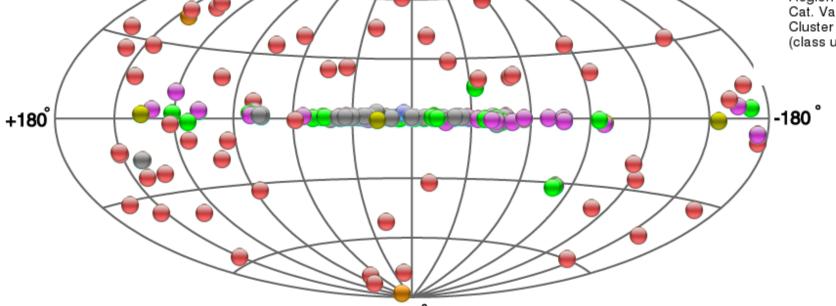


The TeV sky <200 sources

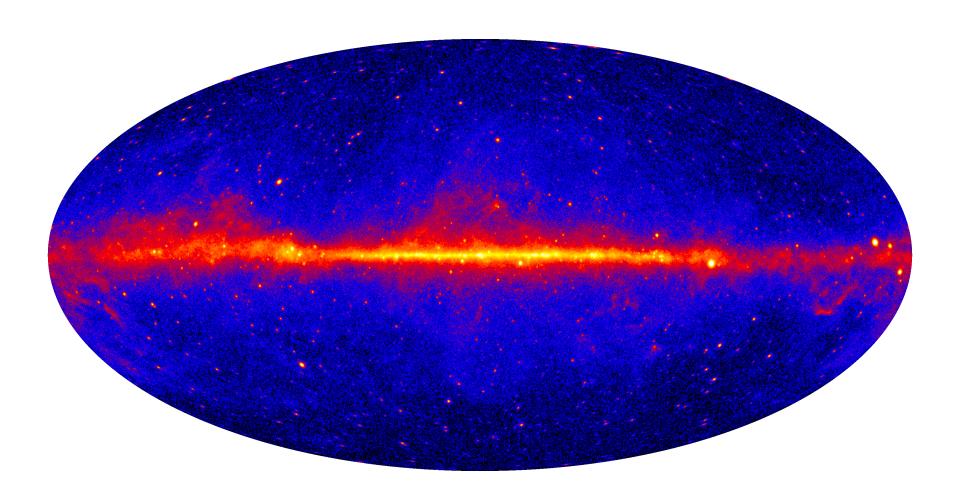
Source Types

- PWN
- Binary XRB PSR Gamma
- HBL IBL FRI FSRQ Blazar LBL AGN (unknown type)
- Shell SNR/Molec. Cloud Composite SNR Superbubble



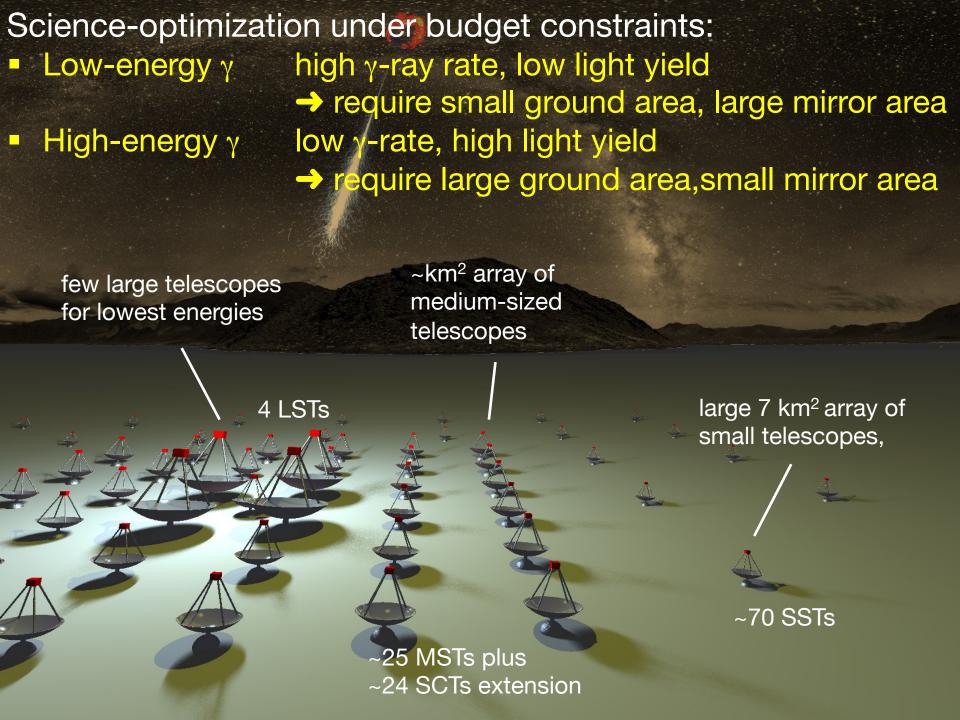


To increase x 10 the number of VHE sources

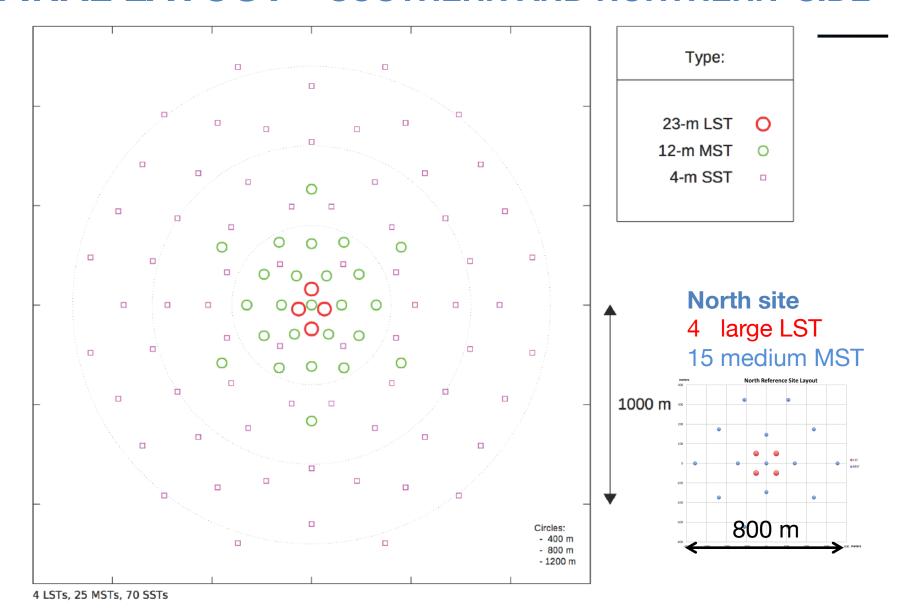


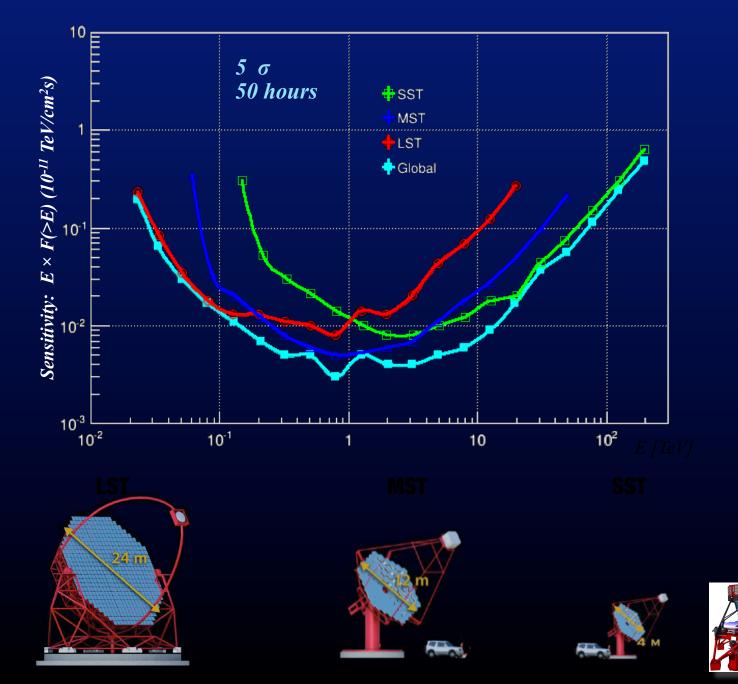
The Fermi Sky (>1 GeV)



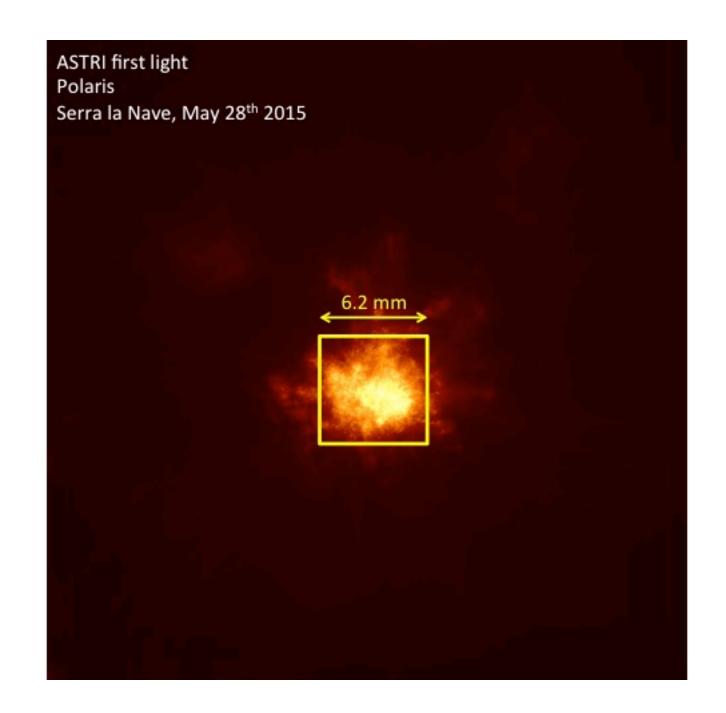


FINAL LAYOUT - SOUTHERN AND NORTHERN SIDE





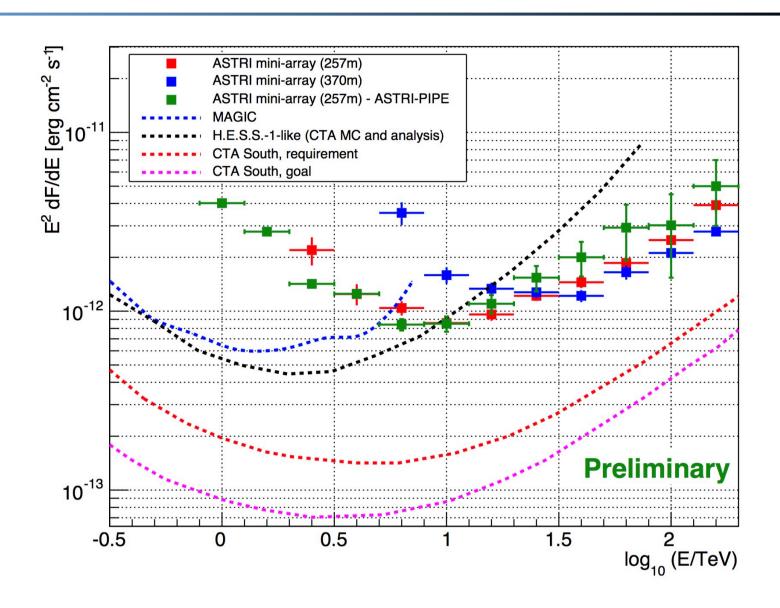




Next task: building a mini-array



To start unveiling the sky at E>10TeV

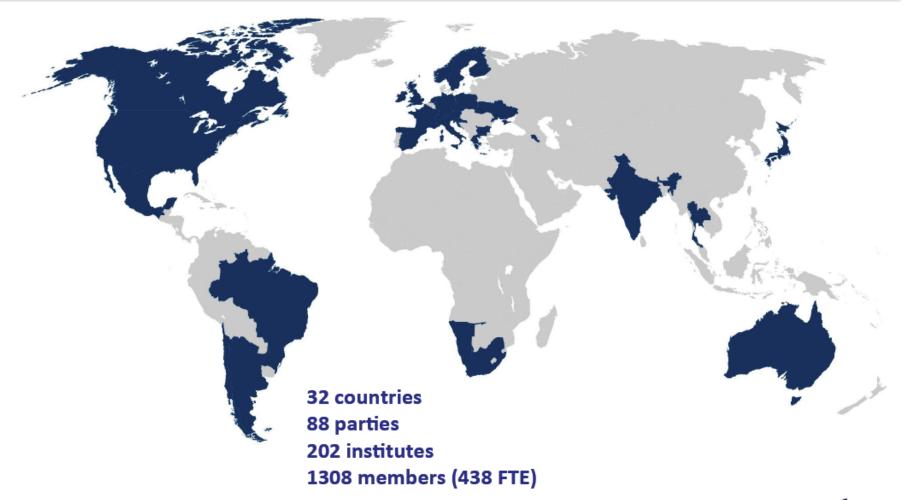


CTA CONSORTIUM

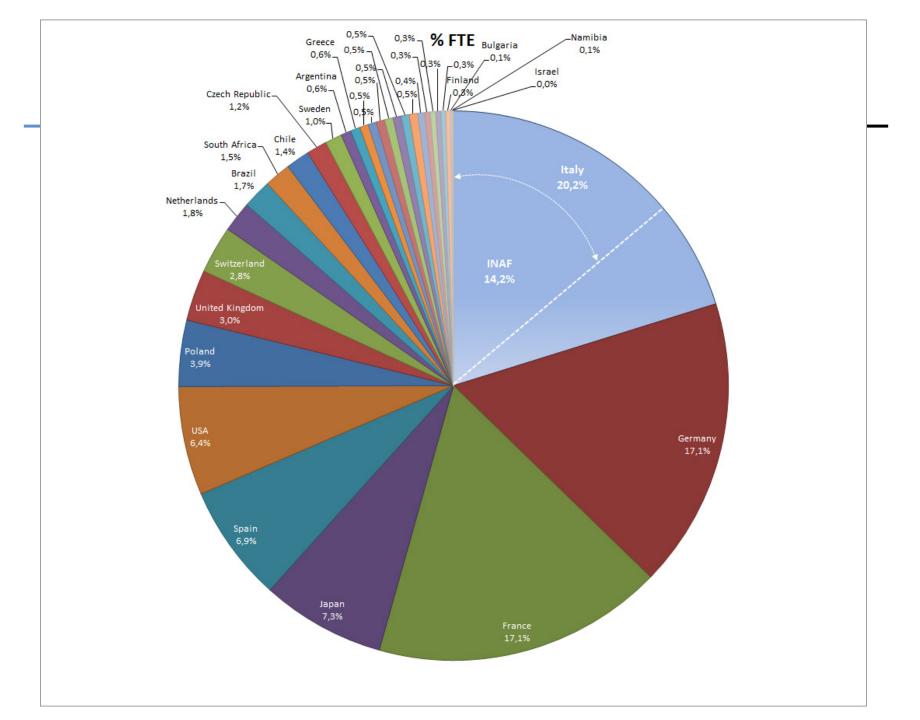
Spokesperson Werner Hofmann (Heidelberg)
Co-spokesperson René Ong (UCLA)

Consortium status

Maggio 2016







☐ Country : Italy (26) ■ Party : INAF (16) INAF - Istituto di Astrofisica Spaziale e Fisica Cosmica di Palermo INAF - Osservatorio Astrofisico di Torino, Italy INAF - Osservatorio Astronomico di Bologna INAF - Osservatorio Astronomico di Brera :/ INAF - Osservatorio Astrofisico di Catania INAF - Osservatorio Astronomico di Padova INAF - Osservatorio Astronomico di Roma :/ INAF - Telescopio Nazionale Galileo Project Department, INAF 1 Istituto di Astrofisica Spaziale e Fisica Cosmica :/ Istituto di Astrofisica Spaziale e Fisica Cosmica- Bologna

Osservatorio Astrofisico di Arcetri

IAPS Istituto di Astrofisica e Planetologia spaziali

Institute of Advanced Study of Pavia

: Osservatorio Astronomico di Trieste and INFN Sezione di Trieste

Istituto di Radioastronomia, INAF

→ Party: INFN Consortium (10)