The background of the slide is a composite image. The upper portion shows a deep space scene with a prominent spiral galaxy and a bright, multi-colored streak representing a cosmic ray shower descending from the top left. The lower portion shows a blue, textured surface, possibly representing the Earth's atmosphere or a detector array.

Pierre Auger Observatory
studying the universe's highest energy particles

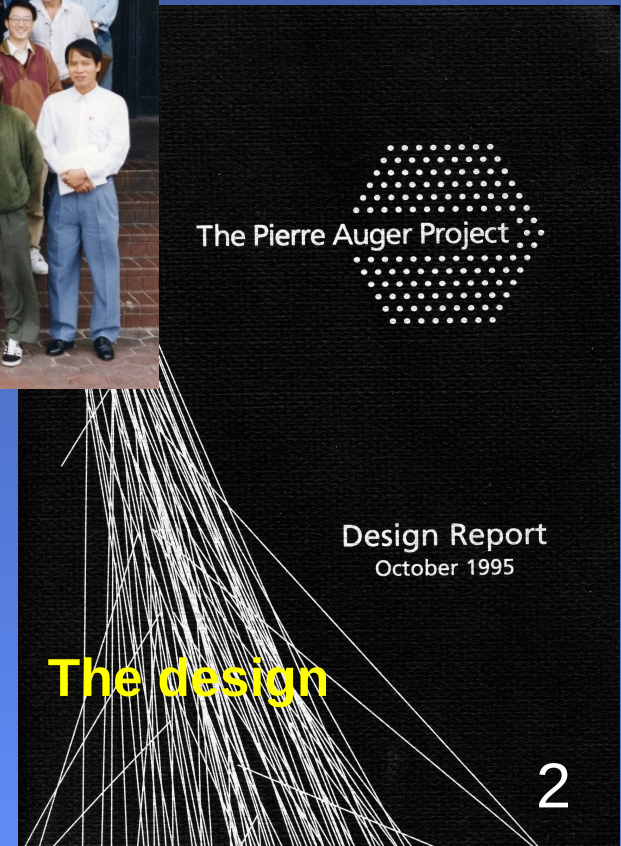
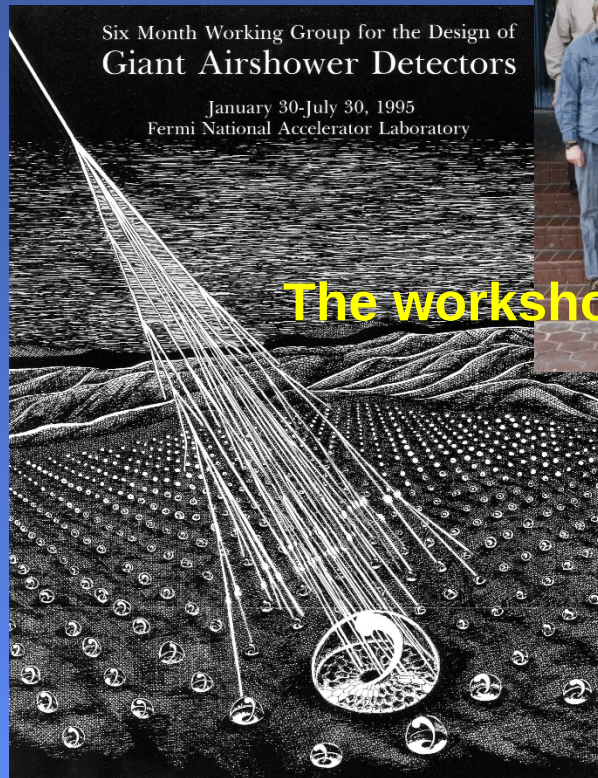
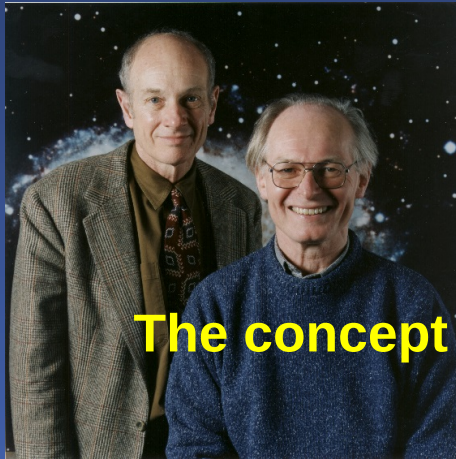


Building the Pierre Auger Observatory

A Success Story For International Science

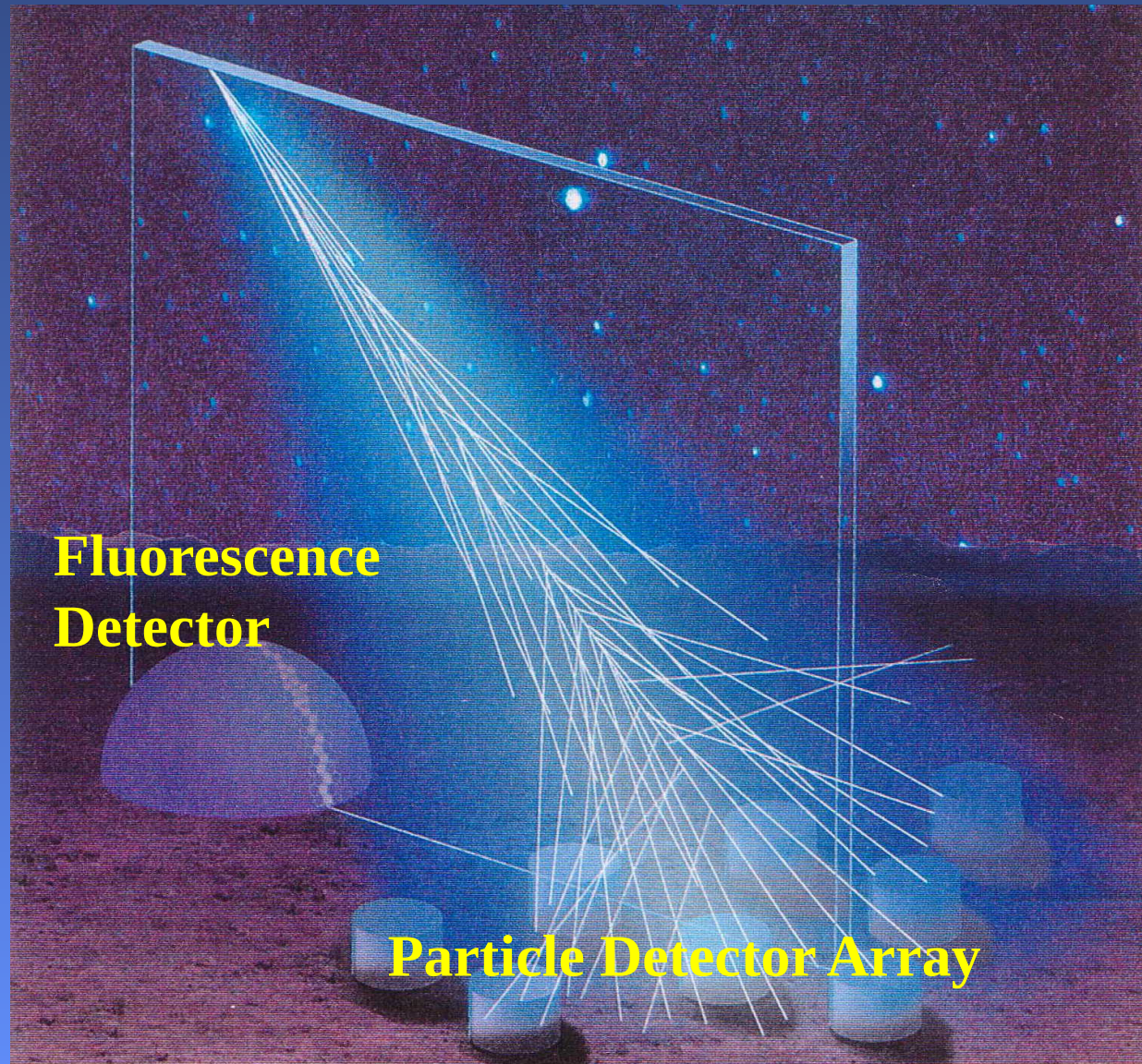
The Giant Array Workshop

Fermilab - February to July, 1995



The Observatory Design

Surface detector array + *Air fluorescence detectors*



The Auger Collaboration



Argentina
Australia
Brazil
Columbia
Czech Rep.

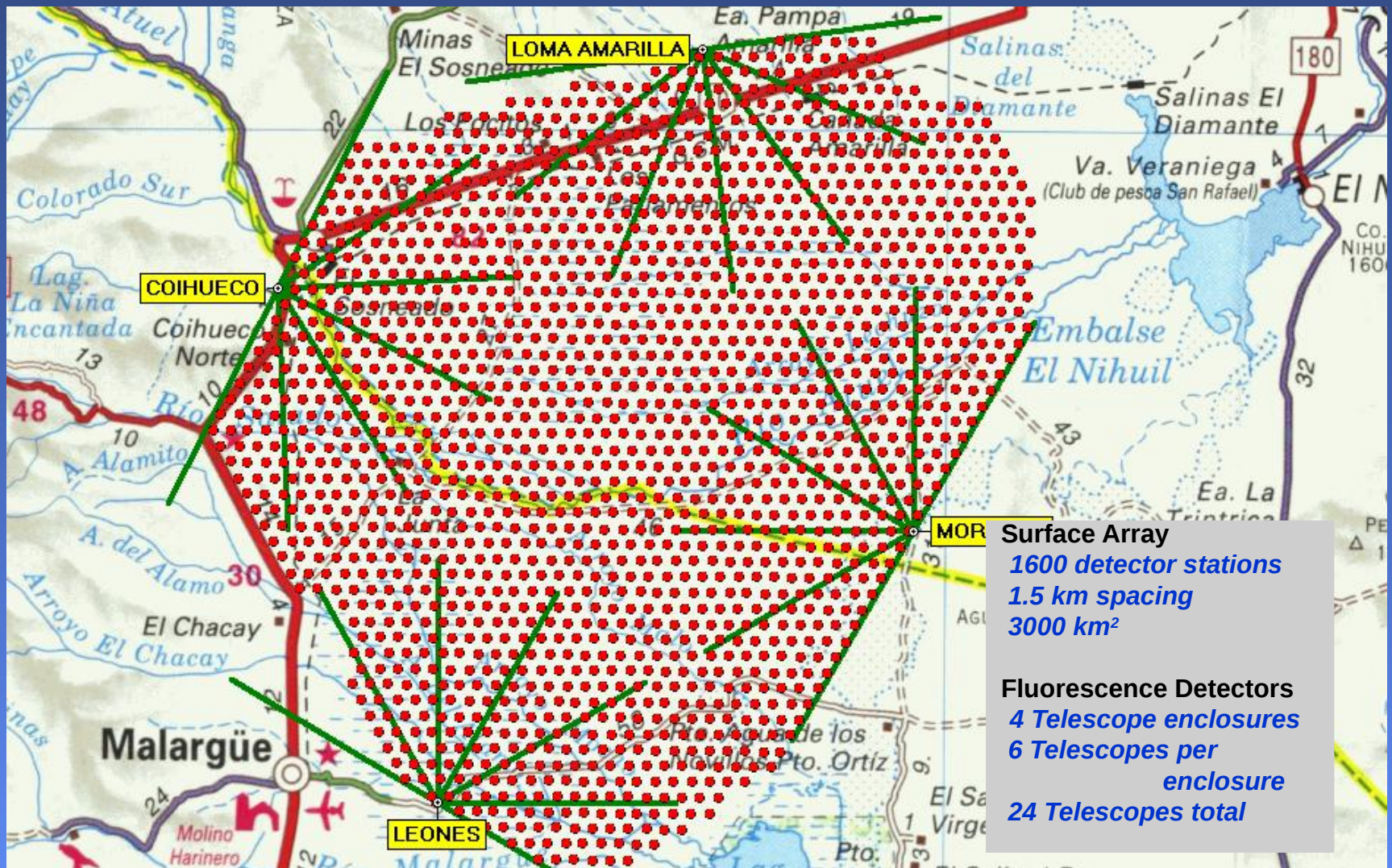
France
Germany
Italy
Mexico
Netherlands

Poland
Portugal
Romania
Slovenia
Spain

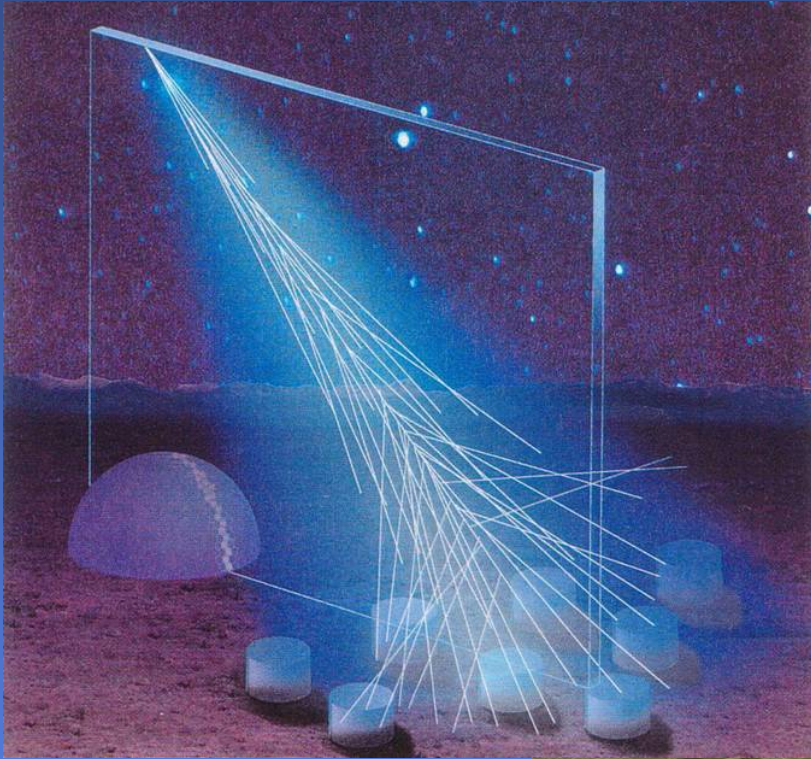
UK
USA

- 97 institutions
- 450 collaborators

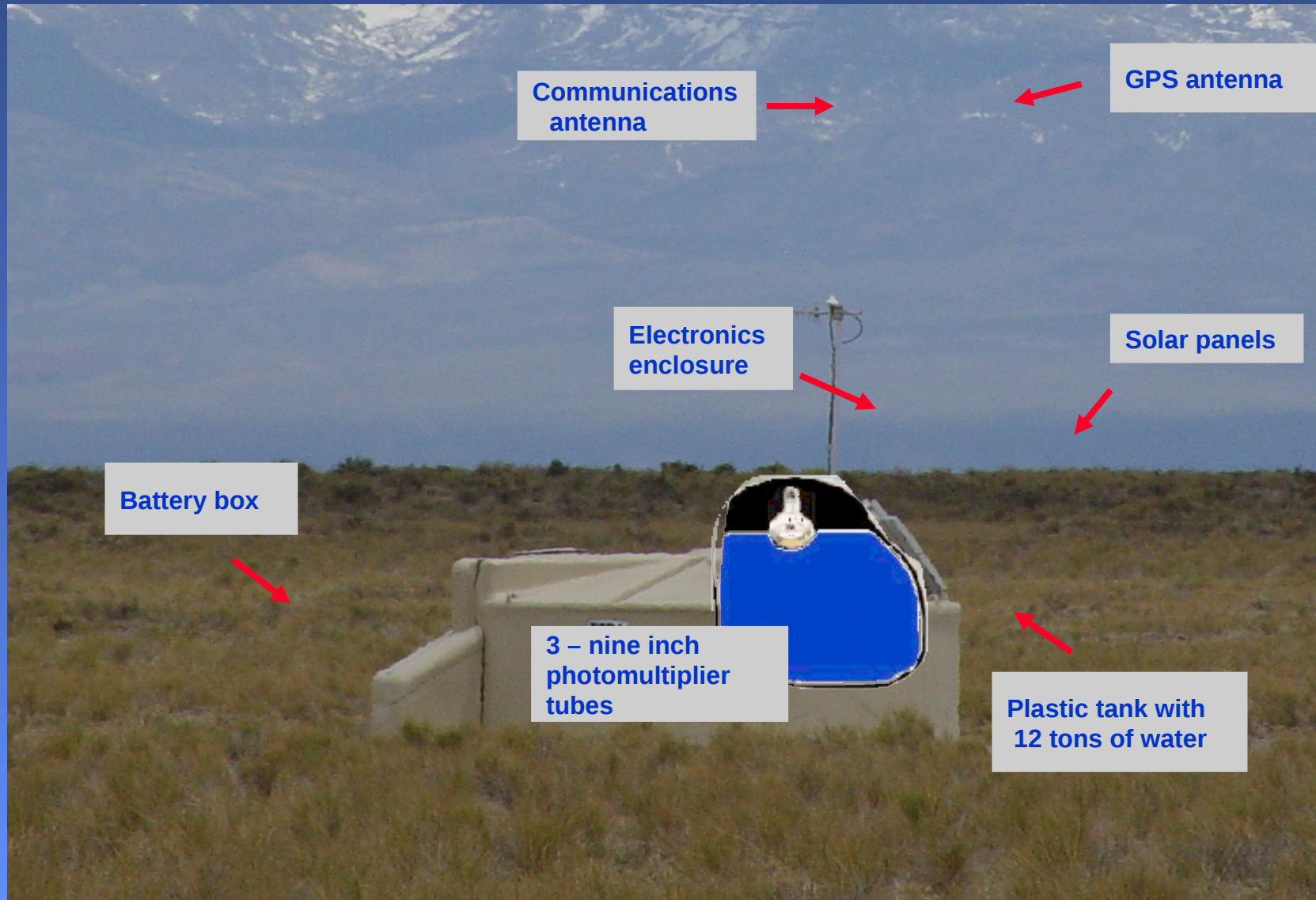
The Observatory Plan



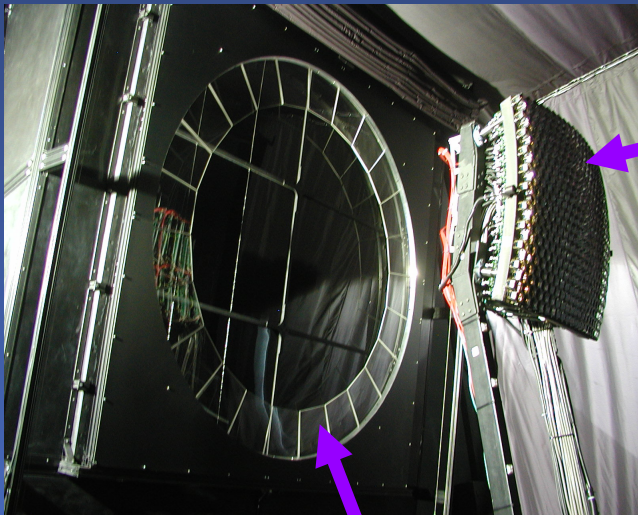
Concept to Reality



The Surface Array Detector Station



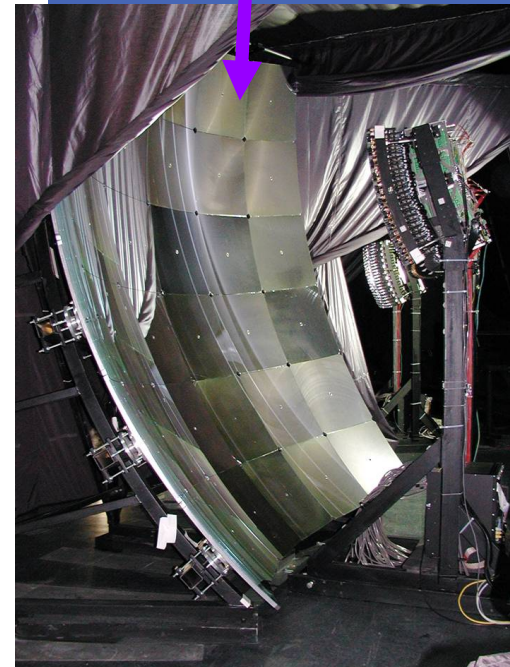
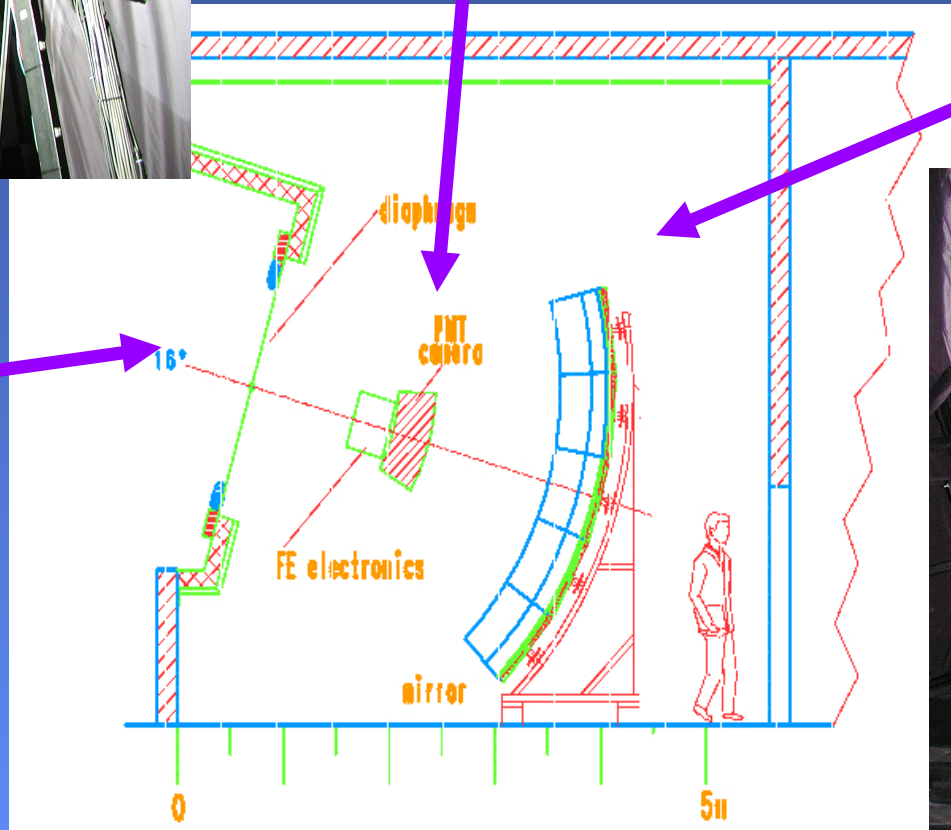
Fluorescence detector inside



440 pixel camera

3.4 meter diameter segmented mirror

aperture stop, filter, corrector lens



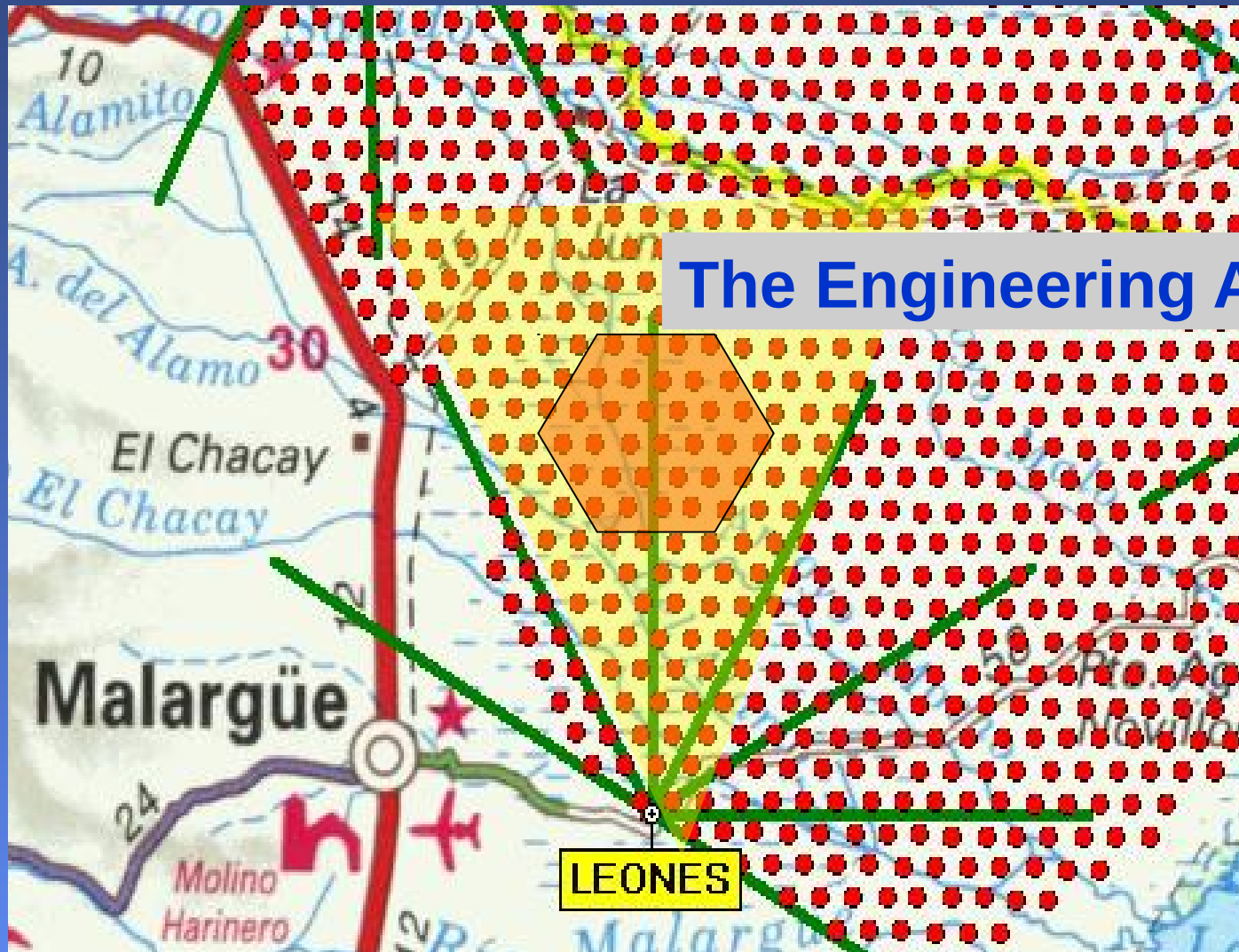
Communications



Auger Observatory Campus



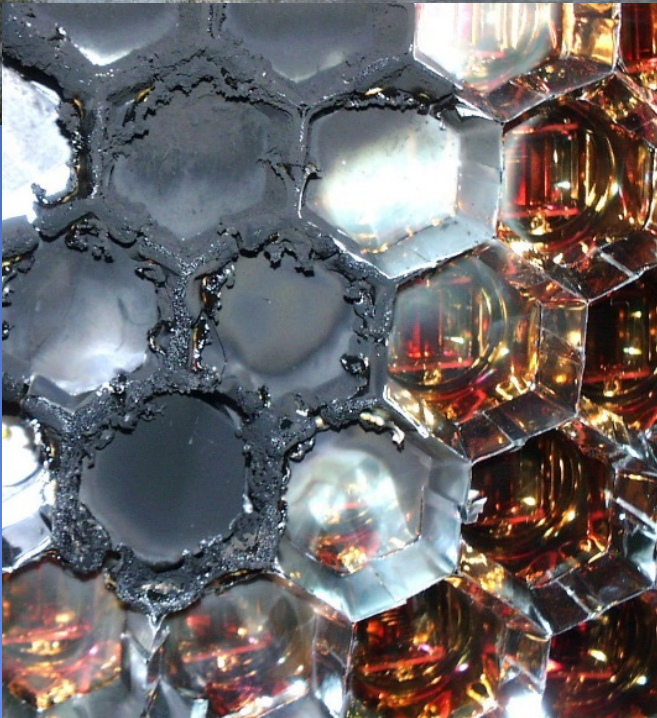
The Engineering Array



Deploying the Array



Not everything went smoothly



Inauguration - November 2008



The Observatory and the Community



Pierre Auger Observatory

A Success Story For International Science

There is more to come!

AugerPrime

