

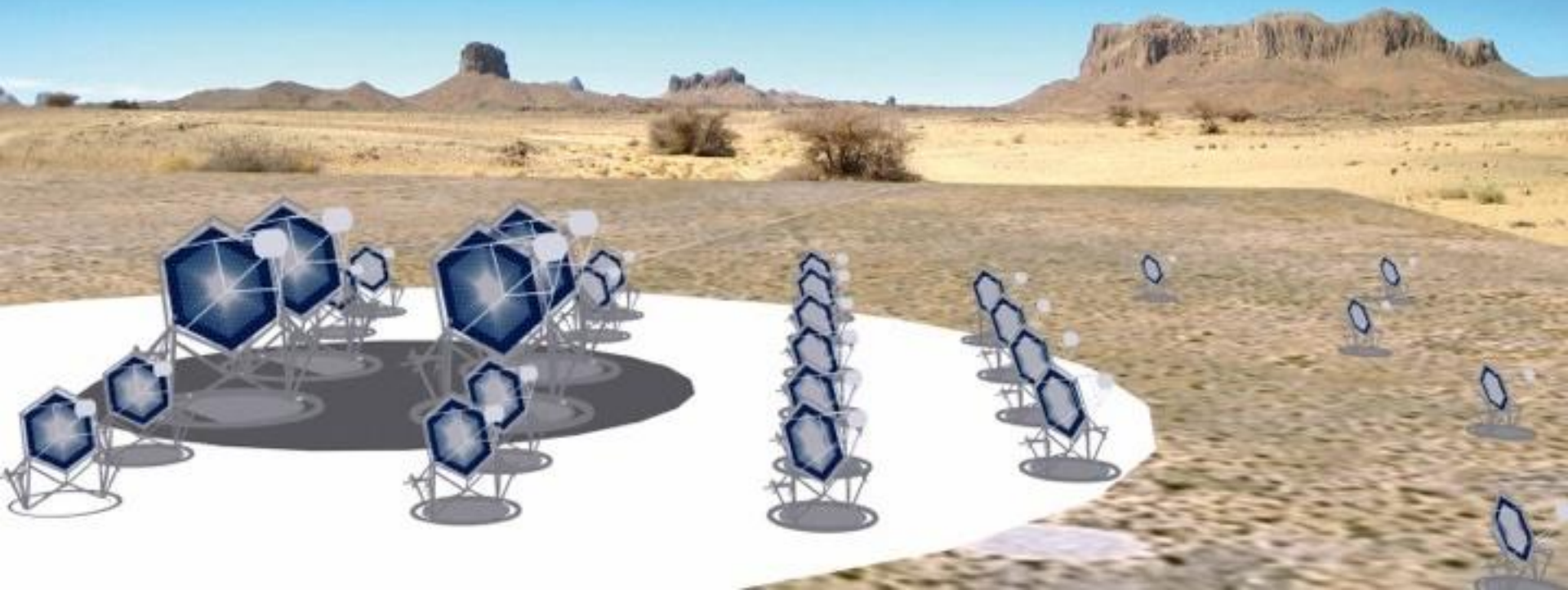
The Cherenkov Telescope Array (CTA)



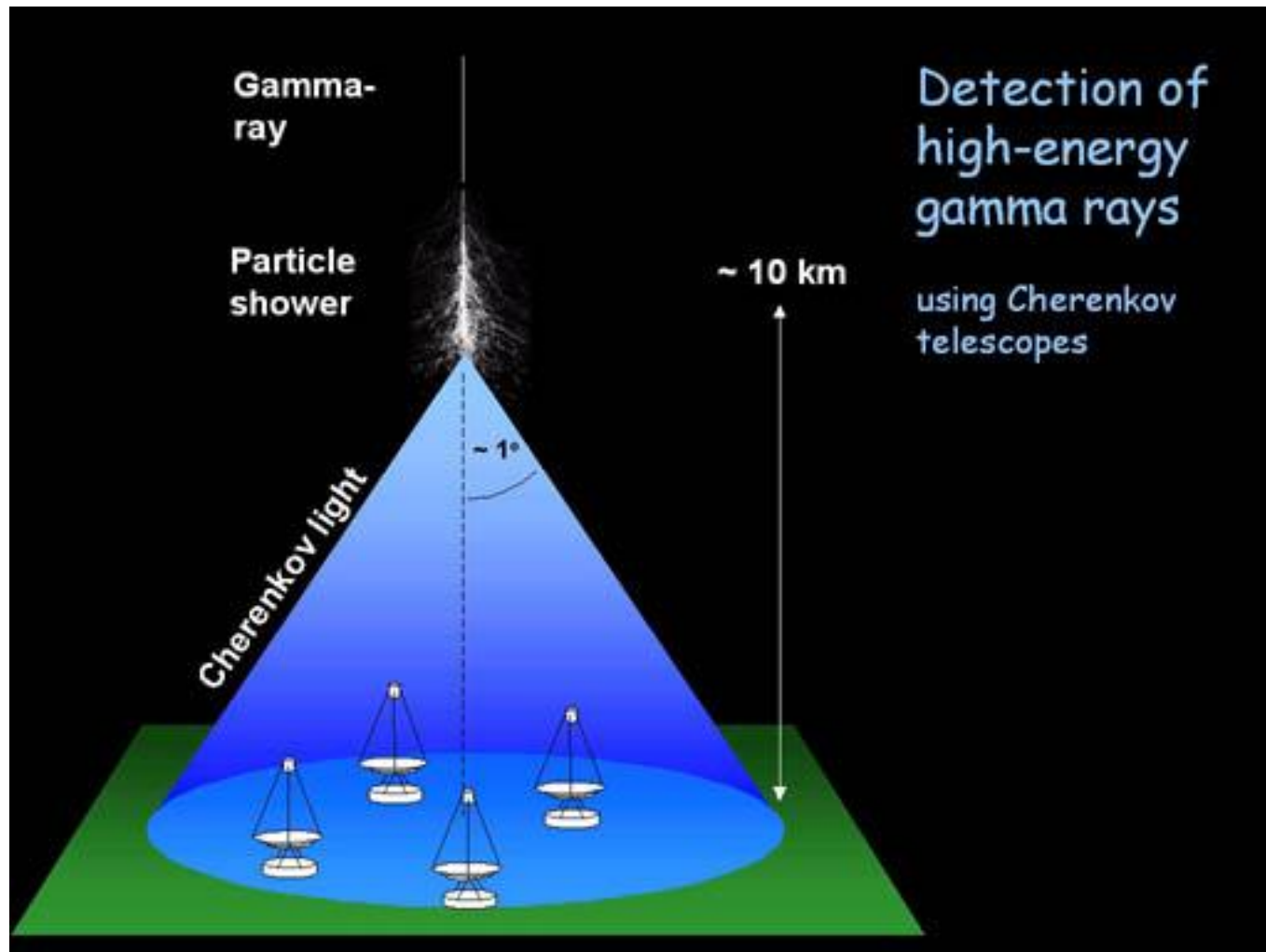
Peter Karn

IceCube Master Class

5/21/14



Imaging Air Cherenkov Telescopes

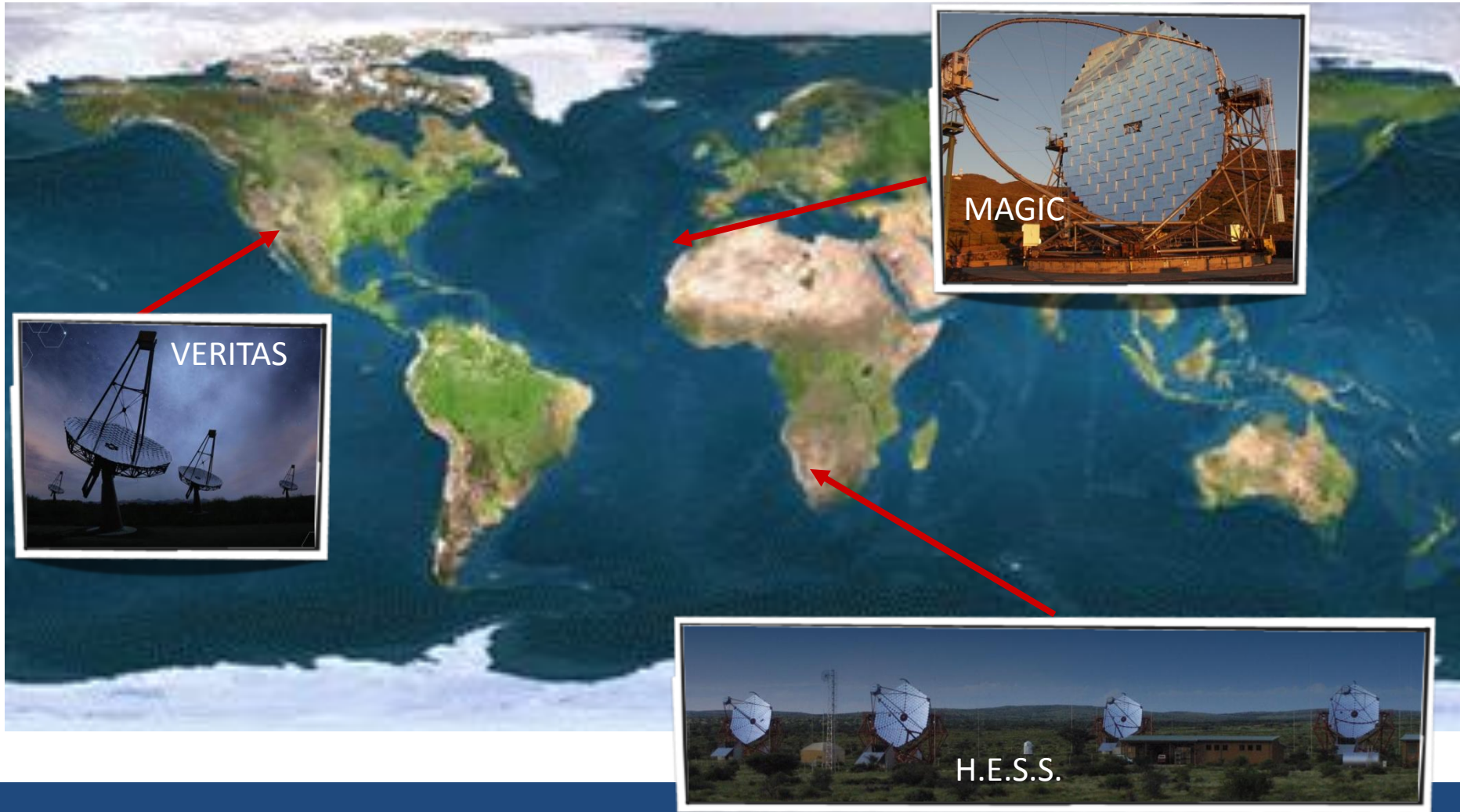


IACTs Complement HAWC

- HAWC scans the sky
- IACTs (like CTA) point at a source

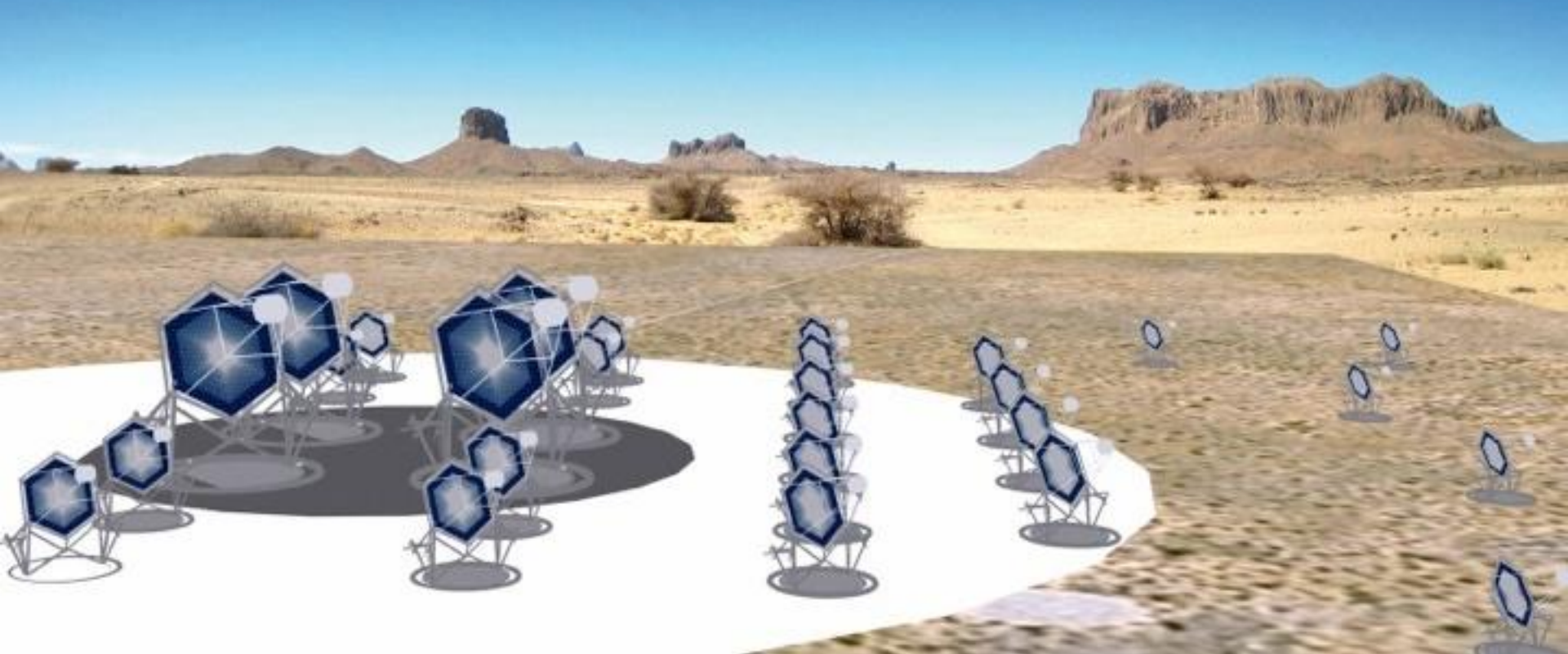


Current Generation of IACTs



The Cherenkov Telescope Array

- An array of dozens of telescopes
- Different sizes for different energies



A New Telescope Design

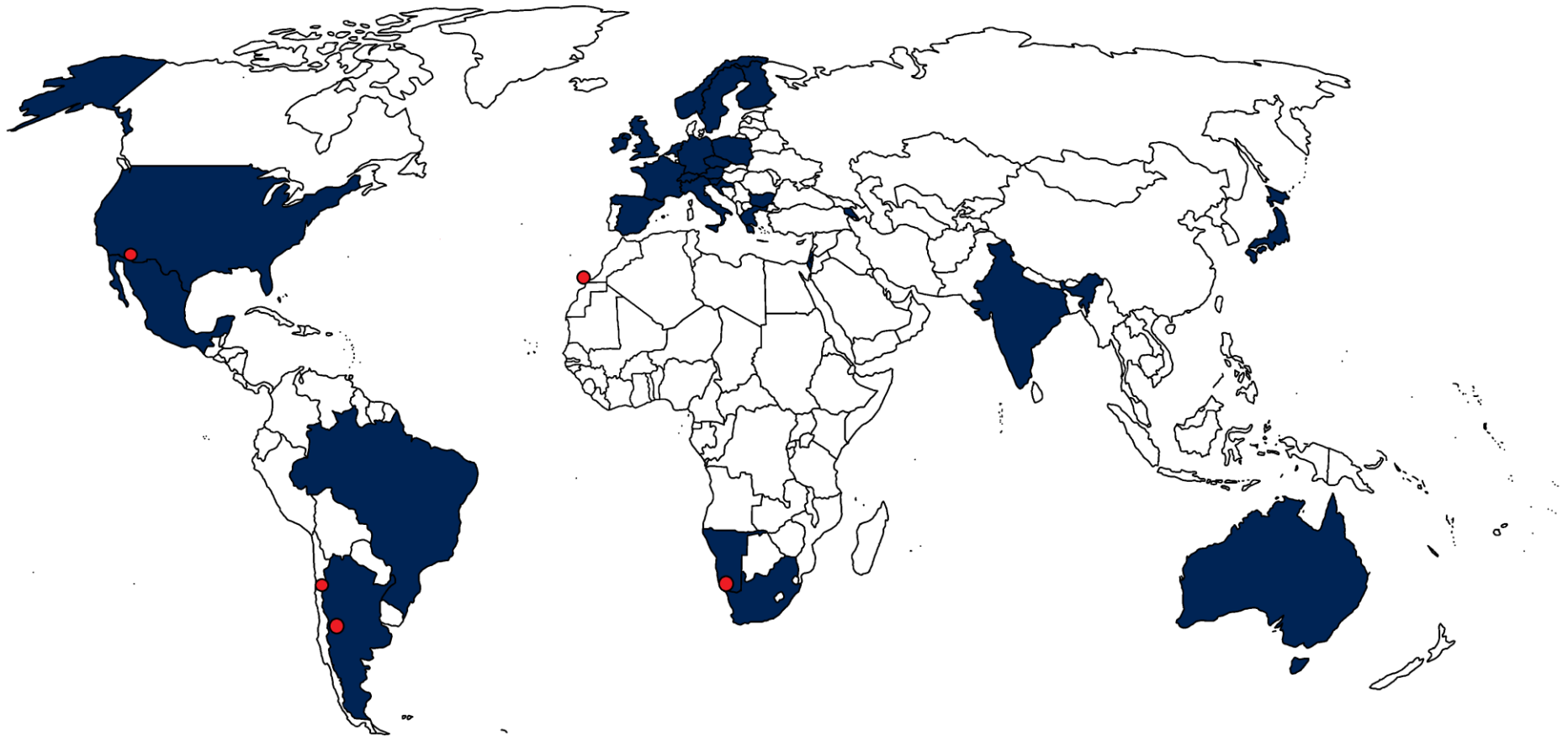
Davies-Cotton



Schwarzschild-Couder

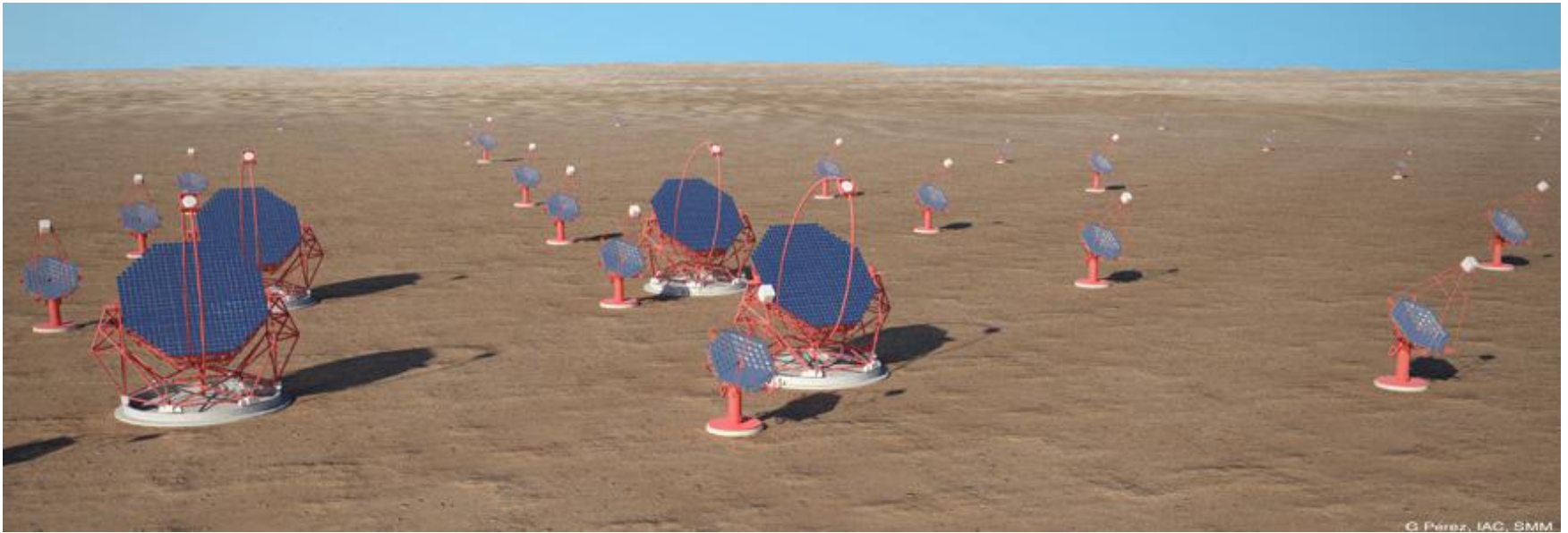


CTA is International



Summary

- The Cherenkov Telescope Array is the next generation Imaging Air Cherenkov Telescope



- Prototype coming soon to a desert near you!