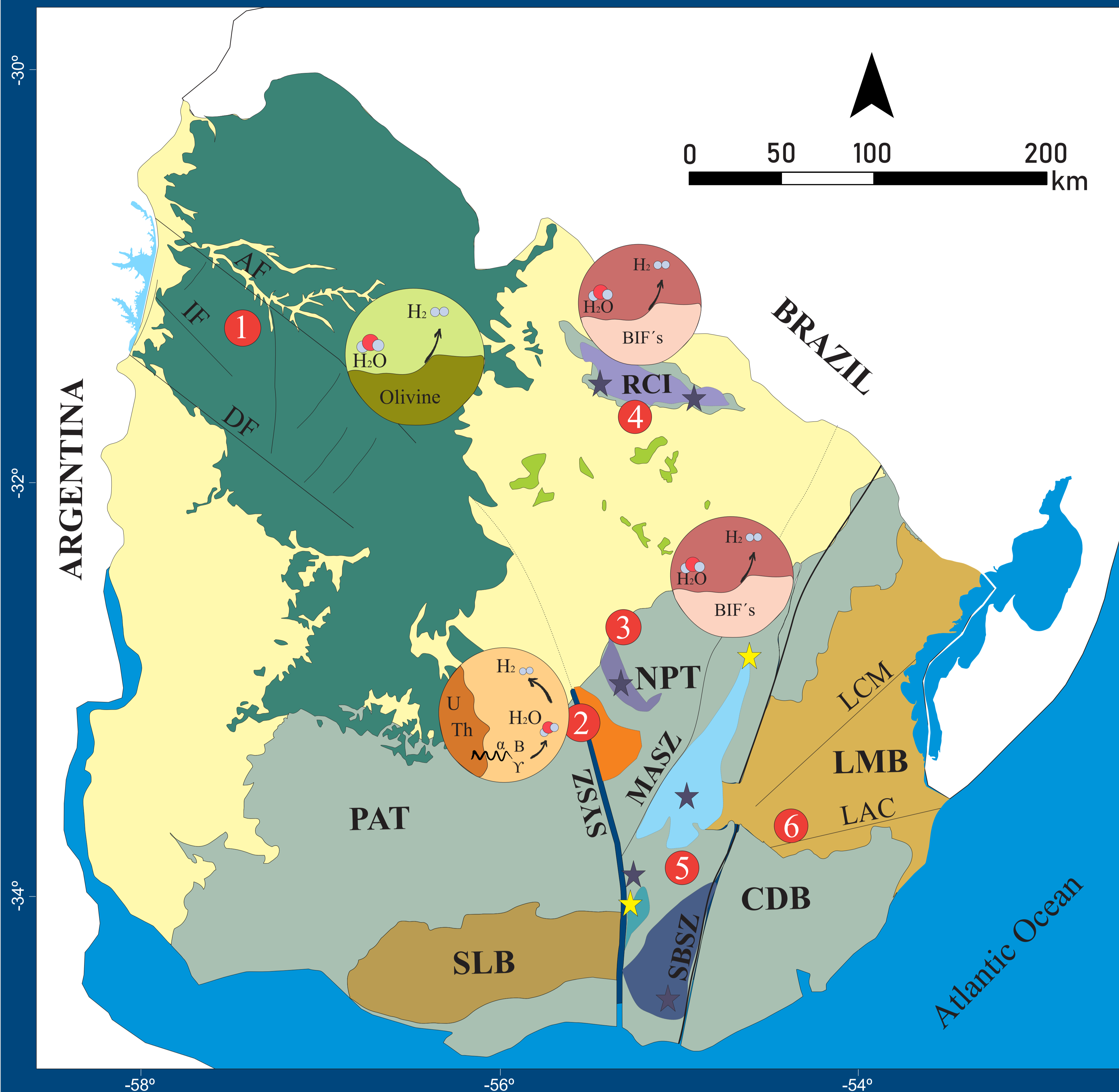


ONSHORE GEOLOGY AND PRIORITY SITES FOR NATURAL H₂ EXPLORATION

PROCESS ASSOCIATED WITH EACH SITE



- 1 Serpentinization: mafic body located in depth, in contact with the AF
- 2 Radiolysis: Illescas Rapakivi Granite (ca 1.7 GA) with U, Th, and K anomalies.
- 3 4 5 Redox: Neo and Paleoproterozoic BIFs
- 6 Redox associated with conductive body located in depth, in contact with LAC fault

REFERENCES

SEDIMENTARY BASINS

- NB - Norte Basin (Paleozoic)
- Arapey Fm (Cretaceous basalt)
- Cuaró Fm (Mesozoic Dykes)
- LMB - Laguna Merín Basin (Mesozoic)
- SLB - Santa Lucía Basin (Mesozoic)

OLDER TERRANES

Basement: PAT: Piedra Alta Terrane
NPT: Nico Pérez Terrane
CDB: Cuchilla Dionisio Belt
RCI: Isla Cristalina de Rivera

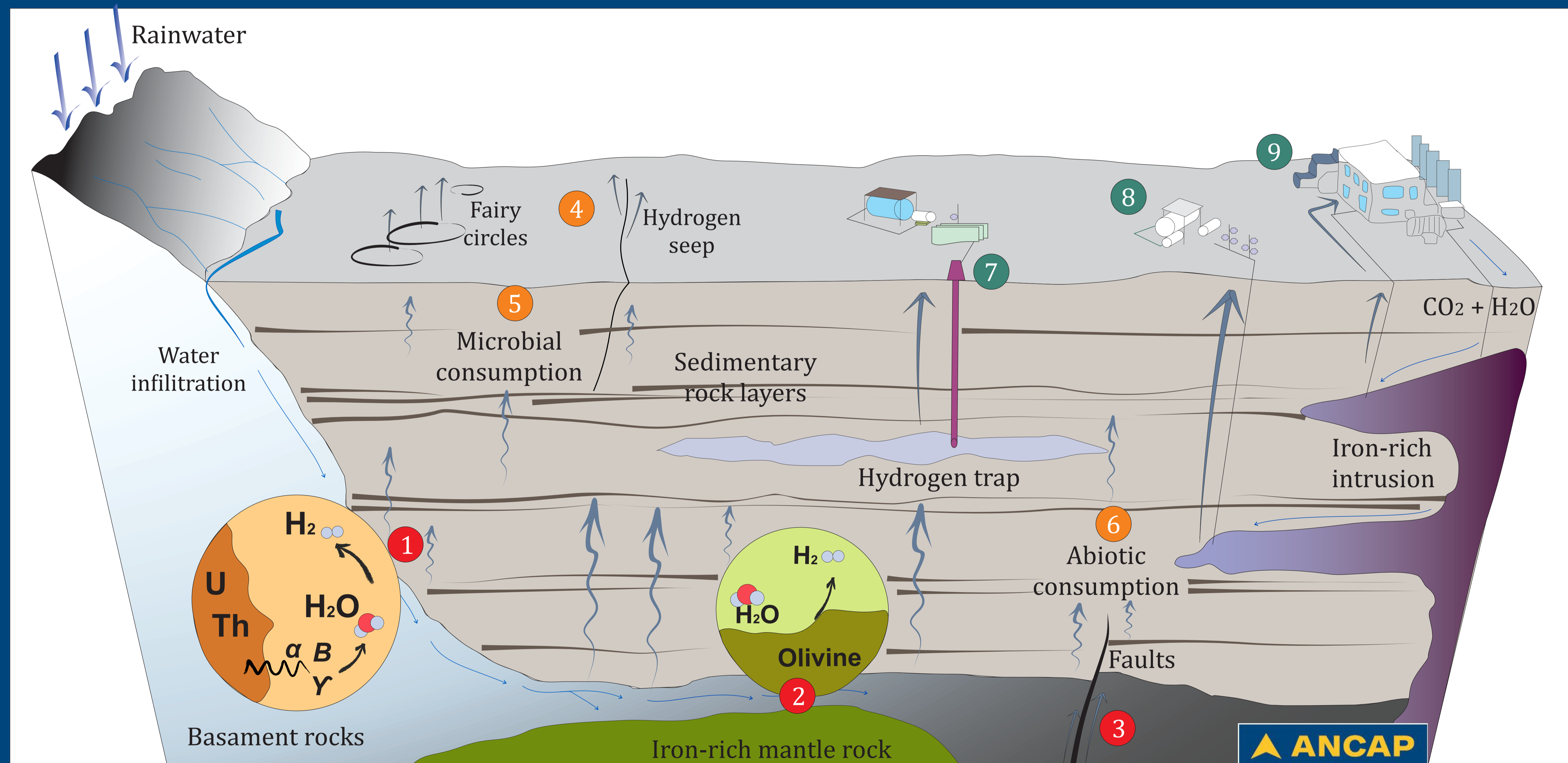
- Ediacaran cover (<635 Ma)
- Illescas Granite (ca. 1.7 Ga)
- Campero unit (ca. 1.7 Ga)
- Rivera Granulitic complex (Paleoproterozoic).
- Valentines Fm. (Paleoproterozoic).
- Archean to Paleoproterozoic Basement.
- ★ Paleoproterozoic BIFs
- ★ Neoproterozoic BIFs

STRUCTURES

SYSZ: Sarandí del Yí Shear Zone
SBYZ: Sierra Ballena Shear Zone
MASZ: María Albina Shear Zone

AF: Arapey Fault
IF: Itapebí Fault
DF: Daymán Fault
LCM: Lascano - Gebollati Merín
LAC: Lascano - Aiguá-Chuy

CONCEPT MODEL FOR NATURAL HYDROGEN GENERATION AND TRAPPING



Original source: <https://www.usgs.gov/programs/energy-resources-program/science>

ANCAP'S PATH TO DEVELOP THIS RESOURCE

Year 2024

- ◆ Understanding Natural Hydrogen Business.
- ◆ Training.
- ◆ Networking.
- ◆ Research Agreements.

Year 2025

- ◆ Bidding Round Terms and Contract Model - Send for approval of MIEM.
- ◆ Multiclient Agreements.
- ◆ Launching Natural Hydrogen Bidding Round (H2Nat).

Year 2026

- ◆ Submission of bids in the Natural Hydrogen Bidding Round (H2Nat).
- ◆ Signature of H2Nat E&P Contracts

