



International Partnership  
for Hydrogen and Fuel Cells  
in the Economy

***Costa Rica: Host Country  
Steering Committee Meeting, Quarter 4, 2021***

36<sup>th</sup> IPHE Steering Committee Meeting  
Week of November 15<sup>th</sup>, 2021  
San Jose / Liberia , Costa Rica

# Costa Rica's Energy Opportunity

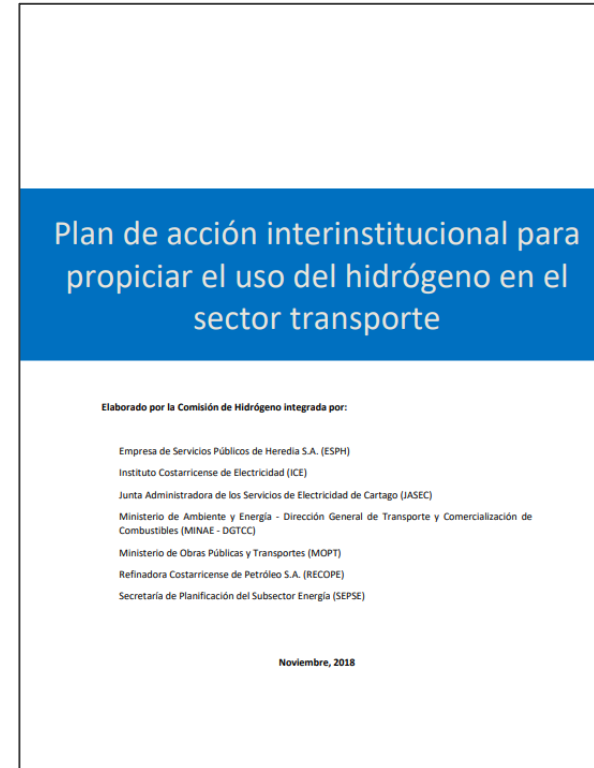
- Establish a carbon-free economy
- CR consumes ~130,000 TJ/y
  - ~ 30,000 TJ/y – electricity (carbon free)
  - ~ 100,000 TJ/y – imported hydrocarbons (mainly transport)
- **Challenge: Replace ~ 100,000 TJ/y of imported hydrocarbons with locally produced hydrogen**
- CR Renewable potential: 338,400 TJ/y
  - 10.8 GW avg =  $9.4 \times 10^{10}$  kW-hr/y
  - Wind: 850 MW
  - Solar: 1,200 MW
  - Geothermal: 865 MW
  - Hydroelectric: 7,870 MW



**Costa Rica by the numbers:**  
 50,000 sq km (land area)  
 5 m inhabitants  
 5% of world biodiversity  
 200 y of democracy, no military



# Decarbonization and H<sub>2</sub> are National Policy





# San José, Costa Rica



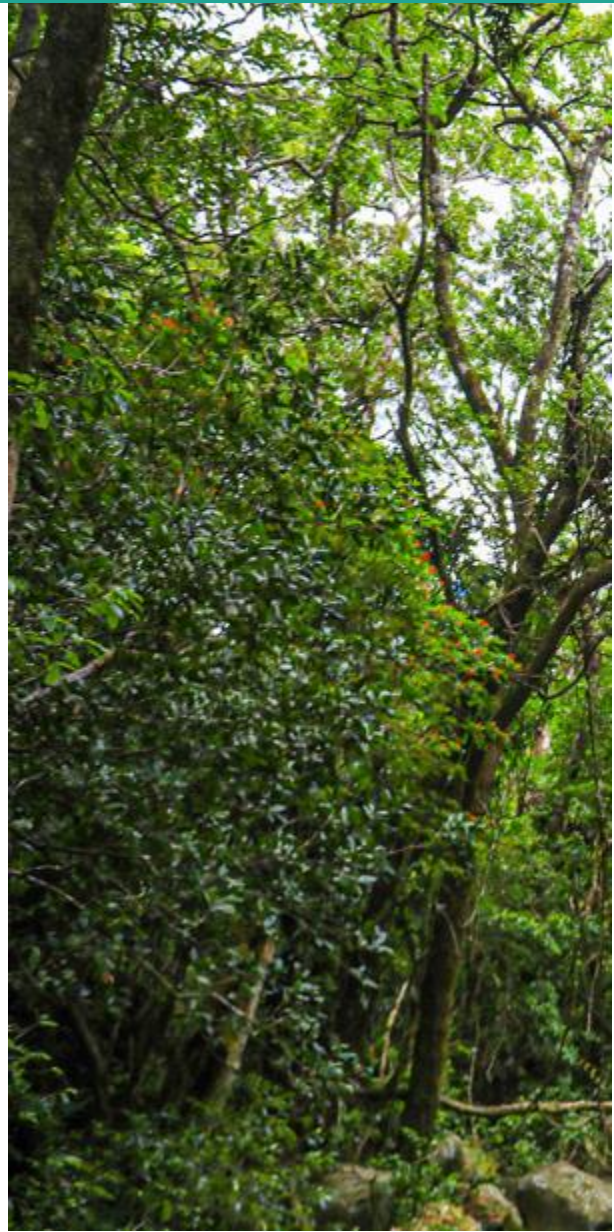








Guanacaste



Costa Rica



Liberia



# Ad Astra Rocket Company



# 36<sup>TH</sup> IPHE Steering Committee Events

## Host Country – Costa Rica



### Proposed Itinerary

**Day 0: Travel Day:** *International Logistics - Plan your travel to arrive at SJO and depart LIR*

- Arrival at San Jose International Airport Juan Santamaria (Recommended).
- Check-in at Intercontinental Hotel Escazú, San José

**Day 1: Outreach day:**

- Outreach activities at Costa Rica Center for High Technology (CENAT)
- Press conference
- Round table discussions/Industry Forum with Costa Rica Hydrogen Alliance

**Day 2: Steering Committee**

- IPHE Steering Committee Meeting
- Potential event with Government Officials
- Gala Dinner

**Day 3: Travel to Liberia, Guanacaste**

- Depart to Liberia in the AM
- Stop for lunch at half-way point
- Arrival/Tour of Ad Astra Rocket Company's Hydrogen Facilities
- Check into Hilton Garden Inn (Recommended)
- Cultural Activity

**Day 4: Departure or optional tours**

- Departure from Daniel Oduber International Airport/LIR. or welcome to stay and enjoy the warm weather, fresh food, and lovely people!

