

1 March 2024

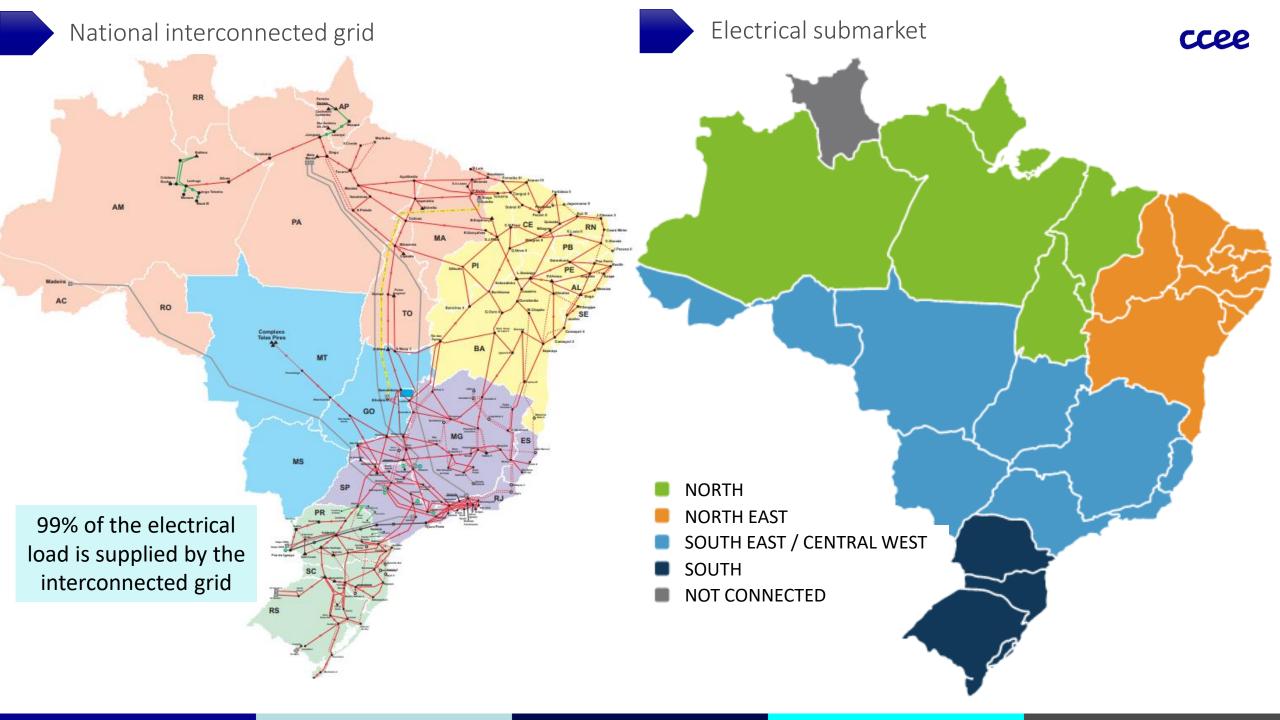


CCEE Hydrogen Certification







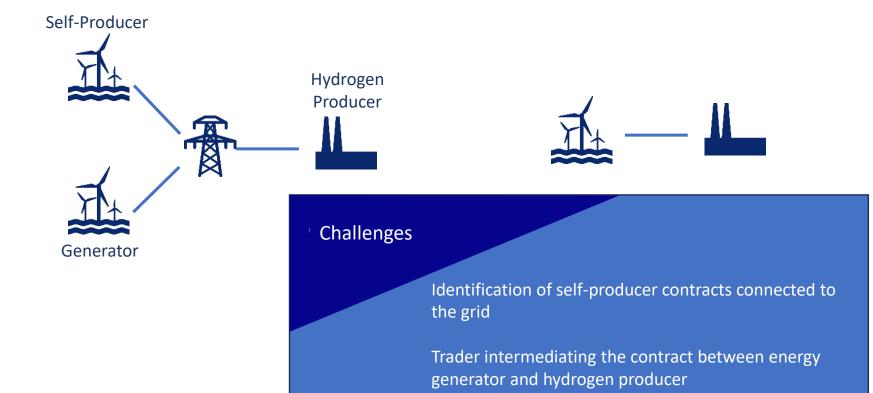








	Product	Production method	Electrical and contractual arrangement	Emissions	Temporal correlation	Certificate delivery
First Version	Hydrogen	Electrolysis	Generators and self- producers connected to the grid or direct connection (off-grid)	Indirect emissions related with electricity consumption	Monthly	PDF report



EDP - Energias do Brasil S.A



Hydrogen production plant in Ceara State from a R&D project supplied by a new and exclusive photovoltaic plant.

Technical Data:

PEM Hytron electrolyzer of 1.25 MW and capacity of 22.3kg H₂/hour 3MW photovoltaic solar plant with tracker

Furnas Centrais Elétricas S/A



Hydrogen production plant in Minas Gerais State from a R&D project supplied by a new and exclusive photovoltaic plant and also from an existing hydro power plant.

Technical Data:

- 1 Hydrogenics Alkaline Electrolyzer capacity 100kg H₂/day
- 1 WEG 600 kWh battery storage
- 1 Hydrogenics Fuel Cell
- 1MWp photovoltaic solar plant and 2,082 MW hydro

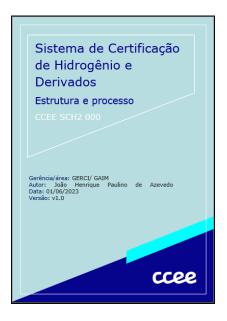
Update to REDIII

Specific governance structure and chain of custody to guarantee the independence and traceability

The new European guidelines of Delegated Regulation (EU) 2023/1184 and 1185 have been incorporated.

Methodology for quantifying the carbon intensity

Prepare documentation for recognition by the European Commission











First version, even simplified, was essential for learning

There are many rules to be interpreted according to the country's framework

Certification needs to consider market practices, such as the traders

Bidding zone is a key factor to apply the certification requirements. Q&A is key to apply RED III outside europe



Thank you!

CCEE Hydrogen Certification

Vanessa Grunwald

March 1st, 2024









https://www.linkedin.com/company/cc-ee



