

Low Carbon

SOUTH AMERICA ENERGY TRANSITION WEEK

Trends, Challenges and Best-Practices

Developing industrial-scale green hydrogen in South America

Is South America ready to deploy its clean energy potential?



The poster for South America Energy Transition Week features a collage of images: a wind turbine, a solar panel array, a person in a field, and a close-up of solar panels. Text on the poster includes 'South America Energy Transition Week', 'Trends, Challenges and Best Practices', 'November 9 - 11th 2021', 'RWE', and 'In cooperation with AHK'.

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- Chapter 2 Latin America H₂ status
- Chapter 3 Chilean National Green Hydrogen Strategy
- Chapter 4 Current H₂ projects in Chile and South America

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Is South America ready to deploy its clean energy potential?

Dr.-Ing. Erwin Plett
CEO Low Carbon Chile SpA
Director of H2 Chile,
the Chilean Hydrogen Association



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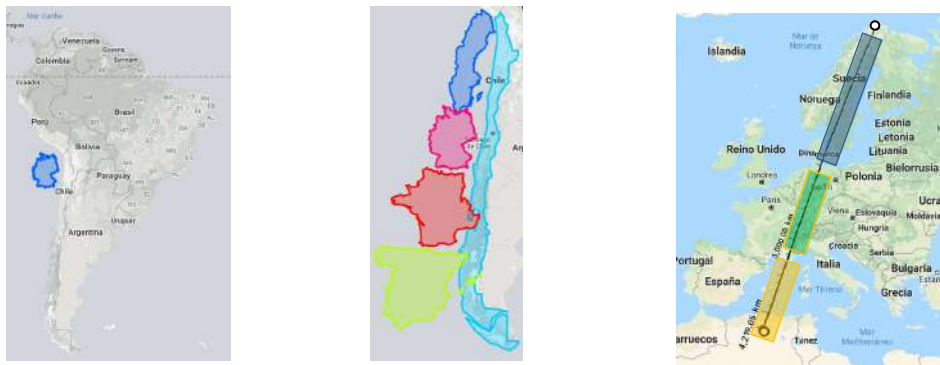
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Chile: the longest country



Chile's lenght: 4,200 km => great variety of landscapes, climates and renewable resources



Source: <https://thetruesize.com>

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Chile: the longests and varied country



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Chilean Hydrogen Association

“Water is the coal of the future”
(Julio Verne, 1874)



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H2 Chile members



Actualizado el 20 de octubre

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Board of Directors 2021-2022



Hans Kulenkampff
Presidente



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Vicepresidenta





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Secretaria





Juan Pablo Zúñiga
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Luis Sarrás
Socio Empresa





Rodrigo Pineda
Socio Empresa





Mario Gómez
Socio Empresa





Andrés Alonso
Socio Empresa





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H2 Chile internacional alliances:



AAH
ASOCIACIÓN ARGENTINA DEL HIDRÓGENO



AB H2
ASSOCIAÇÃO BRASILEIRA DO HIDROGÊNIO



H2 PERÚ
Asociación Peruana de Hidrógeno



SCOTTISH Hydrogen & Fuel Cell ASSOCIATION



FUNDACIÓN PARA EL DESARROLLO DE LAS NUEVAS TECNOLOGÍAS DEL HIDRÓGENO EN ARAGÓN



AeH2
ASOCIACIÓN ESPAÑOLA DEL HIDRÓGENO



H2 México
ASOCIACIÓN MEXICANA DE HIDRÓGENO



AUSTRALIAN HYDROGEN COUNCIL



CertifHy

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H2 Chile is member of the GHIAA

Global Hydrogen Industry Association Alliance (GHIAA) was signed on September 8th, 2021.



To support cooperation activities for the development of the global Green Hydrogen economy.

Signatory countries are:

- **Australia**
- **Canada**
- **Chile**
- **China**
- **European Union**
- **France**
- **Germany**
- **Hydrogen Europe**
- **Korea**
- **Netherlands**
- **Norway**
- **Singapore**
- **Spain**
- **USA**



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H2 Chile joined "LAC Acción Hidrógeno Verde"

November 5th, 2021, Euroclima+ during COP26 in Glasgow event:
"The Global Path to Green Hydrogen Competitiveness"



Signatory countries are:

- **Chile**
- **Colombia**
- **Costa Rica**
- **México**
- **Perú**
- **more to follow...**

Tasks:

Certification
Financing
Social acceptance
Green H2 momentum



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H2 Chile, the Chilean Hydrogen Association

Latin America H₂ status

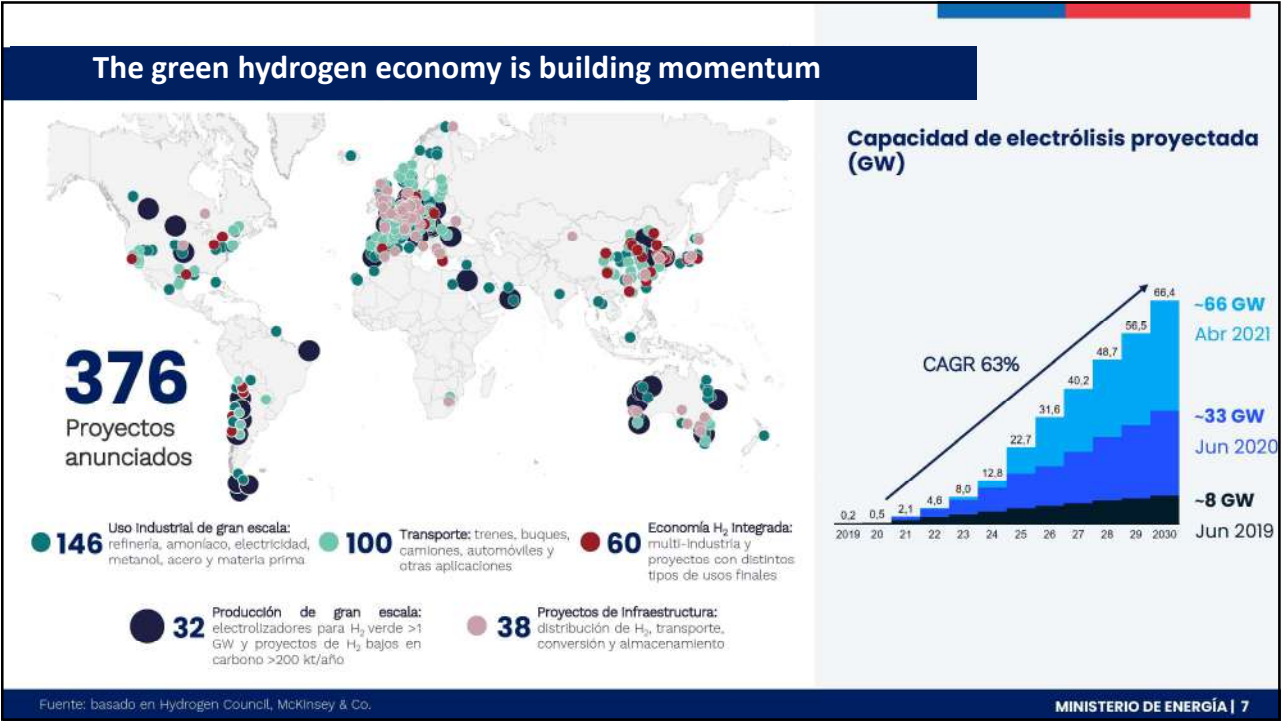
Chilean National Green Hydrogen Strategy

Current H₂ projects in Chile and South America

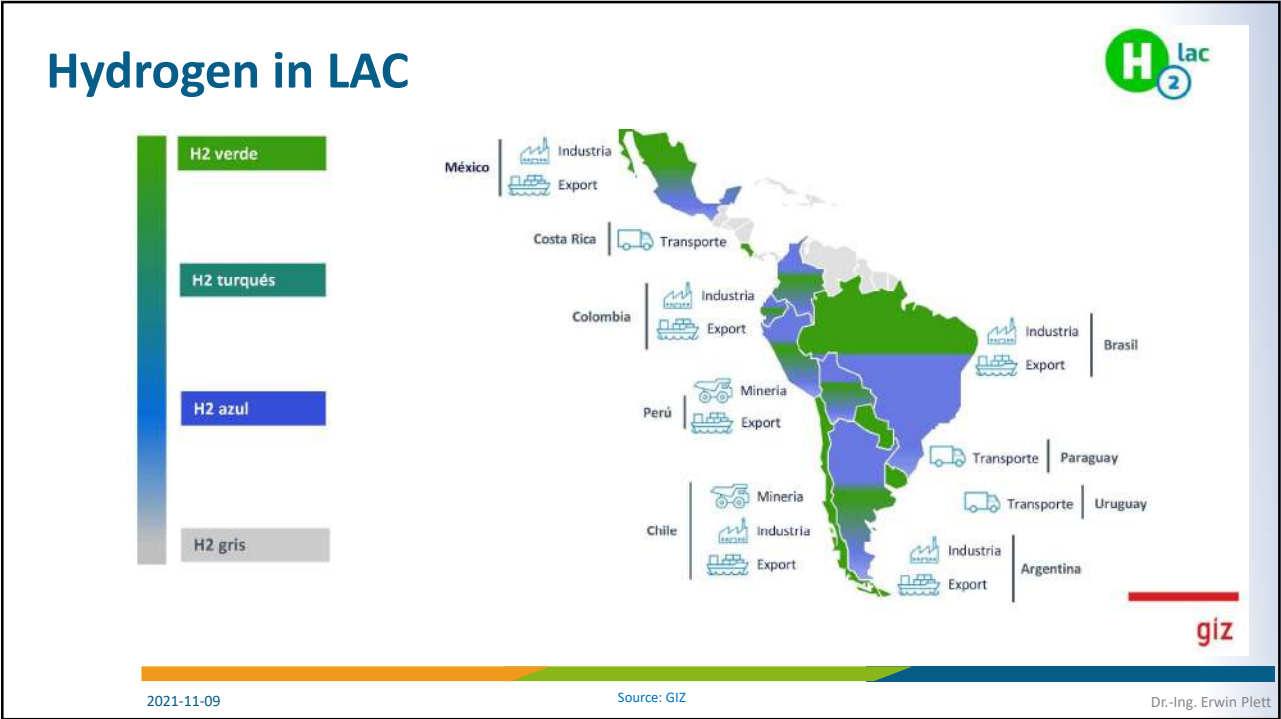
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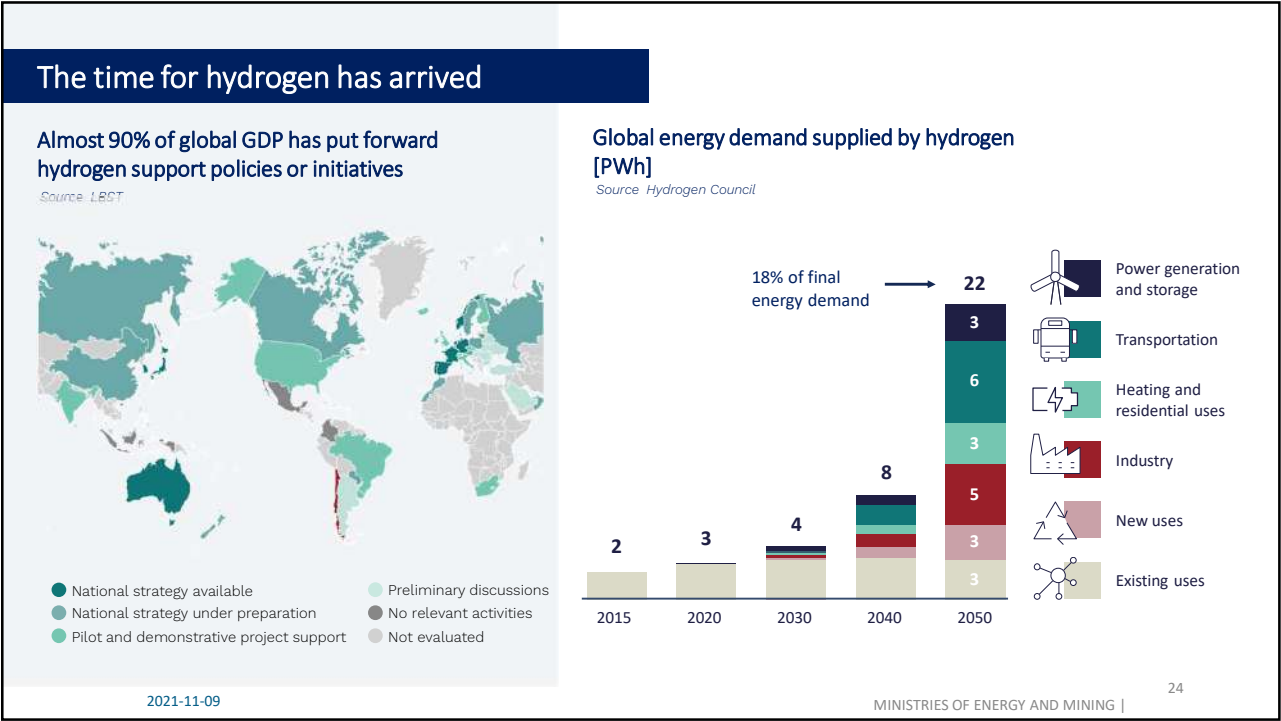
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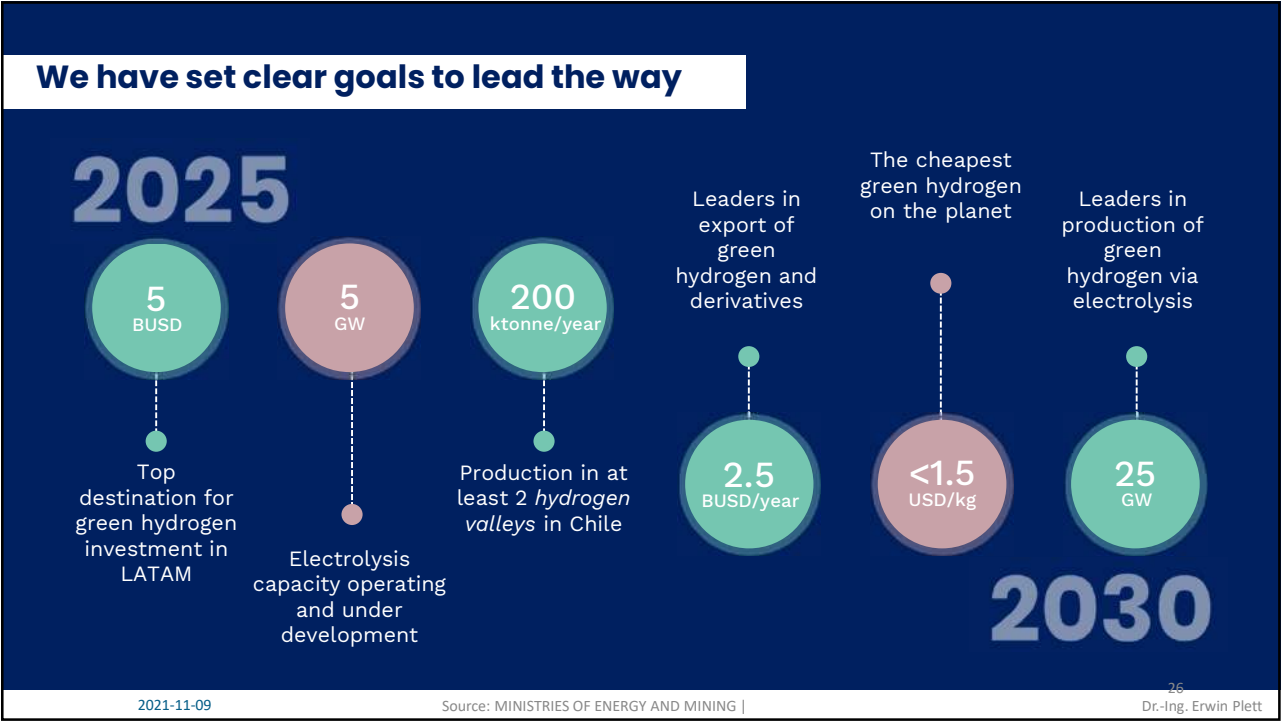
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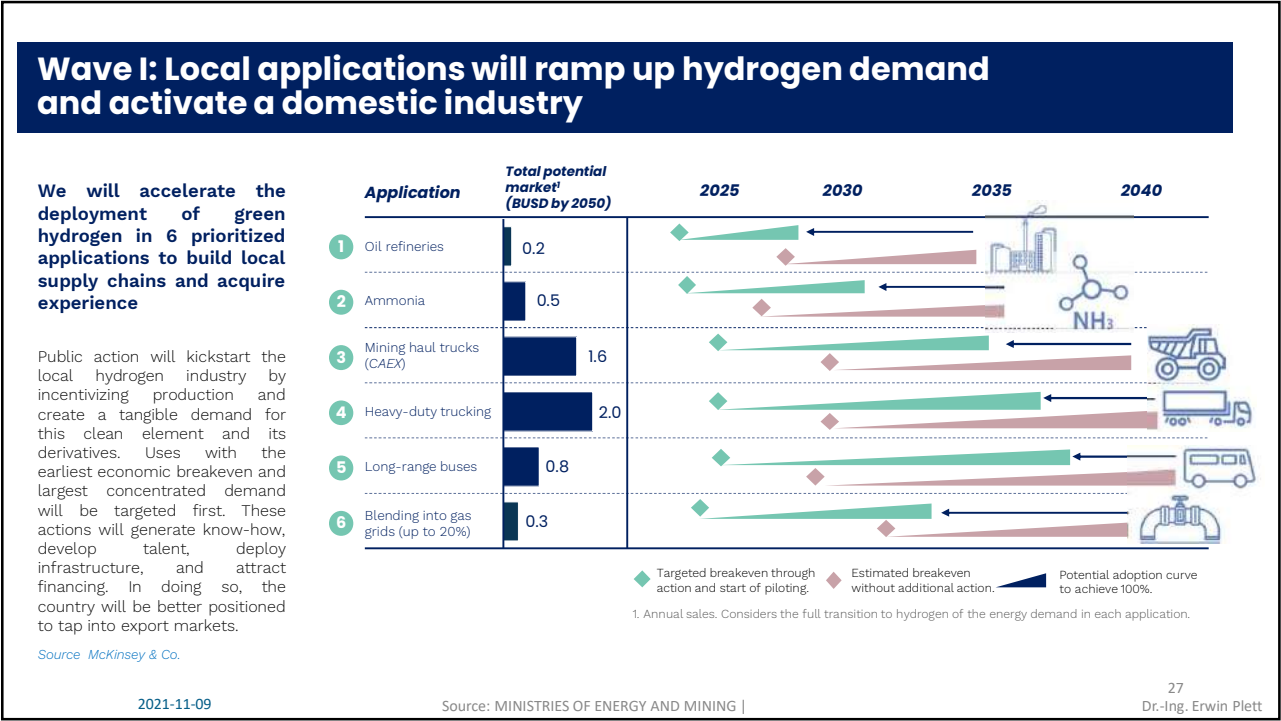




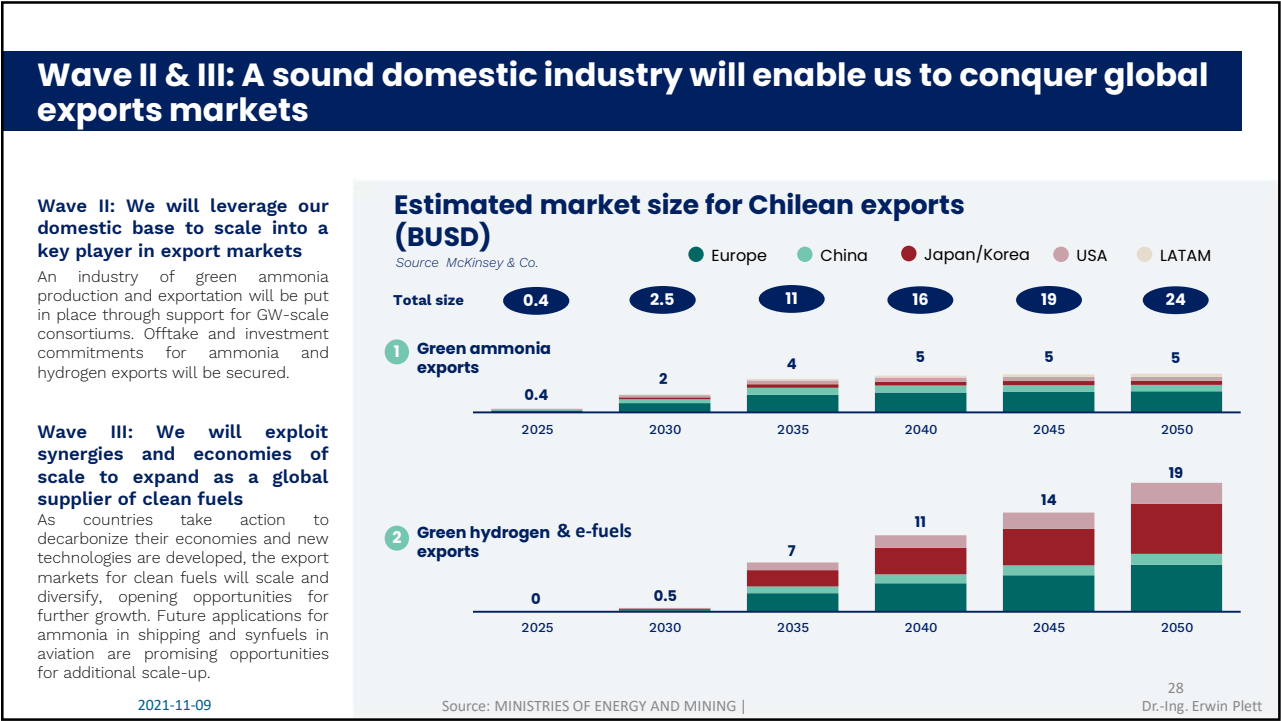
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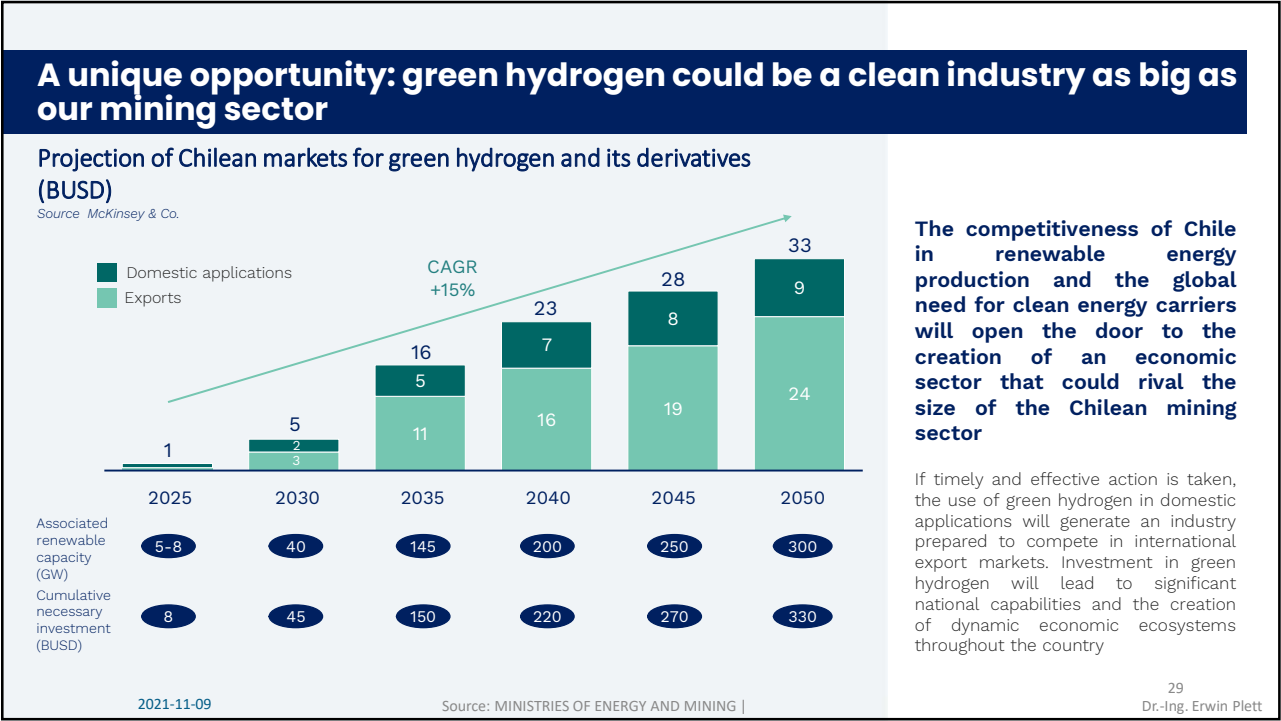
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4) South America (see www.h2lac.org)

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Conclusions: Is South America ready to deploy its clean energy potential?

- 1) Energy transition for needed climate action towards Net Zero emissions is like a marathon race, and it will take some decades
- 2) Everybody has something to learn since no country has reached the net zero goal yet
- 3) National & regional hydrogen strategies need to be published and implemented
- 4) Worldwide cooperation is needed:
e.g., certification, financing, social acceptance, human capital, R&D, scale up MW to GW, manufacturing automation, etc.

Clean energy is “work in progress”, we need patience & perseverance



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Is South America ready to deploy its clean energy potential?

RWE

AHK Deutsch-Chilenische Industri- und Handelskammer
Cámara Chileno-Alemana de Comercio e Industria-CAMCHAI

THANKS!
¡Muchas gracias!

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Questions?



Is South America ready to deploy its clean energy potential?

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