



11 DEC

13.45 – 15.15

## Chilean Pavilion – COP25 – Madrid

# “The role of electricity in the decarbonization of the energy sector. Cases from Chile, Europe and California”

### Organizers

Chilean Association of Power Generators and Corporate Leaders Group – Chile.

### Context

Energy demand accounts for two thirds of global GHG emissions due to the combustion of fossil fuels such as coal, natural gas and oil. This comprises not only the emissions of power generators but also the emissions from transport, industries and buildings. To tackle the challenge of decarbonizing the energy sector four pillars have been proposed: decarbonization of power generation; electrification; energy efficiency; and the deployment of low emission fuels.

In this context, electricity stands as a key driver due to its cross-cutting contribution to all pillars. First, the share of renewable sources in the power sector has increased notably and is expected to grow in the next years. Second, electrification has been identified as a cost effective action to replace fossil fuels consumption in transport, industries and buildings. Moreover, electrification of implies relevant gains in energy efficiency. Finally, renewable electricity is needed in order to produce the green hydrogen that could replace an important share of energy consumption that cannot be cost effectively electrified.

### Objective

The aim of the side event is to identify the contribution of electricity to the decarbonisation of the energy sector, in the context of the carbon neutrality commitments for mid-century established by countries and jurisdictions. Among other topics the panelists will discuss about the decarbonisation of the power sector, the electrification of energy consumption, and about the enabling conditions that are needed in order to materialize these actions. Specifically, the cases of Chile, California and Europe will be addressed.

### Speakers

- Ricardo Lagos, Former President of Chile
- Anne Bolle, Head of Climate Policies, Statkraft
- Bart Doyle, Chief Operating Officer, Mainstream
- Claudio Seebach, Executive Chairman, Generadoras de Chile
- Andrew McAllister, Commissioner of the California Energy Commission
- Philipp Hauser, Senior Associate International/Latin America, AGORA
- Marina Hermosilla, Executive Director, CLG Chile (moderator)

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