



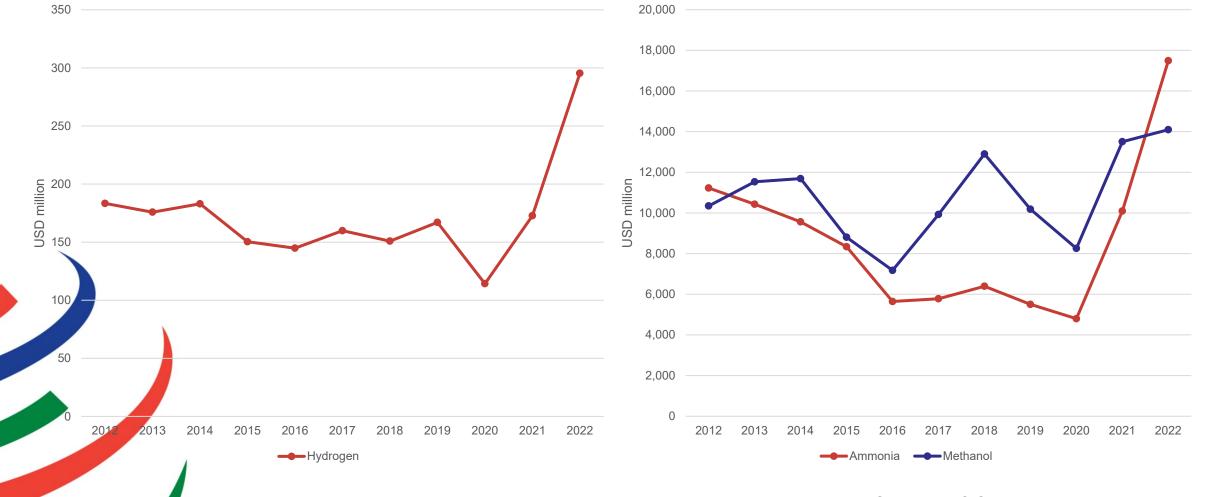
Trade Policies and Green Hydrogen

Presentation by the WTO Secretariat

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Global imports in hydrogen and derivatives (ammonia and methanol)





Source: WTO Secretariat Analytical Database

Tradable goods and services over the green hydrogen and derivates supply chain



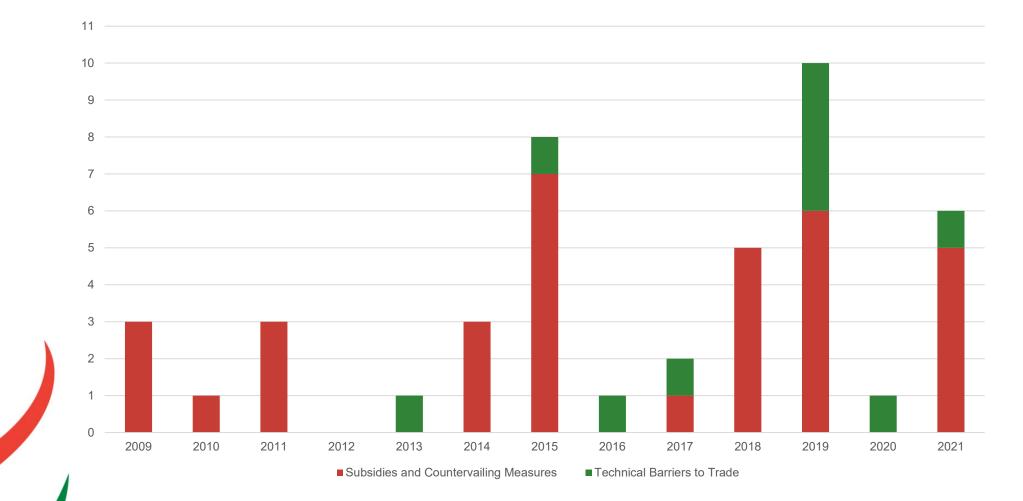
Renewable energy production	Hydrogen & hydrogen derivatives productior			Use
Renewable energy generation equipment, e.g., solar panels, wind turbines, etc. Electric equipment.	 Electrolysers Compressors, valves, flow control, metering and related equipment Ammonia, methanol, direct reduced iron production plants. 	 Piping and storage systems. Compressors, valves, flow control, metering and related equipment. Hydrogen, ammonia, methanol, hot briquetted iron transport vessels. 	• • • •	Ammonia, methanol, production plants. Direct reduction furnaces for iron production. Fuel cell systems. Hydrogen-ready (industrial) boilers Hydrogen-ready gas turbines for power generation. Fuel cell electric vehicles. Ammonia, methanol and hydrogen storage equipment.
DesignEngineering	 Related construction Operation and management 	 Transportation and storage services Related construction (e.g., port terminals) 	•	Wholesale and retail (e.g., hydrogen stations) Marketing

R&D, technical testing and analysis, consulting and training, various professional and business services

Source: WTO and IRENA

Hydrogen-related measures in members' notifications by WTO agreement





Source: WTO Environmental Database

Trade policies along the hydrogen supply chain



