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**
- Renewable energy generation equipment, e.g., solar panels, wind turbines, etc.
- Electric equipment.

**Hydrogen & hydrogen derivatives production**
- Electrolysers
- Compressors, valves, flow control, metering and related equipment
- Ammonia, methanol, direct reduced iron production plants.

**Transport, storage and reconversion**
- Piping and storage systems.
- Compressors, valves, flow control, metering and related equipment.
- Hydrogen, ammonia, methanol, hot briquetted iron transport vessels.

**Use**
- 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.

**SERVICES**
- Design
- Engineering

**EQUIPMENT**
- Related construction
- Operation and management

**R&D, technical testing and analysis, consulting and training, various professional and business services**
- Transportation and storage services
- Related construction (e.g., port terminals)

**Wholesale and retail** (e.g., hydrogen stations)
- Marketing

Source: WTO and IRENA
Hydrogen-related measures in members’ notifications by WTO agreement

Source: WTO Environmental Database
Trade policies along the hydrogen supply chain

- Tariffs and other taxes
- International cooperation
- Quality infrastructure
- Government procurement
- Domestic support