









Regulatory aspects for hydrogen supply chain from the MENA region to the EU

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Green or blue hydrogen in the EU

Key points	RENEWABLE (green H ₂) 	LOW-CARBON (blue or purple H ₂) 
Production	 Renewable energy	 Natural gas and nuclear energy
EU Hydrogen Strategy		 For transition period
REPowerEU Plan		 Except H ₂ from nuclear energy
Main regulation	Renewable Energy Directive	Hydrogen and decarbonised gas market package

Hydrogen supply from MENA region (Israel and other countries) to the EU:

- Hydrogen from the MENA region (Israel, UAE, Saudi Arabia and others) can be low-carbon and renewable.
- the EU strategic documents support mostly renewable hydrogen.
- However, low-carbon hydrogen is a possible option for transition period in the EU.

Hydrogen import in the EU

Hydrogen import:



- Targets determined in the REPowerEU;
- The Mediterranean corridor is among major corridors;
- The Global Hydrogen Import Strategy was proposed in the amendments to revision of the Renewable Energy Directive.

REPowerEU Plan

Main targets for renewable H2



10 million tonnes of imports by 2030.

Renewable Energy Directive

Global Hydrogen Import Strategy



- Shall promote equivalent rules or standards in third countries **in terms of environmental protection, sustainability and mitigating climate change.**
- Shall include indicative milestones and measures for hydrogen imports.

Amendments to the Renewable Energy Directive

Hydrogen certification

EU countries

Non-EU countries

RENEWABLE HYDROGEN



Recognition of guarantees of origin from third countries (Art.19 RED):

- agreement with EU;
- compatible guarantee of origin scheme;
- direct import of energy.

Hydrogen certification scheme on the national level of the non-EU countries should be recognized in the EU.

MARKET

Voluntary

Regulatory

REGULATION

Renewable Energy Directive

FOR WHOM

Hydrogen producers

Industrial players and fuel suppliers

PURPOSE

Environmental information for customers

Compliance with the EU targets and criteria

MAIN QUESTION: RECOGNITION OF H2 CERTIFICATES FROM NON-EU COUNTRIES

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new energy world
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