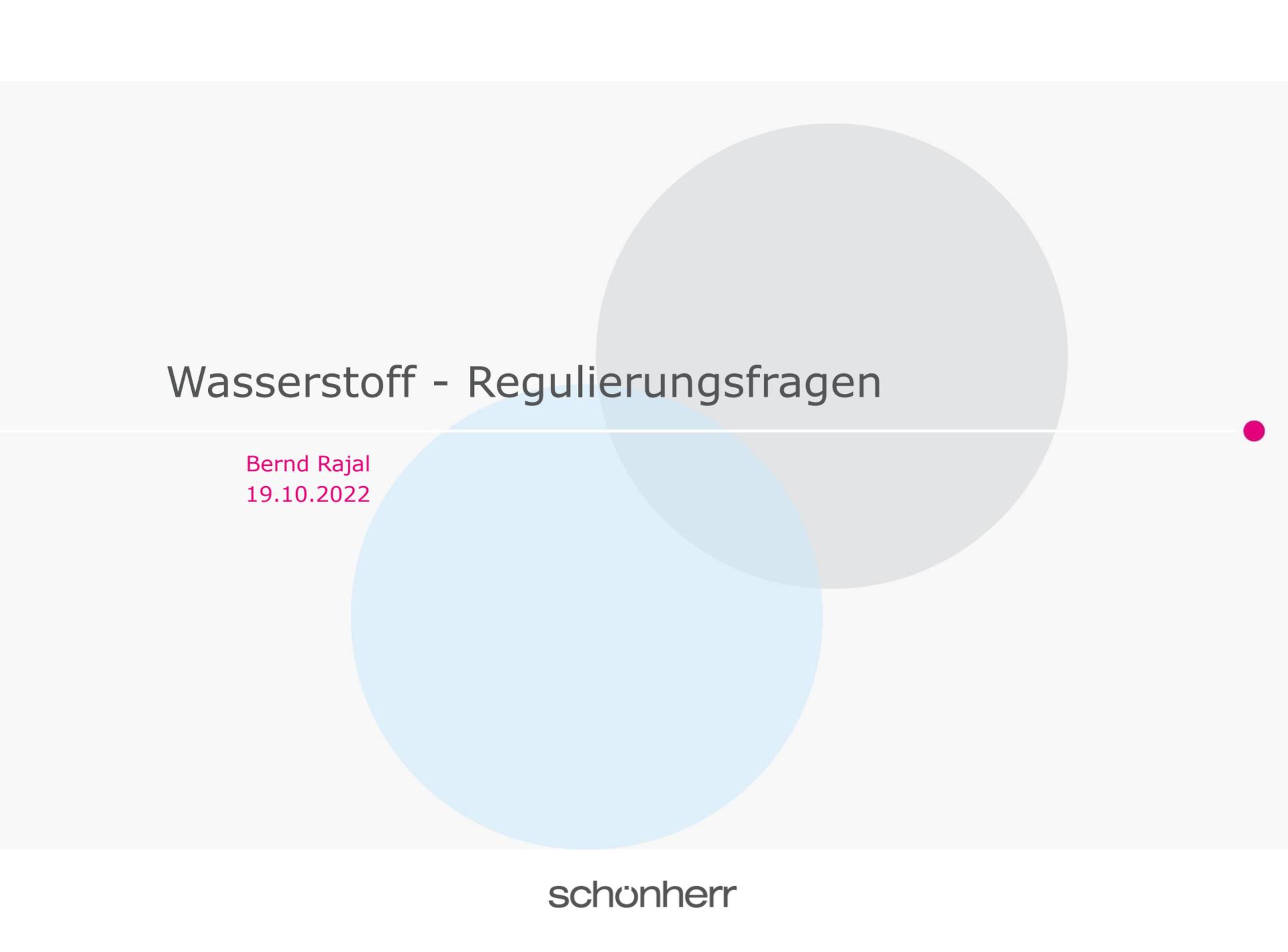


Wasserstoff - Regulierungsfragen



Bernd Rajal
19.10.2022

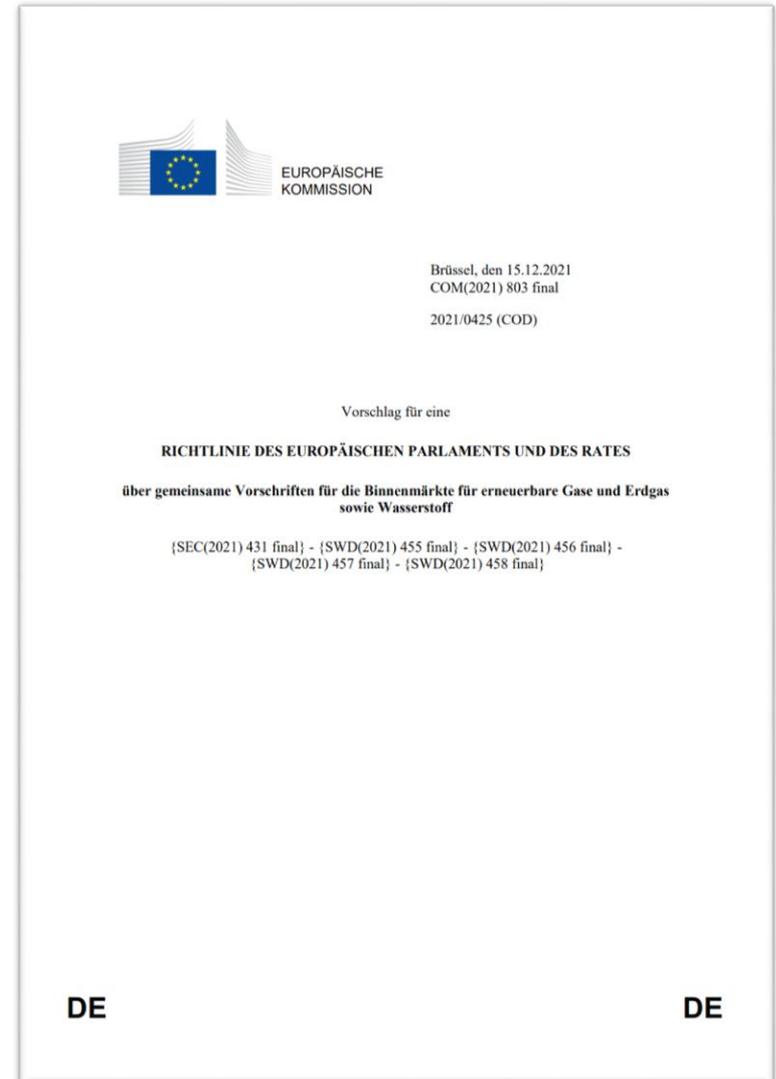
Regulierung Wasserstoff – Status quo

- Keine Regulierung in bestehender ErdgasbinnenmarktRL 2009/73/EG
- Ausnahme: Beimischung von H₂ (*Blending*)
- Konsequenz: keine einheitlichen Regeln für Erzeugung, Netzzugang, Transport, (grenzüberschreitenden) Handel und Endkunden-Versorgung
- Kritisch: keine tarifgestützten Investitionen in Netze
- Erneuerbare-RL – RED II (2018/2001): Grüner Wasserstoff = RES
- H₂ – Strategie + FIT for 55 Package der Kommission
 - H₂ – Zielsetzungen
 - Regulierungsrahmen erforderlich
 - Überarbeitung Erdgasbinnenmarkt-RL
 - Überarbeitung Gas-Verordnung



Neue GasbinnenmarktRL / GasV – Entwurf

- Errichtung eines EU-weiten H2-Marktes
- Blending (5%-Kriterium)
- Ausbau Wasserstoffinfrastruktur
- Regulierung von Wasserstoffnetzen
- Diskriminierungsfreier Netzzugang
- (Strenge!) Entflechtung (Unbundling)
- Tarifregulierung
- Tarifvergünstigungen (75%)
- Tariffreistellungen
- Herkunftsnachweissystem
- Ausnahmeregelungen bis 2030



Offene Fragen



- Welche Farbe wird der Wasserstoff haben?
- Produktionsstandorte?
- Spezifische Verbrauchssektoren? Industrie? Verkehr und Mobilität?
- Internationale Partner und Importwege (in Richtung EU)?
- Netzinvestitionen vs Kapazitätsbedarf (Market Test)?
- Wer trägt die (hohen) Infrastrukturkosten? Quersubventionierung?

Förderungen



Deutsch

Startseite > Presseraum > Staatliche Beihilfe: Kommission genehmigt mit 900 Mio. EUR

Verfügbare Sprachen: Deutsch

Pressemittteilung | 20. Dezember 2021 | Brüssel

Staatliche Beihilfe: Kommission genehmigt mit 900 Mio. EUR ausgestattete deutsche Beihilferegulierung zur Förderung von Investitionen in die Erzeugung von erneuerbarem Wasserstoff

EU funding programmes and funds 2021-2027 (10)

Showing results 1 to 10

Connecting Europe Facility - Energy

The Connecting Europe Facility for Energy (CEF-E) is a funding instrument for targeted infrastructure investment at European level. It supports the implementation of the Regulation on Trans-European Networks for Energy (TEN-E), which is focused on linking the energy infrastructure of EU countries.

Connecting Europe Facility – Transport

The Connecting Europe Facility for Transport (CEF-T) finances projects that upgrade infrastructure and remove bottlenecks while promoting sustainable and innovative mobility solutions. It supports hydrogen refuelling infrastructure for all modes of transport (road, rail, maritime, inland waterways).

European Regional Development, Cohesion Fund, REACT-EU

The European Regional Development Fund (ERDF) and the Cohesion Fund (CF) are part of the EU's Cohesion Policy (it is almost one third of MFF 2021-2027). ERDF and CF support innovation and entrepreneurship in the transition to a climate-neutral economy. REACT-EU is providing additional funds to ERDF.

Horizon Europe

Horizon Europe 2021-2027 is the EU's key funding programme for research and innovation. Pillar II and III of Horizon Europe are focused on the deployment of low-carbon industry applications and breakthrough technologies, including hydrogen. It must involve the research and innovation element.

Innovation Fund

One of the world's largest funding programmes for the demonstration of innovative low-carbon technologies. The fund finances demonstration projects on innovative production and use of low-carbon and renewable hydrogen at pre and commercial scale, with the aim of bringing it to market.

InvestEU

InvestEU provides a budgetary guarantee to the EIB Group and selected implementing partners with the aim to facilitate access to finance for riskier projects. It finances sustainable infrastructure, research, innovation and digitalisation, SMEs, and social investment skills.

Just Transition Fund

The Just Transition Fund (JTF) is one of the EU's Cohesion Policy funds. Its aims to reduce the social and economic impact resulting from the transition to climate neutrality in the most affected regions, given their dependence on fossil fuels or on carbon-intensive industries.

Hydrogen Public Funding Compass



What is it?

The Hydrogen Public Funding Compass is an online guide for stakeholders to identify public funding sources for hydrogen projects. It is designed as a single entry point for stakeholders to access information on the most important public funding programmes and funds for renewable and low carbon hydrogen.

The funding compass is structured in two parts

1. EU funding programmes and funds financed by the 2021 -2027 long-term EU budget and NextGenerationEU
2. National funding programmes and funds available at EU country level

Who can use it?

The funding compass is for any interested stakeholder: from large companies to small and medium-sized enterprises (SMEs), public authorities at national and regional level, research institutes, civil society organisations and interested citizens.

The funding compass provides orientation to members of the [European Clean Hydrogen Alliance](#) in terms of funding opportunities for projects featuring in the pipeline of viable investment projects for the large-scale deployment of renewable and low-carbon hydrogen, that the alliance is building up along the emerging European hydrogen value chain in line with the EU hydrogen strategy and the industrial policy strategies.

Access the Hydrogen Public Funding Compass

- [EU funding programmes and funds 2021-2027](#) (EN ***)
- [EU country funds](#) (EN ****) (This page will be updated with more information in Q3 2022. The information in this funding compass will be updated as new information is received from EU countries.)

Ö Wasserstoffstrategie

- Ausschließlich klimaneutraler Wasserstoff (grün/blau/türkis)
- Bis 2030: 1 GW Elektrolysekapazitäten
- Bis 2030: Umstellung von 80 % des aktuellen fossilen Wasserstoffbedarfs auf grünen Wasserstoff
- Wasserstoff ausschließlich dort, wo fossiles Gas nicht anders substituierbar (chemische Industrie, Stahlindustrie, Flugverkehr, Schiffsverkehr, Energiewirtschaft für flexible SystemDL)
- Nachrangig: Hochtemperaturprozessen und Fernverkehr
- H₂ nicht für PKWs und Zuliefer-LKWs sowie Raumwärme(!!)
- Blending nein, reiner Wasserstoff ja – Umwidmung bestehender Leitungen
- Internationale Partnerschaften

Projekte: Benötigte Anlageninfrastruktur

- Neue Anlageninfrastruktur, insb
 - Wasserentnahmen
 - Elektrolyseure, Kohlenstoffabscheider, Methanisierungsanlagen, usw
 - Wärmetauscher
 - Leitungsinfrastruktur (Strom, Gas, Wärme/Kälte)
 - Speicher
 - Abgabeinfrastruktur
 - Brennstoffzellen
- Änderungen bestehender (Industrie- u Leitungs-)Anlagen

Betroffene Umweltmedien (Auszug)

- Gewässer
 - Wasserbedarf Elektrolyse min 9 kg/kg H₂ (stöchiometrie)
- Mensch
 - Brand- und Explosionsgefahr
 - Lärm, Erschütterungen
- Boden
 - Flächenbedarf
- Pflanzen/Tiere/Lebensräume/biolog Vielfalt
- Landschaft

(Rechtliche) Standortbedingungen

- (Schutzgebiete, Flächenverfügbarkeit)
- „Angemessener Sicherheitsabstand“ v Seveso-III-Anlagen
 - Schwellenwert Wasserstoff: 5 t
 - oft eigene Regelungen in RO-Gesetzen
 - Berechnung anh BLAK Seveso „Empfehlung“
- Mitspracherechte (grds einzelfallabhängig)
 - Investoren/verbundene Unternehmen
 - Nachbarn
 - sonstige Parteien

Genehmigungsvoraussetzungen (?)

- Anwendbarkeit UVP-Regime?
 - Schwellenwerte erreicht?
 - „integriertes chemisches Werk“?
- Welche Materiengesetze sind anwendbar?
 - Nahezu immer: GewO, BauO, WRG;
 - Weiters: NSchG, GWG, StVO, ETG, StWG, StrG, usw
- Anwendbarkeit IPPC-Regime? Falls ja:
 - Welche Anlagenteile?
 - Welche BVT-Referenzdokumente?

Zusammenfassung



- Neue GasbinnenmarktRL und GasVO erhöhen die Rechtssicherheit in Bezug auf zukünftige Investitionsentscheidungen
- Klares Bekenntnis der EU zum „Hochfahren“ des Wasserstoffmarktes und Errichtung einer grenzüberschreitenden Wasserstoffinfrastruktur
- Umfassendes Förderregime auf EU-Ebene, aber auch national
- Gesamtstrategie noch im „Dunkeln“ - Marktanlauf ja, aber wie?
- Ö Wasserstrategie nur tw kompatibel mit EU Strategie
- Rechtsunsicherheiten im Anlagengenehmigungsrecht erfordern weitere legislative Änderungen / Klarstellungen

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