

1. Record Nr.	UNINA9910483303603321
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Titolo	Renewable Hydrogen : Renewable Energy and Renewable Hydrogen APAC Markets Policies Analysis // by Matthieu Jaunatre
Pubbl/distr/stampa	Wiesbaden : , : Springer Fachmedien Wiesbaden : , : Imprint : Springer Gabler, , 2021
ISBN	3-658-32642-5
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XI, 110 p. 10 illus., 8 illus. in color.)
Collana	Business Analytics, , 2570-1371
Disciplina	333.79095
Soggetti	Industries International business enterprises Industrial management - Environmental aspects International Business Corporate Environmental Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Introduction -- 2. The research concept -- 3. Practical literature review for establishing the current renewable hydrogen framework -- 4. Scientific literature review for establishing the status of the research of the renewable hydrogen framework -- 5. Empirical research for establishing the potential of renewable hydrogen for decarbonising the industrial sectors using fossil fuel-based hydrogen within the APAC markets -- 6. Results -- 7. Discussion -- 8. Conclusion.
Sommario/riassunto	Hydrogen has recently become a popular topic and is often described as the missing link to a successful green energy transition. However, hydrogen can only contribute to a carbon-free future if it is produced from renewable energy. The ability to produce renewable hydrogen is linked to the renewable energy production capacity, which is itself conditioned by the underpinning renewable energy policies. This publication offers a review and an analysis of the renewable energy and hydrogen policies of five countries of the APAC markets: Australia, China, Japan, South-Korea and Taiwan. The review is complemented by interviews of renewable energy policy experts, renewable energy project developers and potential renewable hydrogen off-takers.

Altogether, the policies analysis and experts' inputs provide a comprehensive overview of the status, drivers, limitations, and recommendations for the use of renewable hydrogen as a solution for deep decarbonization. Finally, the author proposes a method to assess the potential of renewable hydrogen to decarbonize hard-to-abate industries (ammonia, methanol, oil refining and steel manufacturing) based on existing renewable energy policies. About the Author
Matthieu Jaunatre holds a Master of Environmental Engineering and a Master of Business Administration. He has over 15 years of experience in nuclear and renewable new build projects development and execution. He currently heads the QHSE function of an offshore wind market leader.
