



Center on  
Global Energy Policy  
at COLUMBIA | SIPA



# National Hydrogen Strategies & Roadmaps Tracker

July 2025



# North America

| Country       | Year       | Original text                                                     | English translation |
|---------------|------------|-------------------------------------------------------------------|---------------------|
| Canada        | Dec-2020   | <a href="#">Hydrogen Strategy for Canada</a>                      |                     |
|               | April-2024 | <a href="#">Hydrogen Strategy for Canada: Progress Report</a>     |                     |
| United States | Jun-2023   | <a href="#">U.S. National Clean Hydrogen Strategy and Roadmap</a> |                     |
|               | Dec-2024   | <a href="#">Department of Energy Hydrogen Program Plan</a>        |                     |

# Latin America (1)

| Country   | Year     | Original text                                                                                      | English translation                                                           |
|-----------|----------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Argentina | Sep-2021 | <a href="#">Hacia una Estrategia Nacional Hidrógeno 2030</a>                                       |                                                                               |
|           | Sep-2023 | <a href="#">Estrategia Nacional para el Desarrollo de la Economía del Hidrógeno</a>                | <a href="#">National Strategy for the Development of the Hydrogen Economy</a> |
| Brazil    | Jul-2021 | <a href="#">Programa Nacional do Hidrogênio</a>                                                    |                                                                               |
|           | Aug-2023 | <a href="#">Plano de Trabalho Trienal (PNH2)</a>                                                   |                                                                               |
| Bolivia   | Nov-2024 | <a href="#">La Estrategia Nacional para el Desarrollo y Uso del Hidrógeno Verde (H2V), Bolivia</a> |                                                                               |
| Chile     | Nov-2020 | <a href="#">Estrategia de Hidrógeno Verde</a>                                                      | <a href="#">National Green Hydrogen Strategy</a>                              |
|           | Jun-2021 | <a href="#">Chile's Green Hydrogen Strategy and investment opportunities</a>                       |                                                                               |
|           | Apr-2024 | <a href="#">Plan de Acción Hidrógeno Verde 2023-2030</a>                                           | <a href="#">Green Hydrogen Action Plan 2023-2030</a>                          |
| Colombia  | Sep-2021 | <a href="#">Hoja de Ruta del Hidrógeno en Colombia</a>                                             | <a href="#">Colombia's Hydrogen Roadmap</a>                                   |

# Latin America (2)

| Country    | Year     | Original text                                                                                              | English translation                                                                   |
|------------|----------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Costa Rica | Dec-2022 | <a href="#">Estrategia Nacional de Hidrógeno Verde de Costa Rica 2022-2050</a>                             |                                                                                       |
| Ecuador    | Jul-2023 | <a href="#">Hoja de Ruta del Hidrógeno Verde en el Ecuador</a>                                             |                                                                                       |
| Panama     | Apr-2023 | <a href="#">Estrategia Nacional de Hidrógeno Verde y Derivados de Panamá</a>                               |                                                                                       |
| Paraguay   | Jun-2021 | <a href="#">Hacia la ruta del Hidrógeno Verde en Paraguay – Marco Conceptual</a>                           | <a href="#">Towards the Green Hydrogen Roadmap in Paraguay – Conceptual Framework</a> |
|            |          | <a href="#">Hacia la ruta del Hidrógeno Verde en Paraguay – Propuesta de Innovación</a>                    | <a href="#">Towards the Green Hydrogen Roadmap in Paraguay – Innovation Proposal</a>  |
| Peru       | Apr-2023 | <a href="#">Bases y recomendaciones para la elaboración de la Estrategia de Hidrógeno Verde en el Perú</a> |                                                                                       |
| Uruguay    | Jun-2022 | <a href="#">Hoja de ruta del hidrógeno verde en Uruguay</a>                                                | <a href="#">Green Hydrogen Roadmap in Uruguay</a>                                     |
|            | Oct-2023 | <a href="#">Hoja de ruta del hidrógeno verde y derivados en Uruguay</a>                                    | <a href="#">Uruguay's Roadmap for Green Hydrogen and Derivatives</a>                  |

# Europe (1)

| Country        | Year       | Original text                                                    | English translation                                                     |
|----------------|------------|------------------------------------------------------------------|-------------------------------------------------------------------------|
| Austria        | Jun 2022   | <a href="#">Wasserstoffstrategie für Österreich</a>              | <a href="#">Executive Summary</a>                                       |
| Belgium        | Oct-2022   | <a href="#">Update of Belgian Federal Hydrogen Strategy 2022</a> |                                                                         |
| Bulgaria       | May-2023   | <a href="#">водородно бъдеще за България</a>                     |                                                                         |
| Croatia        | Mar-2022   | <a href="#">Hrvatska Strategija Za Vodik Do 2050. Godine</a>     | <a href="#">Hydrogen Strategy of the Republic of Croatia until 2050</a> |
| Cyprus         | Jun-2025   | <a href="#">Εθνική Στρατηγική της Κύπρου για το Υδρογόνο</a>     |                                                                         |
| Czech Republic | Jul-2021   | <a href="#">Vodíková strategie</a>                               | <a href="#">The Czech Republic's Hydrogen Strategy</a>                  |
|                | Jul-2024   | <a href="#">Vodíková strategie aktualizace 2024</a>              |                                                                         |
| Denmark        | Dec-2021   | <a href="#">Regeringens strategi for Power-to-X</a>              | <a href="#">The Government's strategy for Power to X</a>                |
|                | April-2024 | <a href="#">Økonomiske rammevilkår for brintinfrastruktur</a>    |                                                                         |

# Europe (2)

| Country | Year       | Original text                                                                                                                             | English translation                                                                                    |
|---------|------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Estonia | Feb-2023   | <a href="#">Estonian Hydrogen Roadmap</a>                                                                                                 |                                                                                                        |
| Finland | Nov-2020   | <a href="#">National Hydrogen Roadmap for Finland</a>                                                                                     |                                                                                                        |
|         | Feb-2023   | <a href="#">Valtioneuvoston periaatepäätös vedystä 2023</a>                                                                               |                                                                                                        |
| France  | Jun-2018   | <a href="#">Plan de déploiement de l'hydrogène pour la transition énergétique</a>                                                         |                                                                                                        |
|         | Sep-2020   | <a href="#">Stratégie nationale pour le développement de l'hydrogène décarboné en France</a>                                              | <a href="#">National strategy for the development of decarbonized and renewable hydrogen in France</a> |
|         | Dec-2023   | <a href="#">Stratégie nationale pour le développement de l'hydrogène décarboné en France (In consultation process until January 2024)</a> |                                                                                                        |
|         | April-2025 | <a href="#">Stratégie national de l'hydrogène décarboné 2025</a>                                                                          |                                                                                                        |
| Germany | Jun-2020   | <a href="#">Die Nationalen Wasserstoffstrategie</a>                                                                                       | <a href="#">The National Hydrogen Strategy</a>                                                         |
|         | Apr-2022   | <a href="#">Fortschrittsbericht zur Umsetzung der Nationalen Wasserstoffstrategie</a>                                                     |                                                                                                        |



# Europe (3)

| Country    | Year     | Original text                                                                   | English translation                                                   |
|------------|----------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Germany    | Jul-2023 | <a href="#">Fortschreibung der Nationalen Wasserstoffstrategie</a>              | <a href="#">National Hydrogen Strategy Update</a>                     |
|            | Jul-2024 | <a href="#">Importstrategie für Wasserstoff und Wasserstoffderivate</a>         |                                                                       |
| Hungary    | May-2021 | <a href="#">Hungary's National Hydrogen Strategy</a>                            |                                                                       |
| Iceland    | Apr-2024 | <a href="#">Hydrogen and E-fuels Roadmap for Iceland</a>                        |                                                                       |
| Ireland    | Jul-2023 | <a href="#">National Hydrogen Strategy</a>                                      |                                                                       |
| Italy      | Nov-2020 | <a href="#">Strategia Nazionale Idrogeno Linee Guida Preliminari</a>            |                                                                       |
|            | Nov-2024 | <a href="#">Strategia Nazionale Idrogeno</a>                                    |                                                                       |
| Lithuania  | Apr-2024 | <a href="#">Vandenilio Sektoriaus Plėtros Lietuvoje 2024–2030 Metais Gairės</a> |                                                                       |
| Luxembourg | Sep-2021 | <a href="#">Stratégie hydrogène du Luxembourg</a>                               | <a href="#">Stratégie hydrogène du Luxembourg (Executive Summary)</a> |

# Europe (4)

| Country     | Year      | Original text                                                    | English translation                                                  |
|-------------|-----------|------------------------------------------------------------------|----------------------------------------------------------------------|
| Netherlands | Mar-2020  | <a href="#">Kabinetsvisie waterstof (letter to Parliament)</a>   |                                                                      |
|             | Apr-2020  | <a href="#">Government Strategy on Hydrogen</a>                  |                                                                      |
|             | July-2021 | <a href="#">Werkplan Nationaal Waterstof Programma 2022-2025</a> |                                                                      |
|             | Nov-2022  | <a href="#">Routekaart Waterstof</a>                             | <a href="#">Hydrogen Roadmap for the Netherlands</a>                 |
| Norway      | June-2020 | <a href="#">Regjeringens hydrogenstrategi</a>                    | <a href="#">The Norwegian Government's hydrogen strategy</a>         |
| Poland      | Dec 2021  | <a href="#">Polska Strategia Wodorowa do roku 2030</a>           | <a href="#">Polish Hydrogen Strategy until 2030 (Summary)</a>        |
| Portugal    | Aug-2020  | <a href="#">Estratégia Nacional de Hidrogénio (EN-H2)</a>        |                                                                      |
| Romania     | May-2023  | <a href="#">Strategia Nationala pentru Hidrogen 2023-2030</a>    | <a href="#">National Hydrogen Strategy and Action Plan 2023-2030</a> |
| Slovakia    | Jun-2021  | <a href="#">Národná vodíková stratégia</a>                       | <a href="#">National Hydrogen Strategy: Ready for the Future</a>     |



# Europe (5)

| Country     | Year     | Original text                                                                      | English translation                                              |
|-------------|----------|------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Spain       | Oct-2020 | <a href="#">Hoja de Ruta del Hidrógeno: Una Apuesta por el Hidrógeno Renovable</a> |                                                                  |
| Sweden      | Nov-2021 | <a href="#">Förslag till nationell strategi för fossilfri vätgas</a>               |                                                                  |
| Switzerland | Dec-2024 | <a href="#">Stratégie hydrogène pour la Suisse</a>                                 |                                                                  |
| Turkey      | Jan-2023 | <a href="#">Türkiye Hidrojen Teknolojileri Stratejisi ve Yol Haritası</a>          | <a href="#">Turkiye Hydrogen Technology Strategy and Roadmap</a> |
| Ukraine     | Mar-2021 | <a href="#">Draft Roadmap for production and use of hydrogen in Ukraine</a>        |                                                                  |
|             | Mar-2021 | <a href="#">Draft Hydrogen Strategy of Ukraine</a>                                 |                                                                  |

# Europe (6)

| Country        | Year     | Original text                                                         | English translation |
|----------------|----------|-----------------------------------------------------------------------|---------------------|
| United Kingdom | Aug-2021 | <a href="#">UK Hydrogen Strategy 2021</a>                             |                     |
|                | Jul-2022 | <a href="#">Hydrogen Strategy Update to the Market: July 2022</a>     |                     |
|                | Dec-2022 | <a href="#">Hydrogen Strategy Update to the Market: December 2022</a> |                     |
|                | Aug-2023 | <a href="#">Hydrogen Strategy Update to the Market: August 2023</a>   |                     |
|                | Dec-2023 | <a href="#">Hydrogen Strategy Delivery Update: December 2023</a>      |                     |
|                | Dec-2024 | <a href="#">Hydrogen Strategy Update to the Market: December 2024</a> |                     |

# Africa (1)

| Country    | Year     | Original text                                                                                               | English translation |
|------------|----------|-------------------------------------------------------------------------------------------------------------|---------------------|
| Algeria    | Sep-2023 | <a href="#">Stratégie Nationale du Développement de l'Hydrogène en Algérie</a>                              |                     |
| Egypt      | Aug-2024 | <a href="#">Egypt's Hydrogen Strategy</a>                                                                   |                     |
| Kenya      | Sep-2023 | <a href="#">Green Hydrogen Strategy and Roadmap for Kenya</a>                                               |                     |
|            | May-2024 | <a href="#">Kenya's Guidelines on Green Hydrogen and Its Derivatives</a>                                    |                     |
| Mauritania | Oct-2021 | <a href="#">Feuille de route pour l'industrie d'hydrogène à faible empreinte de carbone en Mauritanie</a>   |                     |
| Morocco    | Oct-2021 | <a href="#">Feuille de route hydrogène vert: vecteur de transition énergétique et de croissance durable</a> |                     |
| Namibia    | Nov-2022 | <a href="#">Namibia Green Hydrogen and Derivatives Strategy</a>                                             |                     |

# Africa (2)

| Country      | Year     | Original text                                                                                           | English translation                                                                                    |
|--------------|----------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| South Africa | Oct-2021 | <a href="#">Hydrogen Valley Feasibility Study</a>                                                       |                                                                                                        |
|              | Feb-2022 | <a href="#">Hydrogen Society Roadmap for South Africa 2021</a>                                          |                                                                                                        |
|              | Oct-2023 | <a href="#">Green Hydrogen Commercialisation Strategy for South Africa</a>                              |                                                                                                        |
| Tunisia      | May-2024 | <a href="#">Strategie Nationale Pour Le Développement De L'Hydrogène Vert Et Ses Dérivés en Tunisie</a> | <a href="#">National Strategy for the Development of Green Hydrogen and its Derivatives in Tunisia</a> |



# Middle East

| Country | Year     | Original text                                                    | English translation               |
|---------|----------|------------------------------------------------------------------|-----------------------------------|
| Israel  | May-2023 | <a href="#">להערות ציבור אסטרטגיית מימן לישראל – פרסום טיוטה</a> | <a href="#">Hydrogen Strategy</a> |
| Oman    | Oct-2022 | <a href="#">Green Hydrogen in Oman</a>                           |                                   |
| UAE     | Jul-2023 | <a href="#">National Hydrogen Strategy 2050</a>                  |                                   |

# CIS

| Country    | Year     | Original text                                                                                | English translation                                                          |
|------------|----------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Azerbaijan | Nov-2024 | <a href="#">Azerbaijan National,Hydrogen Strategic Outlook</a>                               |                                                                              |
| Kazakhstan | Apr-2024 | <a href="#">Концепция развития водородной энергетики в Республике Казахстан до 2040 года</a> | <a href="#">Development of Hydrogen Energy in the Republic of Kazakhstan</a> |
| Russia     | Jun-2020 | <a href="#">Энергетическую стратегию Российской Федерации на период до 2035 года</a>         |                                                                              |
|            | Oct-2020 | <a href="#">Развитие водородной энергетики в Российской Федерации до 2024 года</a>           |                                                                              |
|            | Aug-2021 | <a href="#">Развития водородной энергетики в Российской Федерации</a>                        |                                                                              |
|            | Jan-2023 | <a href="#">Распоряжение Правительства Российской Федерации от 16.01.2023 N 40-р</a>         |                                                                              |
| Uzbekistan | Apr 2021 | <a href="#">МЕРАХ ПО РАЗВИТИЮ ВОЗОБНОВЛЯЕМОЙ И ВОДОРОДНОЙ ЭНЕРГЕТИКИ</a>                     |                                                                              |

# Asia (1)

| Country   | Year      | Original text                                                       | English translation                                 |
|-----------|-----------|---------------------------------------------------------------------|-----------------------------------------------------|
| Bhutan    | June-2024 | <a href="#">Hydrogen Roadmap of Bhutan</a>                          |                                                     |
| China     | Mar-2022  | <a href="#">氢能产业发展中长期规划（2021-2035 年）</a>                            |                                                     |
| India     | Jan-2023  | <a href="#">National Green Hydrogen Mission 2023</a>                |                                                     |
| Indonesia | Dec-2023  | <a href="#">Strategi Hidrogen Nasional</a>                          |                                                     |
|           | Apr-2025  | <a href="#">Peta Jalan Hidrogen Dan Amonia Nasional</a>             |                                                     |
| Japan     | Dec-2017  | <a href="#">水素基本戦略(2017)</a>                                        |                                                     |
|           | Jun-2023  | <a href="#">水素基本戦略(2023)</a>                                        | <a href="#">Basic Hydrogen Strategy</a>             |
|           |           | <a href="#">水素基本戦略の概要</a>                                           | <a href="#">Overview of Basic Hydrogen Strategy</a> |
| Lao       | Apr-2025  | <a href="#">Lao PDR National Green Hydrogen and Ammonia Roadmap</a> |                                                     |

# Asia (2)

| Country     | Year     | Original text                                                                                            | English translation                      |
|-------------|----------|----------------------------------------------------------------------------------------------------------|------------------------------------------|
| Malaysia    | Oct-2023 | <a href="#">Hydrogen Economy and Technology Roadmap</a>                                                  |                                          |
| South Korea | Jan-2019 | <a href="#">수소경제 활성화 로드맵</a>                                                                             | <a href="#">Hydrogen Economy Roadmap</a> |
| Singapore   | Oct-2022 | <a href="#">Singapore's National Hydrogen Strategy</a>                                                   |                                          |
| Sri Lanka   | Sep-2023 | <a href="#">Sri Lanka National Hydrogen Roadmap</a>                                                      |                                          |
| Vietnam     | Feb-2024 | <a href="#">Quyết định Phê duyệt Chiến lược phát triển năng lượng hydrogen của Việt Nam đến năm 2030</a> |                                          |

# China's provinces (1)

| Region/<br>province/city | Year     | Original text                                     | English translation |
|--------------------------|----------|---------------------------------------------------|---------------------|
| An'hui                   | Nov-2022 | <a href="#">安徽省氢能产业发展中长期规划</a>                    |                     |
| Beijing                  | Aug-2021 | <a href="#">北京市氢能产业发展实施方案（2021-2025年）</a>         |                     |
| Fujian                   | Dec-2022 | <a href="#">福建省氢能产业发展行动计划（2022—2025年）</a>         |                     |
| Gansu                    | Dec-2022 | <a href="#">甘肃省人民政府办公厅关于氢能产业发展的指导意见</a>           |                     |
| Guangdong                | Jun 2021 | <a href="#">广东省发展改革委等部门关于印发广东省加快氢能产业创新发展意见的通知</a> |                     |
| Guangxi                  | Aug-2023 | <a href="#">广西氢能产业发展中长期规划（2023—2035年）</a>         |                     |
| Guizhou                  | Jun-2022 | <a href="#">贵州省“十四五”氢能产业发展规划</a>                  |                     |
| Hebei                    | Aug-2021 | <a href="#">河北省氢能产业发展“十四五”规划</a>                  |                     |
| Henan                    | Sep-2022 | <a href="#">河南省氢能产业发展中长期规划（2022—2035年）</a>        |                     |



# China's provinces (2)

| Region/<br>province | Year     | Original text                                                     | English translation |
|---------------------|----------|-------------------------------------------------------------------|---------------------|
| Hong Kong           | Jun-2024 | <a href="#">The Strategy of Hydrogen Development in Hong Kong</a> |                     |
| Hunan               | Nov-2022 | <a href="#">湖南省氢能产业发展规划</a>                                       |                     |
| Inner Mongolia      | Feb-2022 | <a href="#">内蒙古自治区“十四五”氢能发展规划</a>                                 |                     |
| Jiangxi             | Sep-2023 | <a href="#">江西省氢能产业发展中长期规划（2023-2035年）</a>                        |                     |
| Jilin               | Oct-2022 | <a href="#">“氢动吉林”中长期发展规划（2021-2035年）</a>                         |                     |
| Liaoning            | Jul-2022 | <a href="#">辽宁省氢能产业发展规划（2021-2025 年）</a>                          |                     |
| Ningxia             | Nov-2022 | <a href="#">宁夏回族自治区氢能产业发展规划</a>                                   |                     |
| Qinghai             | Jan-2023 | <a href="#">青海省氢能产业发展三年行动方案[2022–2025年]</a>                       |                     |

# China's provinces (3)

| Region/<br>province | Year     | Original text                               | English translation |
|---------------------|----------|---------------------------------------------|---------------------|
| Shandong            | Dec-2021 | <a href="#">山东省氢能产业中长期发展规划(2020—2030年)</a>  |                     |
| Shanghai            | Jun-2022 | <a href="#">上海市氢能产业发展中长期规划（2022-2035 年）</a> |                     |
| Shanxi              | Aug-2022 | <a href="#">山西省氢能产业发展中长期规划</a>              |                     |
| Sichuan             | Sep-2020 | <a href="#">四川省氢能产业发展规划（2021—2025 年）</a>    |                     |
| Tianjin             | Jan-2020 | <a href="#">天津市氢能产业发展行动方案（2020—2022年）</a>   |                     |
| Xinjiang            | May-2023 | <a href="#">自治区氢能产业发展三年行动方案[2023–2025年]</a> |                     |

# Oceania

| Country     | Year     | Original text                                                             | English translation |
|-------------|----------|---------------------------------------------------------------------------|---------------------|
| Australia   | Nov-2019 | <a href="#">Australia National Hydrogen Strategy 2019</a>                 |                     |
|             | Dec-2021 | <a href="#">State of Hydrogen 2021</a>                                    |                     |
|             | Dec-2022 | <a href="#">State of Hydrogen 2022</a>                                    |                     |
|             | Sep-2024 | <a href="#">National Hydrogen Strategy 2024</a>                           |                     |
| New Zealand | Sep-2019 | <a href="#">A Vision for Hydrogen in New Zealand</a>                      |                     |
|             | Aug-2023 | <a href="#">Interim Hydrogen Roadmap 2023 (in the consultation phase)</a> |                     |
|             | Dec-2023 | <a href="#">Hydrogen economic modelling results 2023</a>                  |                     |
|             | Nov-2024 | <a href="#">Hydrogen Action Plan</a>                                      |                     |

# Regional strategies

| Country        | Year     | Original text                                                                | English translation |
|----------------|----------|------------------------------------------------------------------------------|---------------------|
| European Union | Aug-2020 | <a href="#">EU Hydrogen Strategy</a>                                         |                     |
| ECOWAS         | Jul-2023 | <a href="#">Ecowas Green Hydrogen Strategy Policy and Strategy Framework</a> |                     |





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