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According to the [report presented by the International Energy Agency \(IEA\)](#) at the G20 meeting on 14 June, **hydrogen now has the potential to play a key role in the future global energy mix**. The IEA evaluated the opportunities and resources to be deployed for the development of low-carbon hydrogen on an industrial scale, and believes that this energy has the potential to be produced cleanly and affordably, thereby making an effective contribution to the energy transition. However, in order to make this possible, the IEA highlights **a number of challenges that need to be overcome**, such as the issue of production costs, the development of infrastructure and the introduction of legislation favorable to low-carbon hydrogen production.

In France, the potential for the development of this energy is being studied on a national level. François Kalaydjian, Director of IFPEN's Economics and Information Watch Division, went before the French National Assembly to [report on the role of hydrogen](#) in the energy transition, within the context of the board of inquiry on the economic, industrial and environmental impact of renewable energies. The hearing covered production modes and costs as well as the conditions for the roll-out of hydrogen. Questions relating to the use of hydrogen in the transport sector, particularly for private vehicles, and its role in the energy mix were also tackled.

To find out more about this energy, [read our explanation about hydrogen](#).

The IEA envisages an important role for low-carbon hydrogen
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