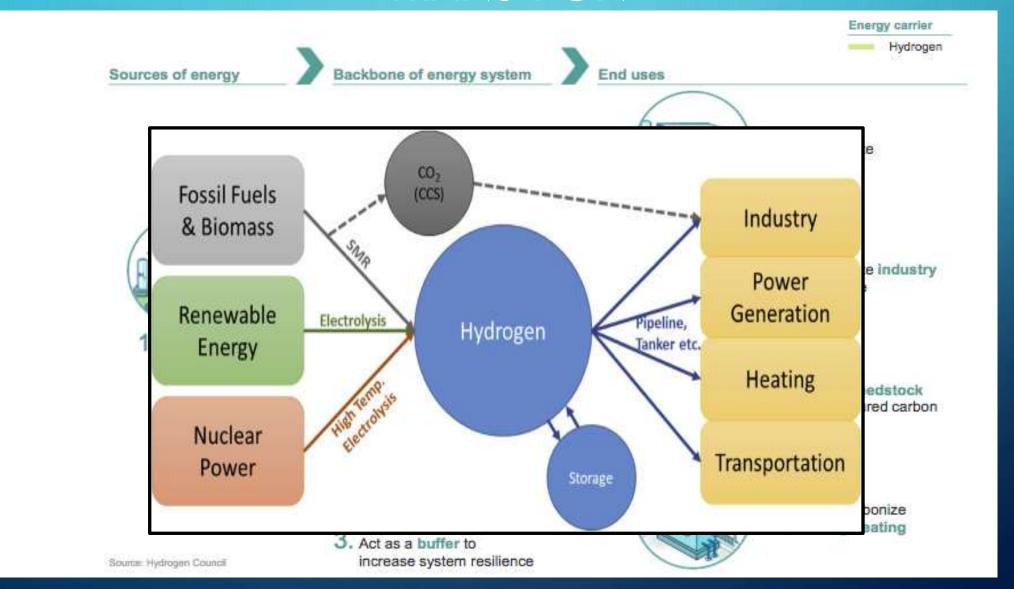


The Association for Energy, Mobility, Industry and Community

Dr James Carton



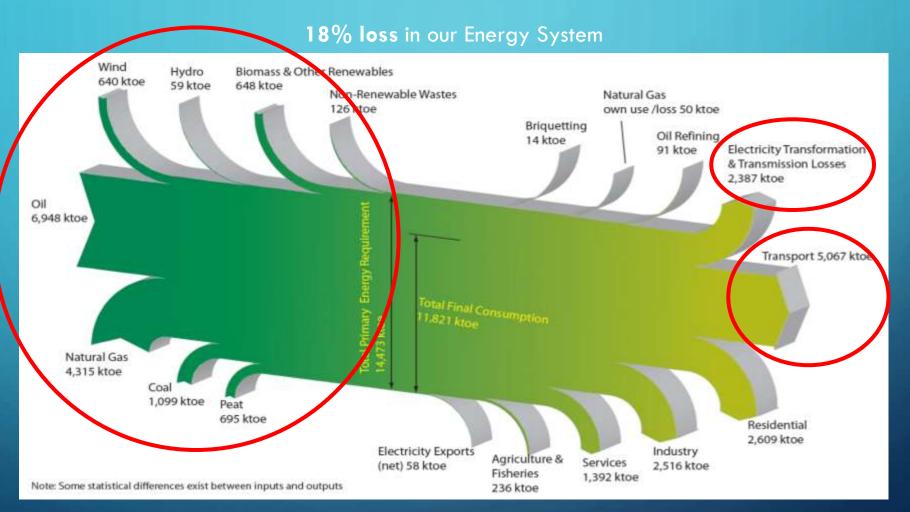
7 ROLES OF HYDROGEN TO ENABLE ENERGY TRANSITION





ENERGY USE IN IRELAND - 2018

89% of Ireland's oil products & c.50% of its gas are imported



Conversion base : 1 ktoe = 11,630,000 kWh

Source: <u>WWW.seai.ie</u> Energy-in-Ireland-Key-Statistics - SEAI - 2018 https://www.seai.ie/resources/publications/Energy-in-Ireland-2018.pdf



ONE OF THE MOST IMPACTFUL WAY TO DECARBONISE TRANSPORT IS VIA

... Public Transport..!!

Emissions standards....

Health of People....



- National: Rural & Urban
- Low Cost
- Connected
- Efficient
- Low Emission ... Let's go Zero Emission!!

Zero Emissions Uncompromising Convenience



B

Electricity stored as hydrogen provides the convenience of today's transportation fuels



Fuel cell vehicles can be developed at any scale, and hydrogen can be used in any type of vehicle



Hydrogen can be produced from unlimited sources and has zero-tailpipe emissions



No need to change current vehicle ownership or operational model



Hydrogen refueling is faster and more flexible than battery charging



Convenient and safe, with fast refueling to meet productivity and emergency vehicle needs

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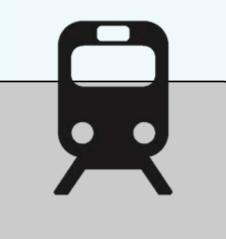
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M B **Buses & Trucks**



WrightBus & Toyota & Nikola







Alstom, Germany Austria & soon UK...



Light Vehicles



Toyota, Hyundai, Honda, Etc

M SEAFUEL





http://www.seafuel.eu/

Valentia Island Ambitions





http://www.energycoops.ie/hydrogen-production-plansfor-irelands-valentia-island/

Public Transport & Car Fleets??





M O B

> Hydroger Ireland

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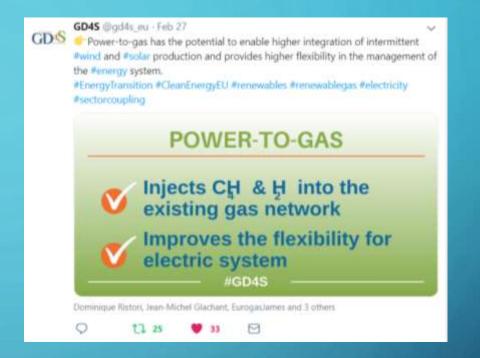
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THANK YOU.

