

TEMPLATE FOR CHARACTERISING ENERGY TECHNOLOGY ROADMAPS

**ENERGY TECHNOLOGY ROADMAPS:
TEMPLATE FOR CHARACTERISATION**

REFERENCE	Iceland Hydrogen
Title:	Towards the Hydrogen Economy
Date:	2003
Author:	Icelandic ministry for foreign affairs
Funded by:	Ministry for foreign affairs
Hard copy reference:	
URL:	http://www.mfa.is/media/MFA_pdf/Hydrogen.ppt
Date accessed:	July 2006
Web Format:	ppt (powerpoint)
IEA topics covered	V.1.2 Hydrogen storage
Geographical focus:	Iceland
Brief Abstract:	The roadmap is designed to explain the benefits of an hydrogen economy and Iceland's visions of using it as a supplement to the geothermal power currently used, but ultimately to replace fossil fuels in all areas of the economy (including fishing vessels).

OUTPUTS	
Short Report?	N
Major report?	Y
Visualisations?	Y
Information held on dedicated software?	N
- which package?	

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ARCHITECTURE	
Timescales used:	Short-term 2000-2010 Medium-term 2010-2020 Long-term 2020-2030
Trends and drivers?	Y
- list	<ul style="list-style-type: none"> • Lack of hydrocarbon natural resources in Iceland • Desired for national energy self-sufficiency
Enablers?	Y
- list	<ul style="list-style-type: none"> • Daimler Chrysler • Shell Hydrogen • VistOrka hf • Hydro
Performance measures/targets?	Y
- list areas	<ul style="list-style-type: none"> • Bus fleet • Passenger cars • Fishing fleet
Mapping of RD&D activities?	N
Critical assessment of capabilities?	N

PROCESS	
Methods used:	
- Desk study?	Not explicit
- Consultation	Not explicit
- Interviews?	Not explicit
- Facilitated workshop(s)	Y
- Working groups/task force	Y
- Integrated Process	Y
Stakeholders engaged:	
- University based researchers	Y
- Other public sector researchers	N
- Business – technology	Y
- Business – other	Y
- Government - energy	Y
- Government – SET	Y
- Government - other	Y
- NGOs	
No of people engaged:	Not known
Budget (if known):	Not known
Commitment to re-visit?	N

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ACTIONS IDENTIFIED	
List of actions?	Y
Actions listed according to timescale?	Y
Actions prioritised?	N
Sequencing/dependencies identified?	N
Responsibility for actions identified?	N
Types of actions identified:	
- Basic research?	Y
- list areas	<ul style="list-style-type: none"> • Hydrogen production issues • Hydrogen storage • Fuel cell testing • Safety issues
- Applied research?	Not explicit
- list areas	
- Development & demonstration	Not explicit
- list areas?	<ul style="list-style-type: none"> • Bus fleet • Passenger cars • Fishing fleet
- Other types of action?	Y
- list other types	International partnerships where appropriate