



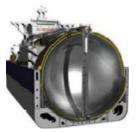
Summary Slide

Professor Eric F. May

H₂ Export Workshop 29 November 2018

H₂ Export – initial food for thought









Proposed primary R&D areas for H₂ Export

- 1. Processing & Conversion (gas phase)
- 2. Liquefaction (cryogenic or liquid carrier)
- 3. Storage & Transport
- 4. Re-gasification

Possible/suggested infrastructure needs for industrial-scale R&D

- Adequate source of H₂
 and/or feedstock for H₂.
- Compression to reach
 necessary high pressure •
 (up to 70 MPa?)
- Separation facilities

- Refrigeration to cryogenic conditions (20 K)
- Storage facilities
- Re-gasification heat exchangers
- Disposal and/or recycle

Supporting infrastructure that ensures operations are intrinsically safe & environmentally compliant

