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The ETN ammonia interest group

Overview of current issues



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Status

- ❖ JCER proposal of TU/e
 - Judged “very good”
 - Not granted
- ❖ Teleconf Cardiff – TU/e
 - Try to join efforts
 - Identify different expertises
 - Ask industry for their questions
 - Prepare 2 pages plan
- ❖ Royal Society white paper



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Status cont'd

❖ Strategy:

- Ammonia can also be used as storage only
- How would ammonia fuelled GT's look like
- Emission studies

❖ Finance:

- Possible support of Dutch flame foundation,
- Others?
- Cooperation between national science foundations
- Horizon 2020
- Experiences



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NH3 event 2018



- ❖ 2 days event, 17 + 18 May
- ❖ Rotterdam, The Netherlands
- ❖ Biggest ammonia event in Europe
- ❖ 2nd European Conference on Sustainable NH₃ Solutions
- ❖ Registration fee: € 349



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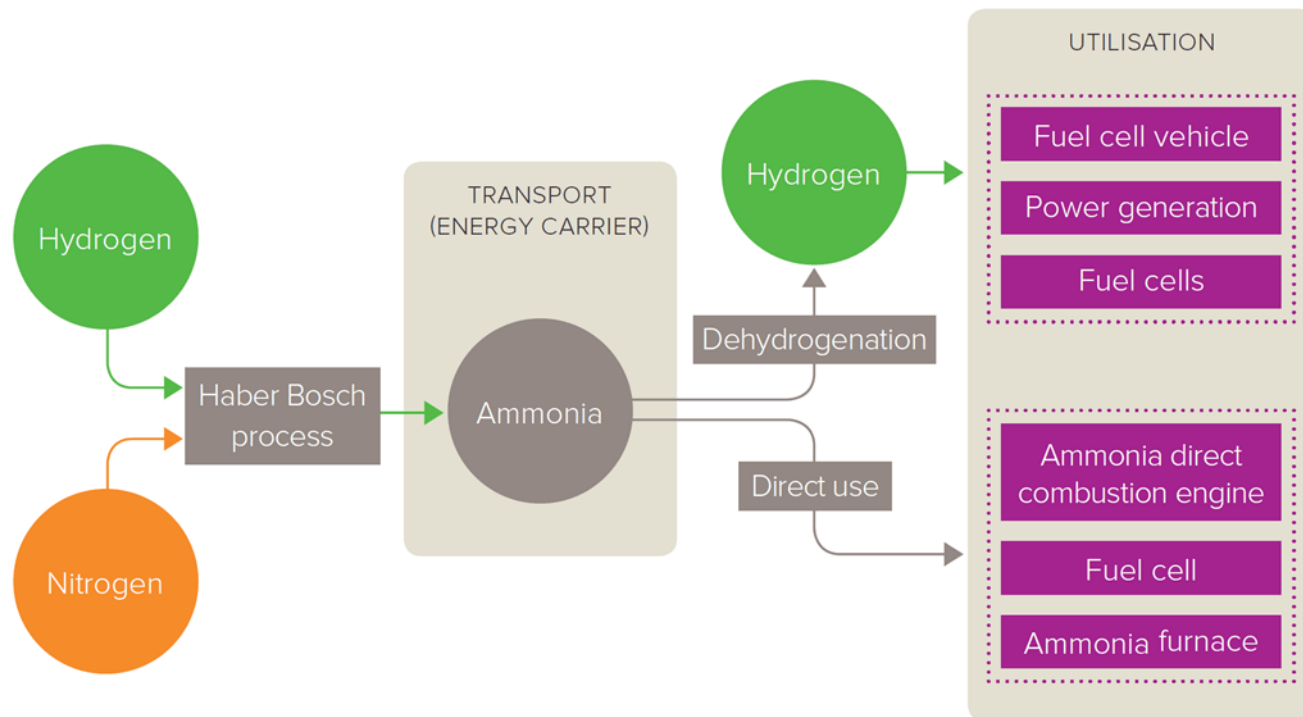
NH3 interest group

- ❖ Current participants, people & companies?
- ❖ Markets, opportunities/
- ❖ Activities expected/wanted?
- ❖ Project of interest?
- ❖ How should we evolve as a group?

Royal Society I

FIGURE 2

Ammonia as an energy carrier





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Royal Society II

Ammonia is a versatile fuel that can be used directly in high-temperature solid oxide fuel cells, cracked for low-temperature fuel cells, and partially cracked for combustion in turbines and internal combustion engines. [It] can be considered as a promising long-term hydrogen transport and storage option.

Royal Society, [Options for producing low-carbon ammonia at scale, January 2018](#)



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