# Blockchain-based Payment for Carbon Trading

## Oscar Golding (z5160173)
## Supervised by: Dr. Sherry Xu, Dr. Qinghua Lu

Thesis A: UNSW

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Blockchain-
based
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Recap
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# Outline

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# Problem

- Energy production can be certified on the blockchain.
- Blockchain solves an Environmental, Social and Corporate Governance (ESG) problem for energy certification.
- Carbon trading is a politically contentious field lacking trust.

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# Aim

- Can automated certification on the blockchain be used to deliver *trust* in the market for carbon?
- Can blockchain-based hydrogen certification be used as a motivating example for carbon trading?

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# Thesis B Aims

- Explore how *Hyperledger Fabric* can be used to develop a blockchain carbon market.

- Understand the performance trade-offs of putting a carbon trading platform on the blockchain.

- Identify how ESG hydrogen certificates can be used to automate a carbon market.

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References

# References I

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