

# Proof of Behavior EcoMobiCoin



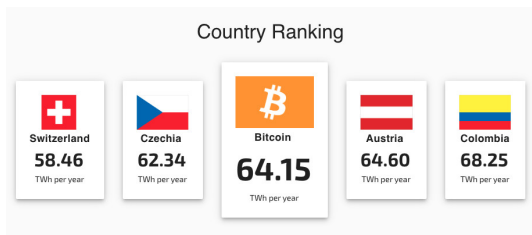
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Co'péro - Spécial Crypto 2022

# Bitcoin = Proof of Work



- ▶ And highly energy consuming



# Proof of Work

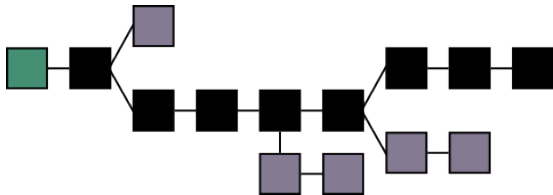
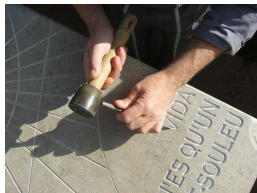
- ▶ Useless computations



## Other crypto-monnaies



# Roles of Miners



# Contributions

## Proof of Behavior

- ▶ Paradigm shift
- ▶ Incentivization of green behaviors
- ▶ EcoMobiCoin



# Outline

Motivations

Proof of Behavior

EcoMobiCoin

Conclusion



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# Proof of Behavior (PoB)

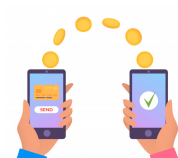


- ▶ No specialized hardware required for mining
- ▶ Anyone behavior helps to generate coins
- ▶ No waste of computational power

# Proof of Behavior (PoB)

- ▶ Public blockchain
- ▶ Decentralization

3 actors



**User**



**Prover**



**Verifier**

# Users



# Provers



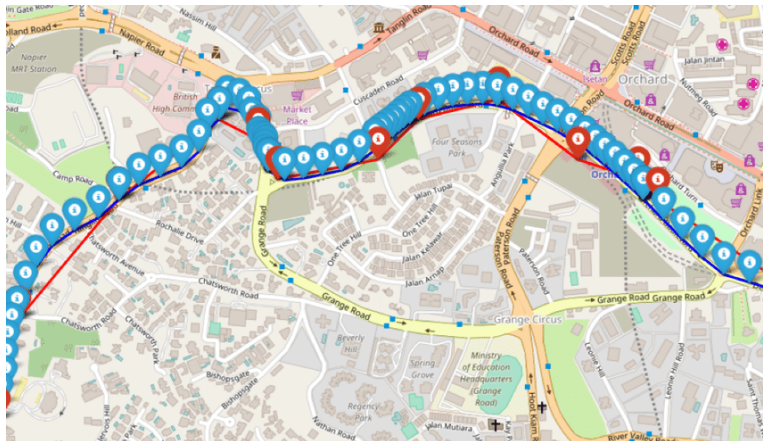
Who realize PoB



# Verifiers



Who verify PoBs and transactions



# Outline

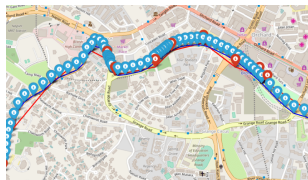
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# EcoMobiCoin Proof of Behavior





# EcoMobiCoin Temporal Demurage



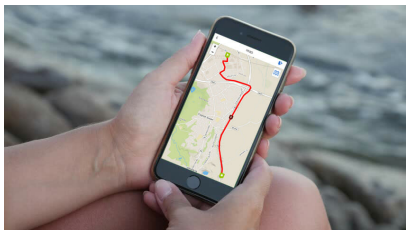
Reward = Demurage



# Ephemeral PoB



# Prover Reward = Distance



- ▶ Not enough water = Currency creation
- ▶ Too much water = Jackpot for verifier



# Verifier Reward

- ▶ PoB is required



- ▶ Check transactions
- ▶ Demurage Jackpot - Lost PoB



# Outline

Motivations

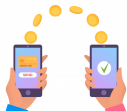
Proof of Behavior

EcoMobiCoin

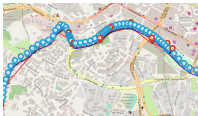
Conclusion

# EcoMobiCoin = EcoResponsible PoB

3 Actors



PoB



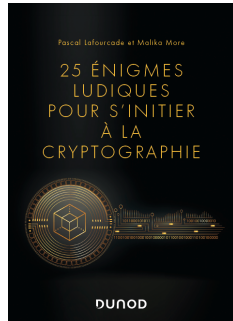
Demurage



Life cycle



## Questions ?



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