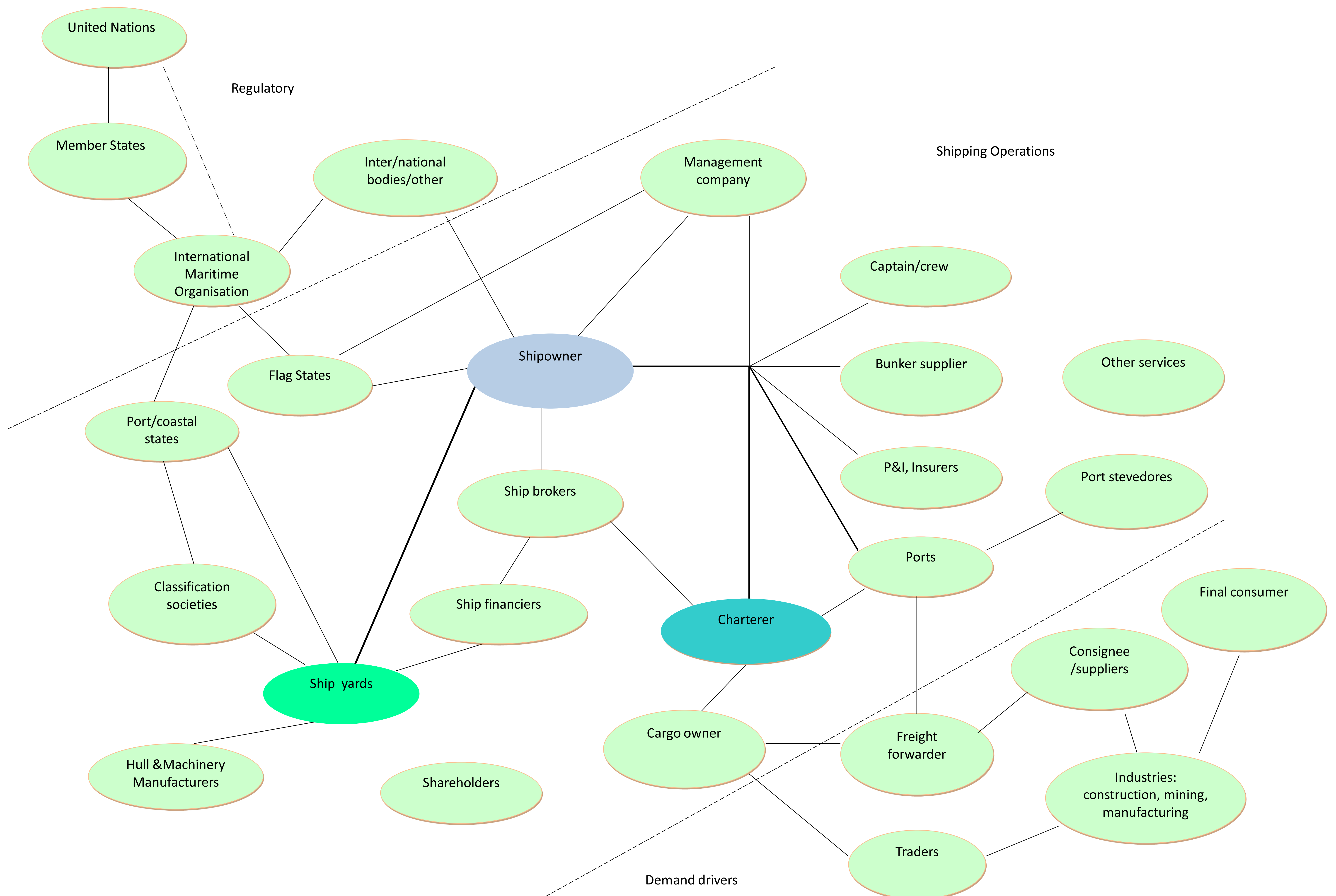


Decomposing the Structure of the Shipping Industry to Investigate Barriers to Energy Efficiency

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UCL Energy Institute

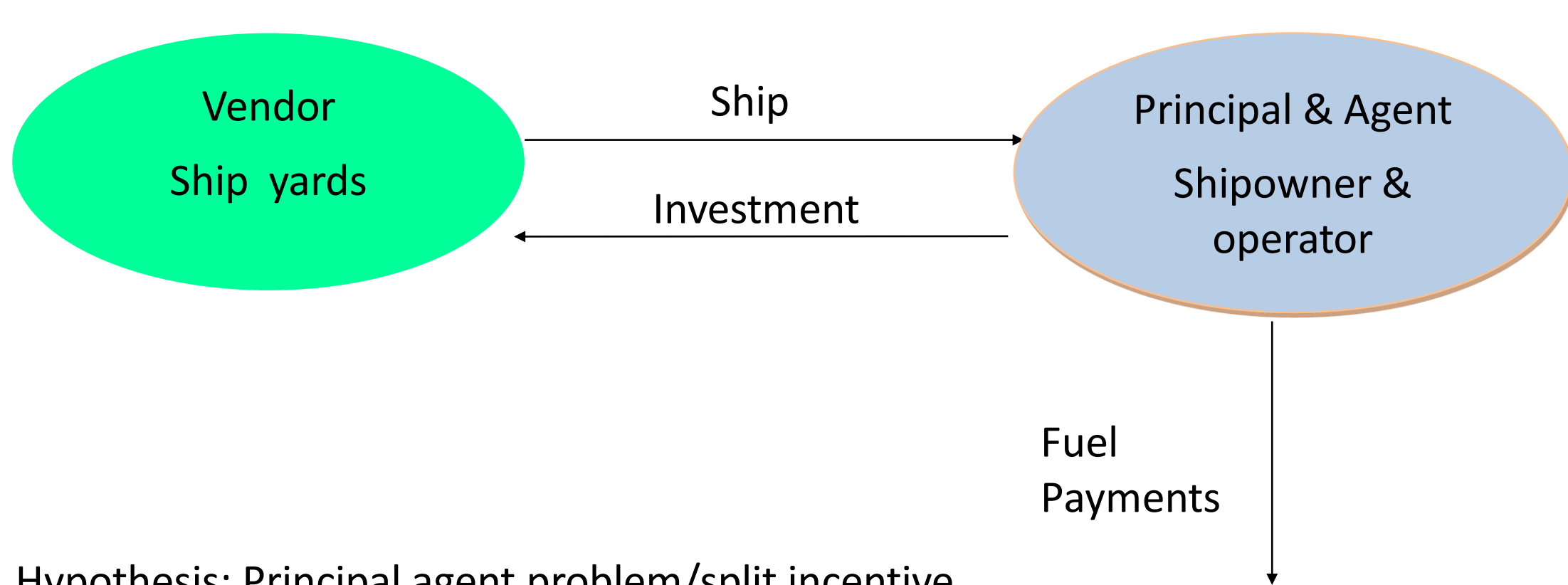


Identifying the stakeholder space



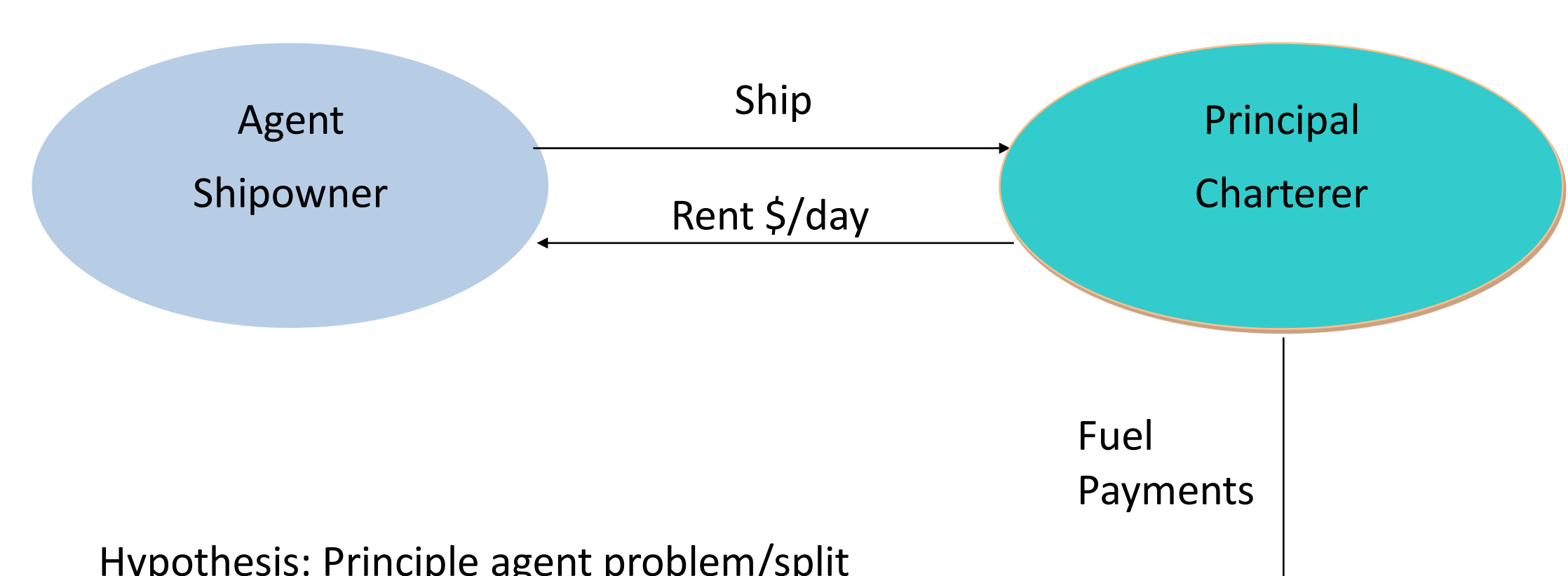
Brief overview of the different types of charter

Scenario 1: Ship owner & operator



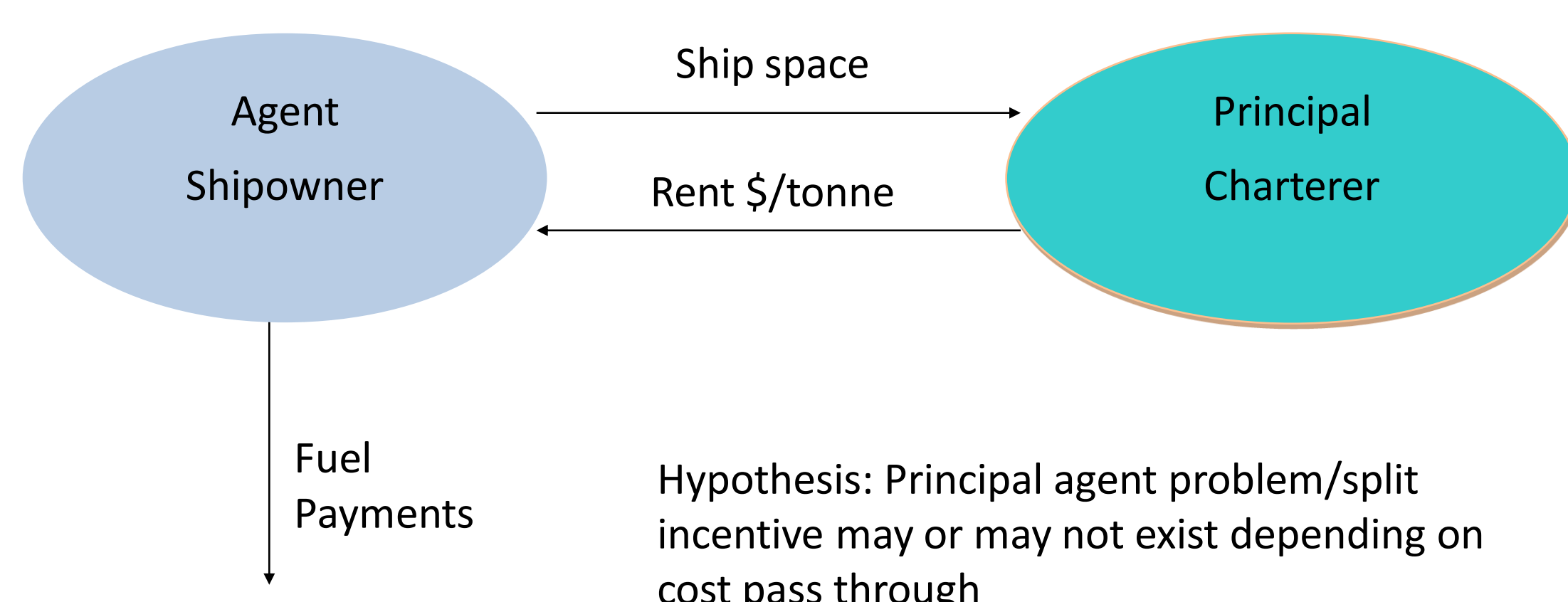
Hypothesis: Principal agent problem/split incentive may not exist

Scenario 3: Ship owner and charterer (medium time charter)



Hypothesis: Principle agent problem/split incentive does exist

Scenario 2: Ship owner and charterer (voyage charter)



Scenario 4: Ship owner and charterer (long term time, bareboat charter)

