

Chapter 18.1

The impact of the organisational structure

Outline

- Problem and model assumptions
- Possible organisational forms
- Optimal organisational form
- Summary

- Problem and model assumptions

Problem and model assumptions

Flat organisation

Problem and model assumptions

- Investment banks typically have a flat organisational structure
- Oversight by senior managers on advice given to clients is minimal
- ► Senior managers might lack the specialist knowledge, but have experience

Priority of ideas

Problem and model assumptions

- \blacktriangleright Managers provide ideas for advice that are accepted by clients with probability π_M and generate surplus V_M
- \triangleright Specialists provide ideas for advice that are accepted by clients with probability π_S and generate surplus V_S
- ▶ The ideas of higher ranked staff have priority in being put forward

- Possible organisational forms

Hierarchical structure



Investment bank profits in hierarchical structures

- None of the four managers have an idea that is accepted Managers have an idea that is accepted by one of the both clients and generates the surplus from both
- or it has an idea for one client, but not the other, generating surplus from one client
- $\Pi_H = 2\left(1 (1 \pi_M)^4\right)^2 V_M + 2\left(1 (1 \pi_M)^4\right) (1 \pi_M)^4 V_M$
- ▶ If no manager has an acceptable idea, no surplus is generated

Flat structure

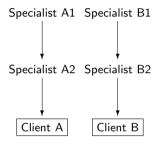


Investment bank profits in flat structures

- ► The managers have an idea that is accepted by both clients, and generate the surplus
- or the managers have an idea that is accepted by one client, but not the other, generating surplus, for this remaining client the specialist might have an idea and generate surplus
- or no managers have ideas that are accepted, but the specialists might have and generate surplus
- $\Pi_F = 2\left(1 (1 \pi_M)^2\right)^2 V_M + 2\left(1 (1 \pi_M)^2\right)(1 \pi_M)^2 (V_M + \pi_S V_S) + 2(1 \pi_M)^4 \pi_S V_S$
- ▶ If neither managers nor specialists have ideas accepted, no surplus is generated

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Independent units



Investment bank profits with independent units

- Specialists might have ideas accepted and generate surplus for each of the clients
- $\Pi_I = 2 \left(1 (1 \pi_S)^2 \right) V_S$
- If neither of the two specialists for each client have an idea accepted, no surplus is generated

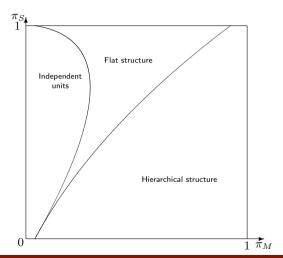
- Problem and model assumptions
- Possible organisational forms
- Optimal organisational form
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Comparison of profits to investment banks

- Comparing investment bank profits, we obtain that
- $\blacksquare \Pi_H > \Pi_F \text{ if } \frac{V_M}{V_S} > \frac{\pi_S}{1 (1 \pi_M)^2}$
- $ightharpoonup \Pi_H > \Pi_I \ \ ext{if} \ \ rac{V_M}{V_S} > rac{1 (1 \pi_S)^2}{1 (1 \pi_M)^4}$
- $ightharpoonup \Pi_F > \Pi_I \ \ ext{if} \ \ rac{V_M}{V_S} > rac{1 \pi_S (1 \pi_M)^2 (1 \pi_S)^2}{1 (1 \pi_M)^2}$
- ▶ If $rac{V_M}{V_S} < 1$, then $\Pi_F < \Pi_I$ and the flat structure is never optimal

¿Using the expressions on the revenue as determine above, we now compare these pairwise.

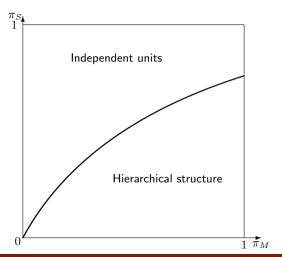
Managers providing higher surplus than specialists $(V_M > V_S)$



Trade-off between many ideas and good ideas

- ► Investment banks face a trade-off between more ideas by managers in a hierarchical structure and fewer but better ideas in flatter structures
- ► A higher acceptance of ideas from specialists favours a flatter structure
- ▶ If the acceptance rate are very high, the added layer of management can improve the overall revenue at low cost if managers' ideas are unlikely to be accepted
- ► A flatter structure is preferred if specialists are producing advice that is more likely to be accepted by clients

Managers providing lower surplus than specialists $(V_M < V_S)$



Specialist involvement is preferred

- ► If managers generate less surplus than specialists, flatter structures are favoured even more
- ► A flat structure is not optimal as the management involvement is not generating enough surplus
- Structures are either hierarchical or independent

- Summary

Benefits of flatter structures

- ▶ Hierarchical structures benefits from the input of many layers of management
- ► This ability to generate many ideas needs to be weighed against the potentially lower surplus these ideas generate
- ▶ If specialists generate more surplus, flatter structures are preferred as then the ideas of specialists prevail

Different knowledge bases

- ► Staff in investment bank have high levels of knowledge, managers might have more general knowledge
- Specialists might be offering advice that is easier accepted by clients, but managers have more knowledge how to extract surplus for the investment bank
- ► The requirement to have advice accepted, favours flatter structures, as found in most investment banks



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