

Thoughts on Revenue Models in Mobile Internet

H. Hämmäinen, H. Verkasalo, Z. Hanbo Helsinki University of Technology







Problem

What revenue models of mobile Internet services are most successful in Finland?





Conceptual Framework

- Two-sided market
- Revenue model
 - Advertising, Subscription, Transaction
- Value network
- Attention economics
 - Attention as a kind of currency





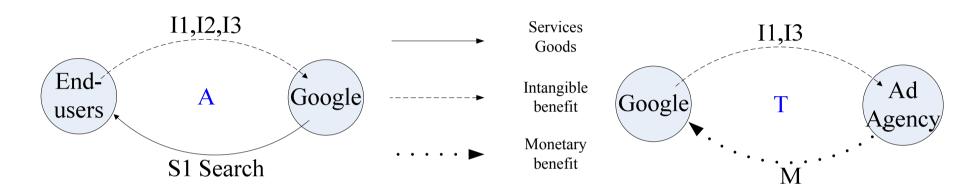
Value Exchange Notation

- Services & Goods
 - S1: core service (central benefit for users)
 - S2: enabler service (facilitating core service)
- Monetary benefit: M
- Intangible benefit
 - I1: Attention
 - I2: Loyalty (incl. brand recognition, reputation, etc.)
 - 13: Information (actors' background, preference, etc.)





Value Exchange Examples



- Google provides free search service for users in exchange of their attention, loyalty and information.
- Advertising revenue model

- Google sells the attention and information of users (i.e. ad place) to ad agencies in exchange of money.
- Transaction revenue model





Analysis Procedure

- 1. Select the most successful services
- 2. Analyze the services case by case
- 3. Derive a general model from the findings





Selection of Services

• Selection criteria:

1. number of tryers: _____ market penetration rate

2. number of users: customer retention rate

Smartphone Service	Share Tried %	Share Repetitively Usd %	Company	Rev model
Visual Radio	24.05%	3.81%	Nokia	Α
Maps	15.57%	6.23%	Nokia	Α
Lifeblog	12.46%	0.52%	Nokia	Α
Search	10,38%	0.87%	Nokia	Α
Navicore	9.86%	5.71%	Na∨icore	S
Opera Mini	8.30%	4.67%	Opera	Α
Opera Mobile	7.27%	2.25%	Opera	Т
Channels	6.40%	0.52%	Nokia	Α
Google Mail	6.06%	2.25%	Google	Α
Google Maps	5.71%	1.56%	Google	Α
WidSets	5.36%	2.42%	Nokia	Α
Fring	4.50%	1.90%	Fring	Α
Landmarks	4.50%	0.00%	Nokia	Α
Elisa Mobi	3.98%	0.69%	Elisa	Α
TomTom	3.98%	1.38%	TomTom	S
MobileSearch	3.11%	0.00%	Nokia	Α
Navigation	2.94%	0.35%	Nokia	S
Internet Radio	2.77%	0.87%	Nokia	Α
MSN	2.77%	0.35%	Microsoft	Α
Photo Print	2.60%	0.00%	Nokia	Т
Music store	1.90%	0.00%	Nokia	Т





Advertising Outperforms

Ad: Trans

1.service

13:3:4

2.tryers:

629:68:120

3.users:

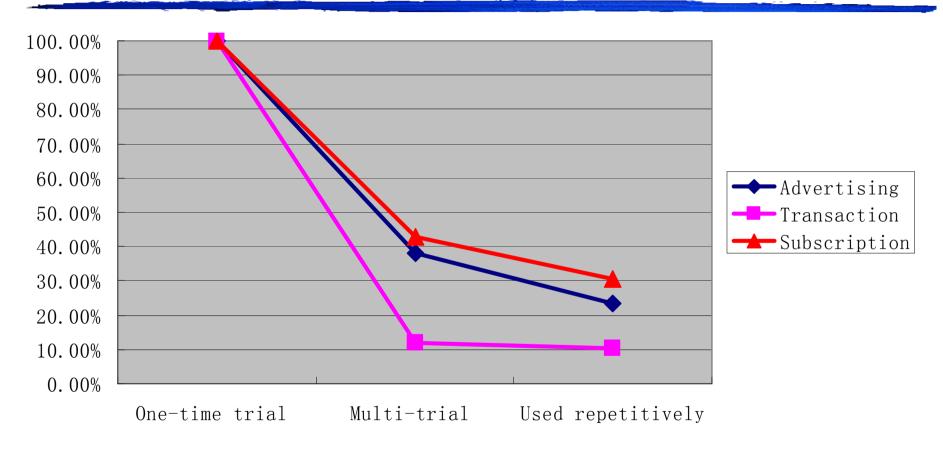
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Smartphone	number	number	Smartphone	number	number			
Service	of tryers	of users	users Service		of users			
Advertising			Transaction					
Maps	90.00	36.00	Opera Mobile	42.00	13.00			
Opera Mini	48.00	27.00	TomTom	23.00	8.00			
Visual Radio	139.00	22.00	Photo Print	15.00	0.00			
WidSets	31.00	14.00	Music store	11.00	0.00			
Google Mail	35.00	13.00	Total	91.00	21.00			
Fring	26.00	11.00	Average	22.75	5.25			
Google Maps	33.00	9.00						
Search	60.00	5.00	Subscription					
Internet Radio	16.00	5.00	Na∨icore	57.00	33.00			
Lifeblog	72.00	3.00	Elisa Mobi	23.00	4.00			
Channels	37.00	3.00	Na∨igation	17.00	2.00			
MSN	16.00	2.00	Total	97.00	39.00			
Landmarks	26.00	0.00	Average	32.33	13.00			
Total	629.00	150.00						
Average	48.38	11.54						





Subscription Stickier



A bigger portion of tryers turn to be users on average





Examples of Analysis

- Nokia Visual radio
- Nokia Internet radio
- Opera Mini
- Google Maps

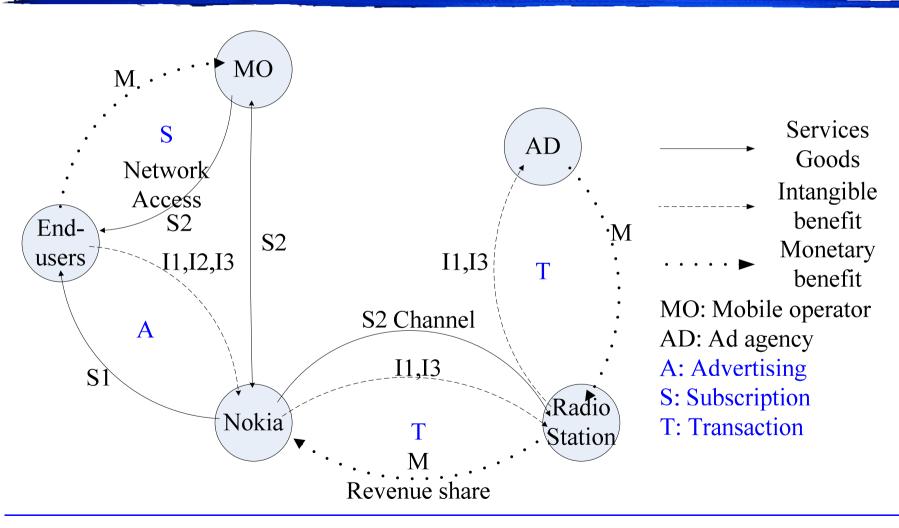






Nokia Visual Radio

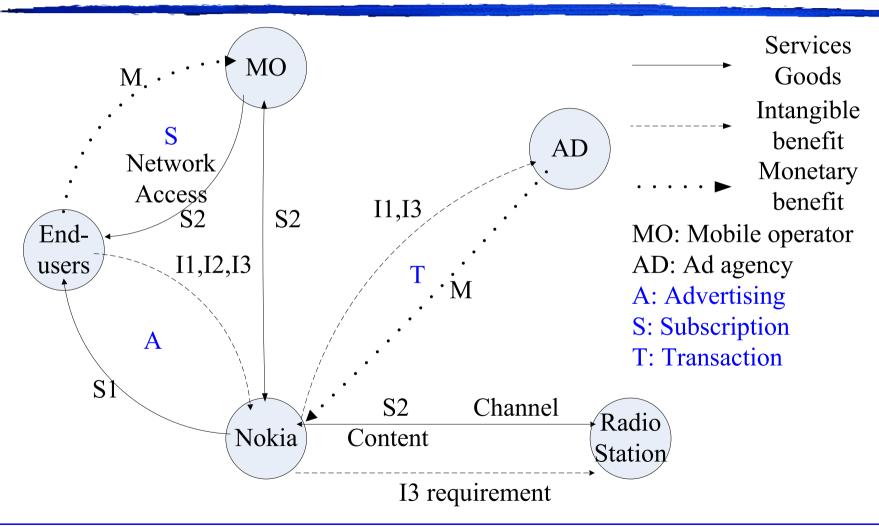








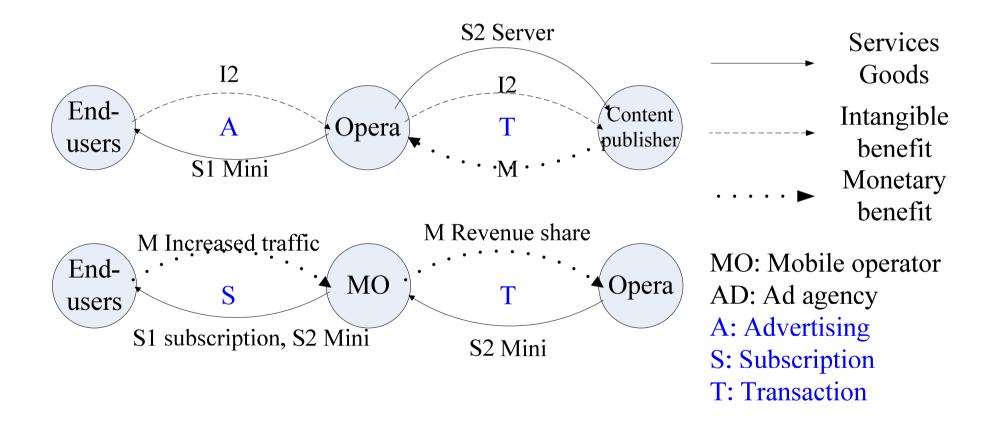
Nokia Internet Radio







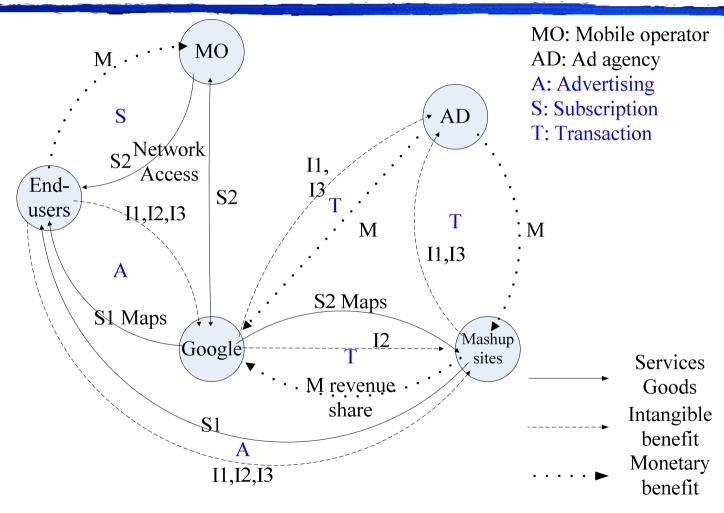
Opera Mini







Google Maps







Classification of Ad Models

Four general ad models derived from case studies:

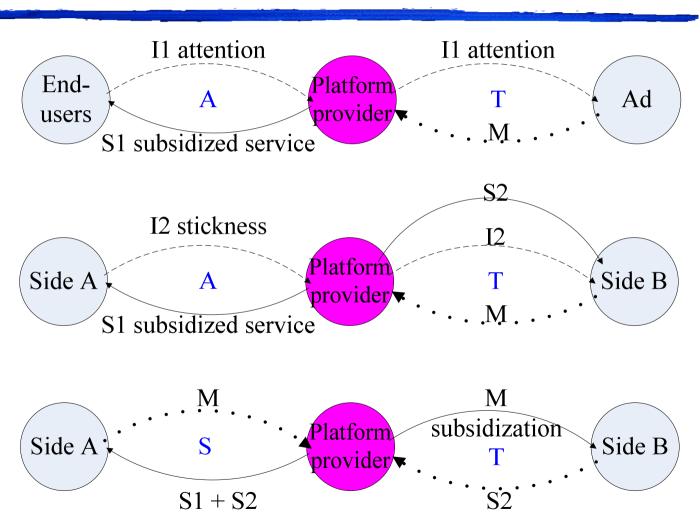
- Two-sided market
 Opera Mini, MSN, Google Mail,
- Double two-sided market
 Visual radio, Nokia web & image search,
- Three-sided market
 Internet radio, Channels, Widsets,
- Hybrid
 Google maps, Lifeblog, Nokia maps,
 Nokia local search,





Two-Sided Market

Platform provider subsidizes one side and makes money from the other side.

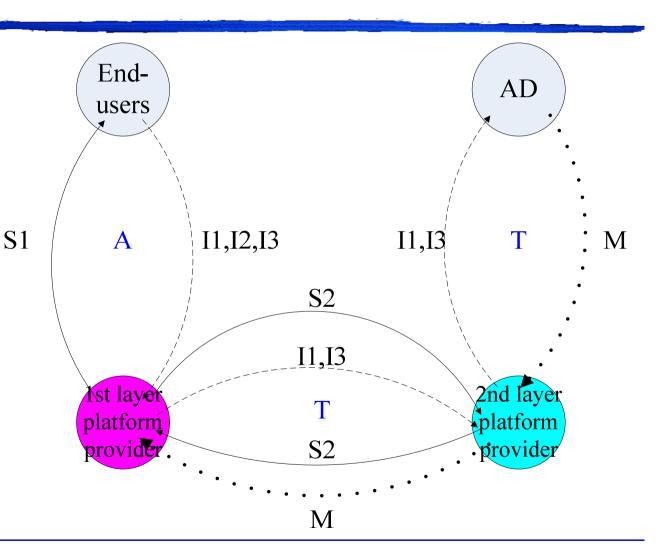






Double Two-Sided Market

Two actors at different layers (from service provision viewpoint) adopt two-sided market simultaneously.

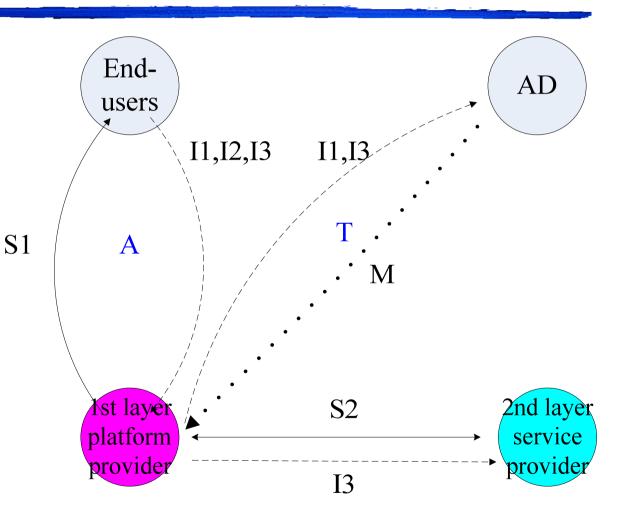






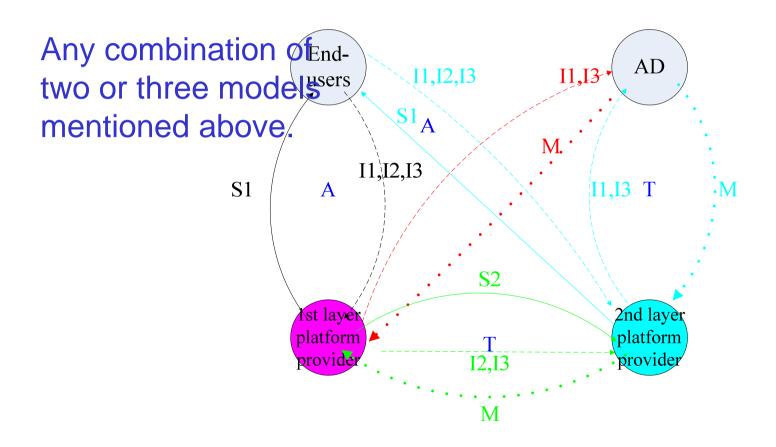
Three-Sided Market

1st layer platform providers have three sides, i.e. customers, 2nd layer service providers and ad agencies.













Conclusion

- Advertising model outperforms in general
- No single orchestrator of value networks visible
- Limitations of this research method
 - No commonly accepted interaction framework
 - Nokia's strong influence in the Finnish market
 - Services in introduction stage, future unclear
 - Usage measurement data limited

