Stream Wars

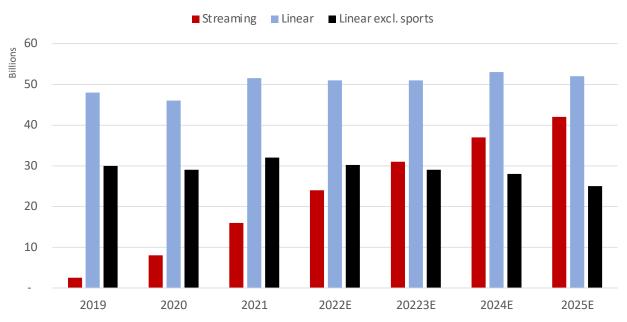
An interactive game to explore power dynamics emerging from negotiations between film and TV streamers, talent, and consumers

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Submitted to the 2023 System Dynamics Conference

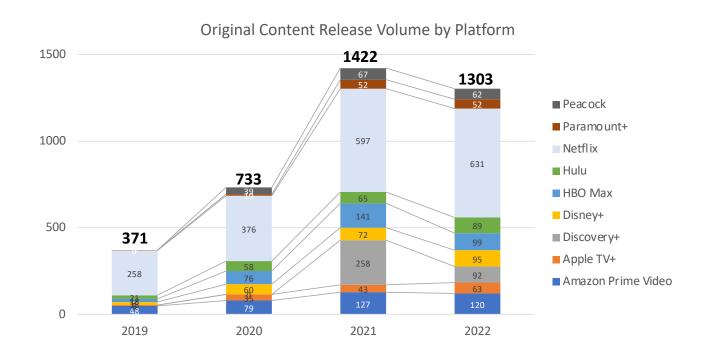
Streamers continue growth in content spending





Source: Company Reports, Wells Fargo - https://variety.com/vip/content-spending-levels-at-top-media-companies-2023-forecast-1235440145/Note: Data reflects only media comparies with linear operations

Streaming is maturing, hitting saturation in some markets and still growing in others (1)

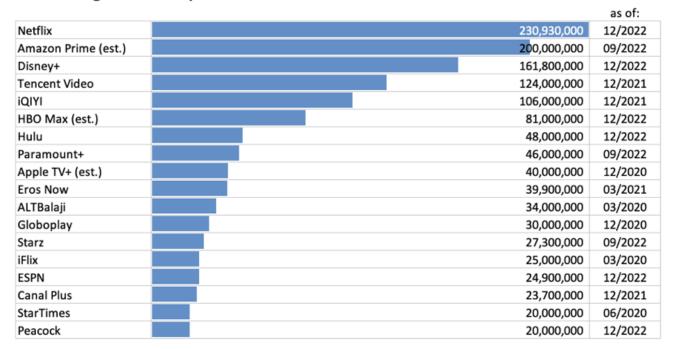


Source: Diesel Labs - https://variety.com/vip/content-spending-levels-at-top-media-companies-2023-forecast-1235440145/
Note: Includes TV shows and movies: subsequent seasons of shows do not count separately.

2022E includes unreleased content through end of year; Paramount+ includes legacy CBS All Access content

Streaming is maturing, hitting saturation in some markets and still growing in others (2)

Streaming Services by Subscribers in the World



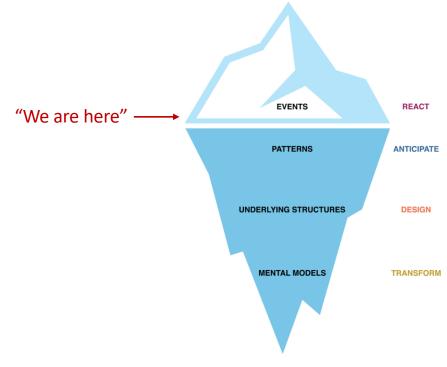
Source: FlixPatrol - https://flixpatrol.com/streaming-services/subscribers/

As a result, power dynamics between streamers and talent are changing fast

- Demands for exclusivity
- Long-term deals for multiple projects
- Upfront payments, instead of sharing potential upside
- Focus on Intellectual Property control

Why does a talent agency need a game?

- We sit at the intersection of talent and platforms
- Facing fast change and disruption
- Need to build systems thinking skills quickly
- Diverse teams with diverse backgrounds
- Limited time for training
- Teambuilding is an important objective
- Data use is on the rise, but we're still at the event level of the iceberg – need to build strategic, long-term thinking skills



Source: https://www.researchgate.net/figure/Systems-thinking-process-iceberg-model_fig1_327262141

"Stream Wars":

- A live simulation game, inspired by the Beer Game, to explore the dynamics of competition and content creation in the video streaming industry
- Hands-on exploration is more effective than lecturing about dynamics
- A way to visualize and experience future scenarios that will impact the work we do over the next 3-5 years

"Stream Wars":

- Explores the balance of power among Streaming Platforms, Talent and Consumers
- Shows strong dependence on initial conditions
- Material flows and information flows, in the form of filmed content and money/pricing signals

Four Teams, 32 people in total

Objective: Earn the most money for your team over 10 rounds

Consumers



"Watch" as many titles as possible to improve their odds of winning the endgame award

In every round:

- Decide which subscription to buy
- Get a salary from the Bank

Studio+



Platformix



Each platform starts with seed money and a catalog of premade titles to launch their service

In every round:

- Decide a price for their subscription
- Decide how many titles to buy from Talent, and how much to pay

Talent



Talent starts with no money, just art supplies (starving artists)

In every round:

- Make as many titles as possible (represented by movie posters drawn on 3x5 index cards)
- Negotiate with the Platforms to sell titles

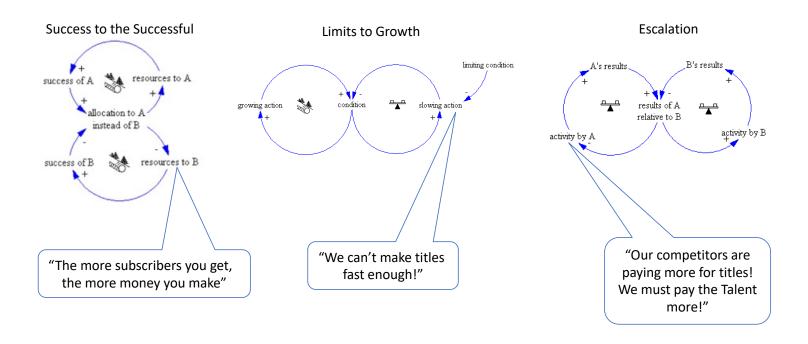
Endgame: Awards Season

- Gameplay element needed to motivate consumers to watch as many titles as possible
- Compare:
 - <u>Top 5 Titles</u> selected by Consumers
 - <u>Top 5 Titles</u> selected by Talent
- If at least one title is on both Top 5 lists, a cash award is issued:
 - \$500 to the Consumers' Cash Pool
 - \$1000 to the Talent Cash Pool
- The team with the most money at the end of the game wins



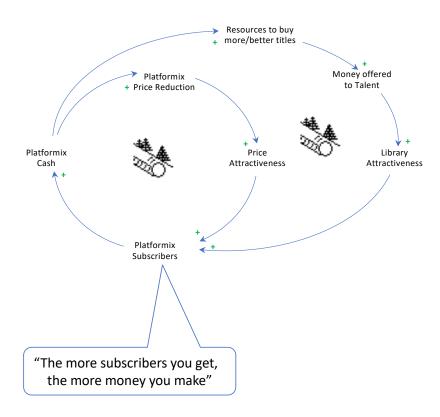
Photo by Unknown Author is licensed under CC BY-SA

Some Dynamics at work:

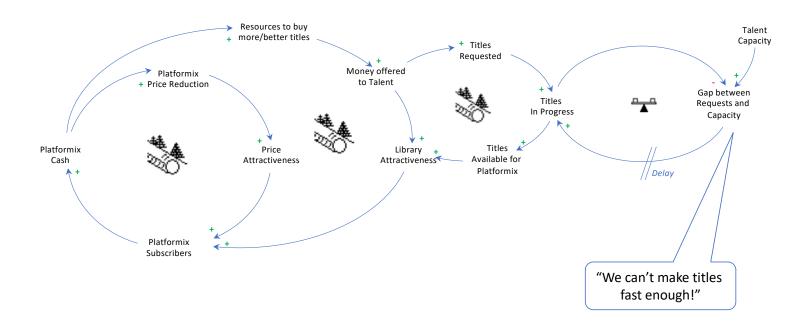


Source: https://en.wikipedia.org/wiki/System_archetype

Success to the Successful:



Limits to Growth:



Escalation: "Our competitors are paying more for titles! We must pay the Talent more!" Resources to buymore/better titles Talent Capacity + Titles Requested by + Money offered Platformix Platformix to Talent by Platformix + Price Reduction Gap between Titles Requests and In Progress Capacity Platformix Titles Price Platformix Library + Cash Available for Attractiveness Attractiveness // Delay Platformix Titles Platformix Available for Subscribers Studio+ Titles Requested by

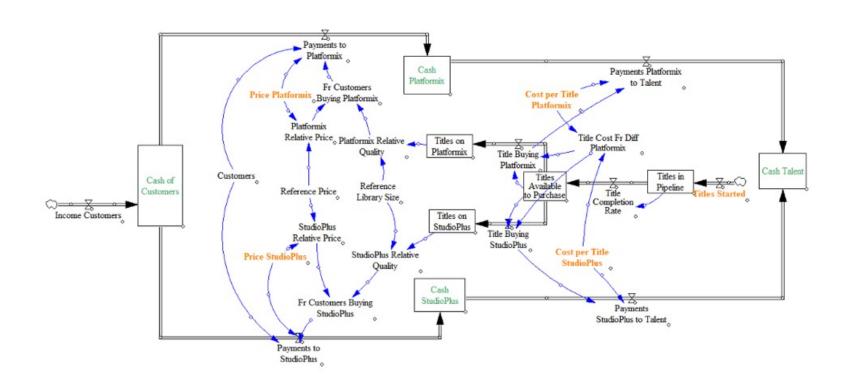
Money offered to Talent by Studio+

Studio+

Subscribers

Studio+

A simulation model was used to test initial conditions and ensure fair gameplay



Game Results

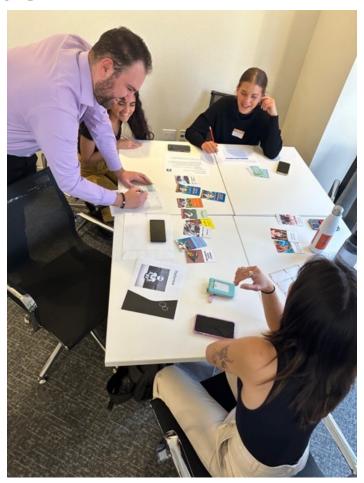
Early round negotiations...



The Talent's creative process



Platformix signing up a subscriber



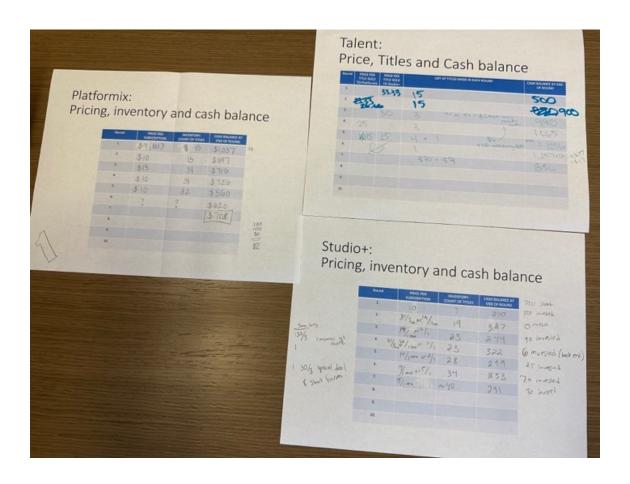
Studio+ putting up a fight!



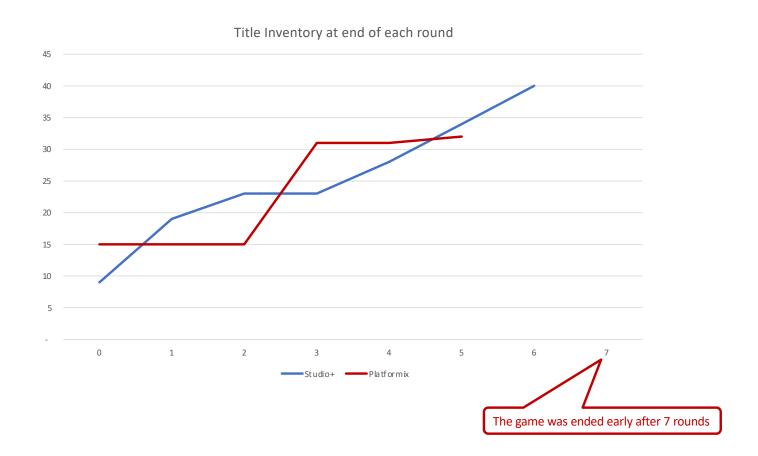
Josh (from Platformix Productions) tried to get around Becca, the agent. It got heated



Accounting Sheets (it got messy quickly)



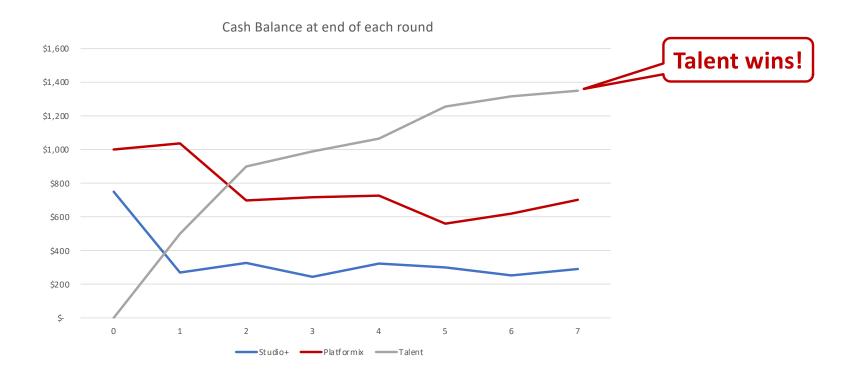
Game Results: Title inventory



Game Results: Price per Subscription



Game Results: Cash Balance for each team



Endgame and Key Insights

 None of the Consumers' Top 5 titles coincided with the Talent's Top 5 titles, so no cash award was issued

Key insights:

- Information flows were imperfect: Talent did not have data to understand what the consumers wanted
- Path dependence: Early negotiations determined the fate of the platforms
- Time delays: Longer playtime would have led to different outcomes

Thank you!



References

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