

# Connected Worlds: Building Dynamic Storyworlds Using Network Theory

Gerben Grave
Narrative Designer/Game Writer
Multiverse Narratives

#### Who am I?

#### (Freelance) Narrative Designer/Game Writer









Strength in Numbers: Empowering Smaller Devs as In **Person Collectives** 

**Gerben Grave** (Narrative Designer, Multiverse Narratives)

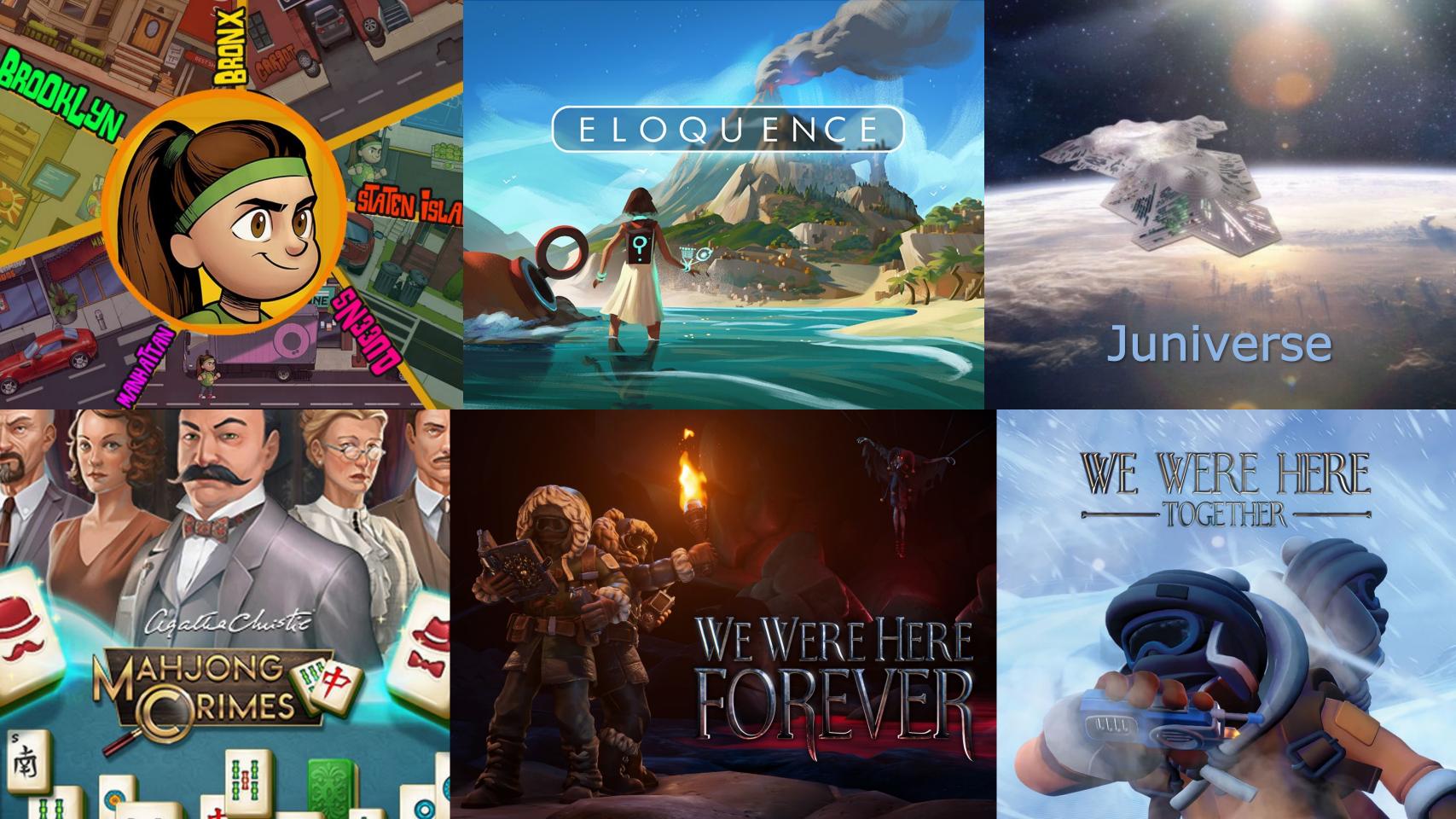
Thomas Jager (Producer, Freelance)

Pass Type: All Access Pass, Core Pass, Summits Pass, Expo Pass, Audio Pass, Independent

Games Summit Pass, Career Development Pass

Topic: (1) Advocacy, 5 Production & Team Management

Format: Session



#### Disclaimer

- What I offer:
  - A method for cohesive worldbuilding
  - A model that measures interconnectivity
  - A toolset that allows diverse expansion

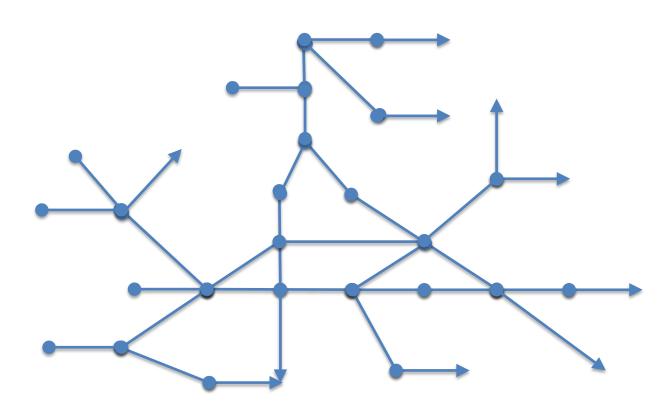
- The following is no substitute for
  - Creativity
  - Creating meaningful content
- Note: Examples made in yEd Graph Editor



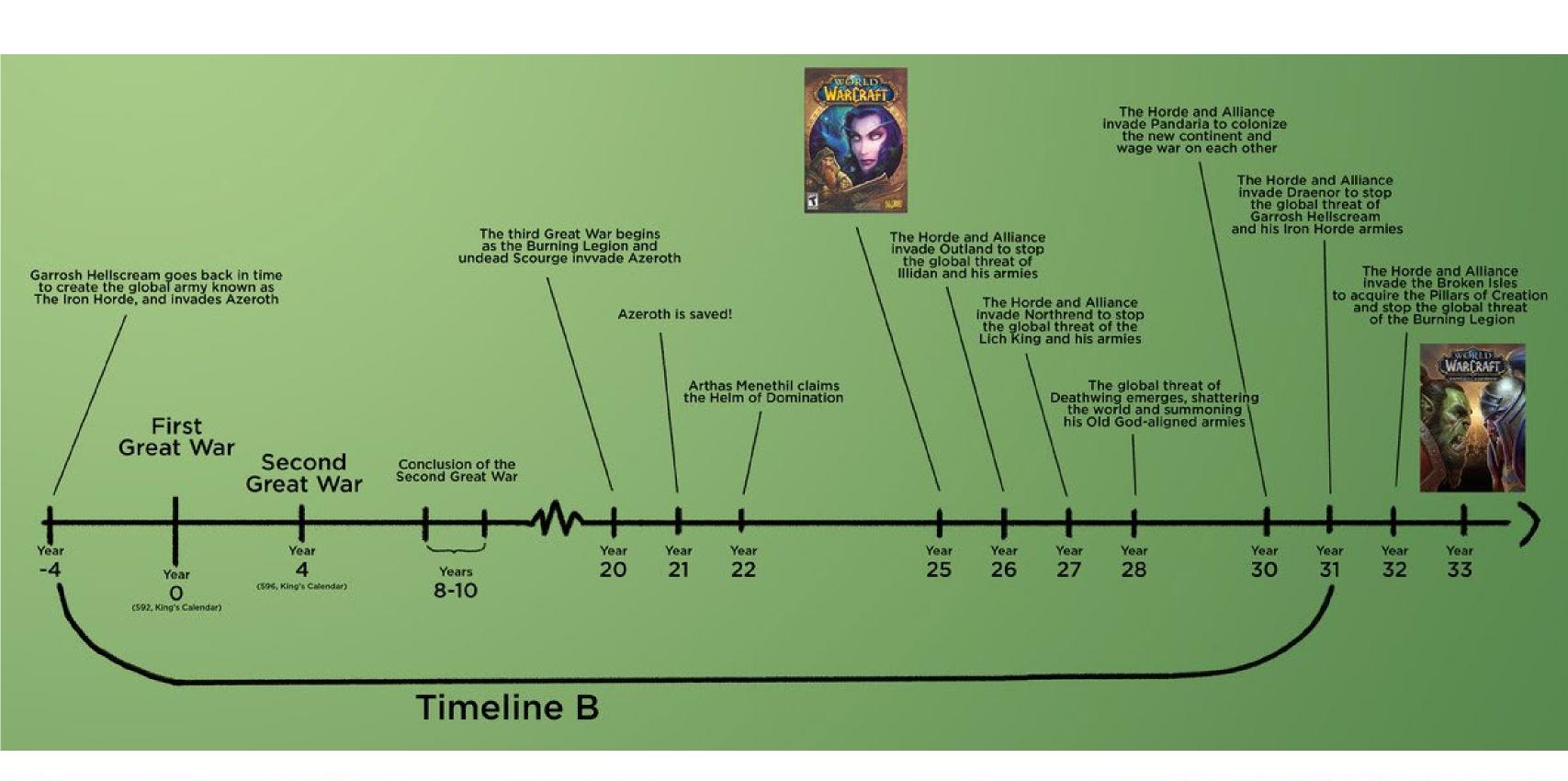
#### Stories

#### Storyworlds



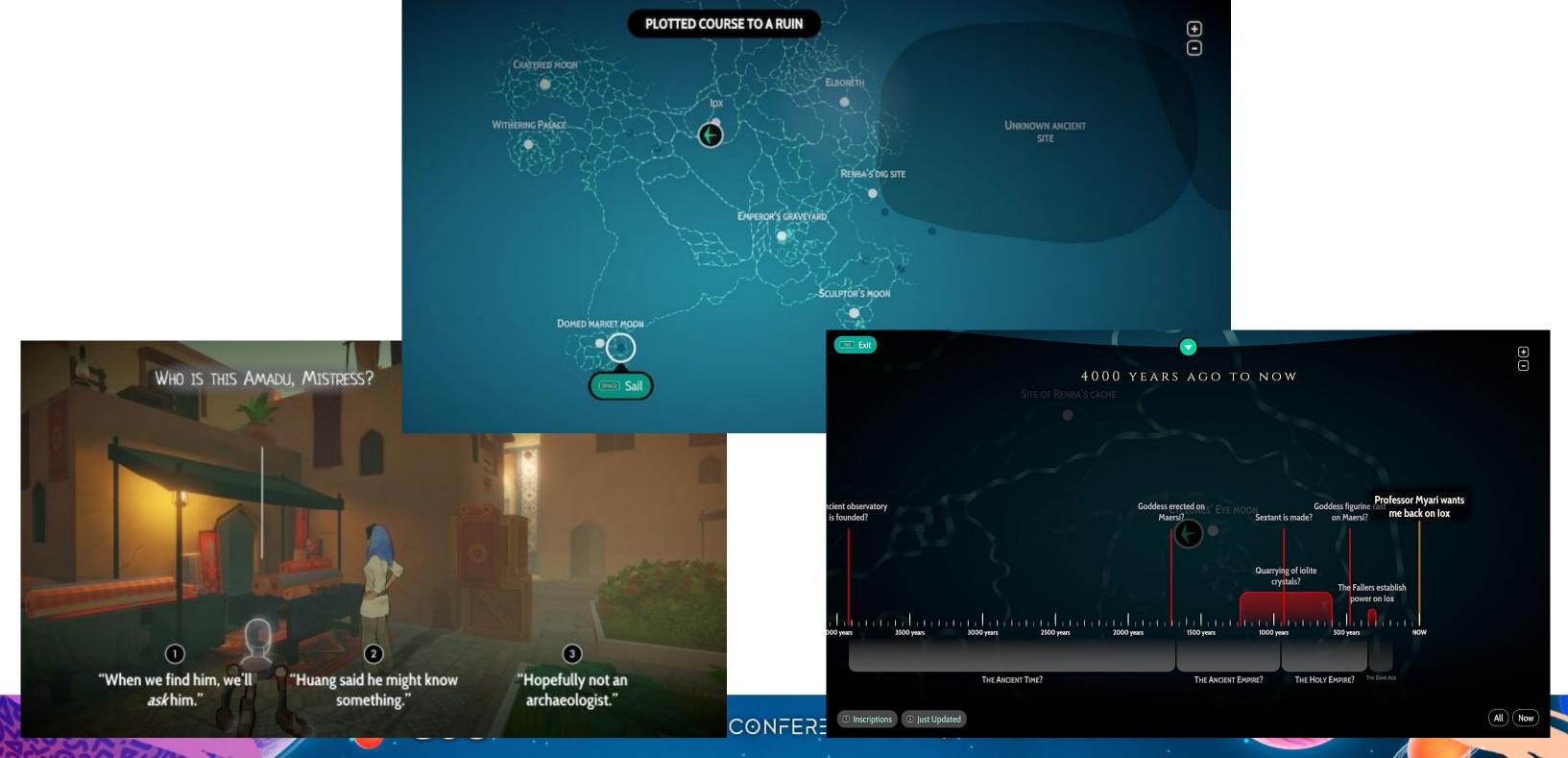






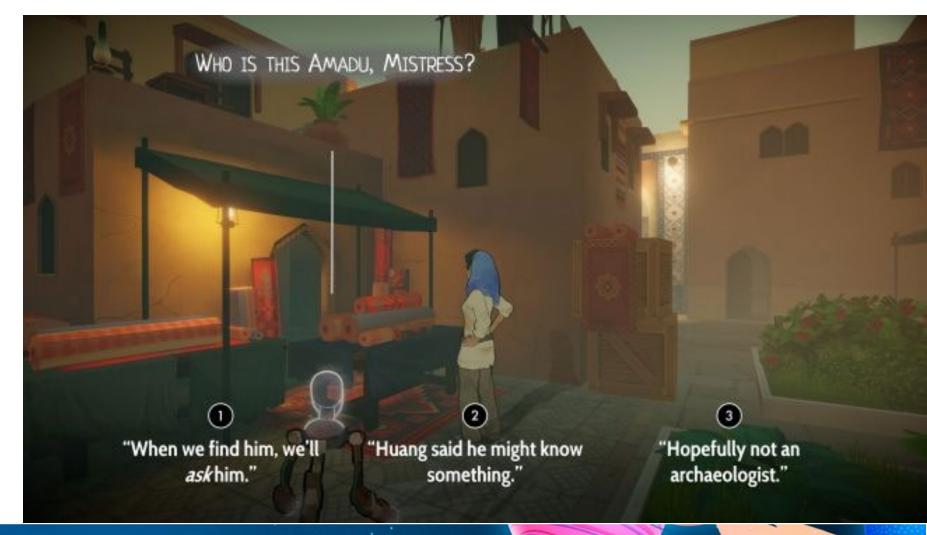


Worldbuilding & Tracking storyworlds



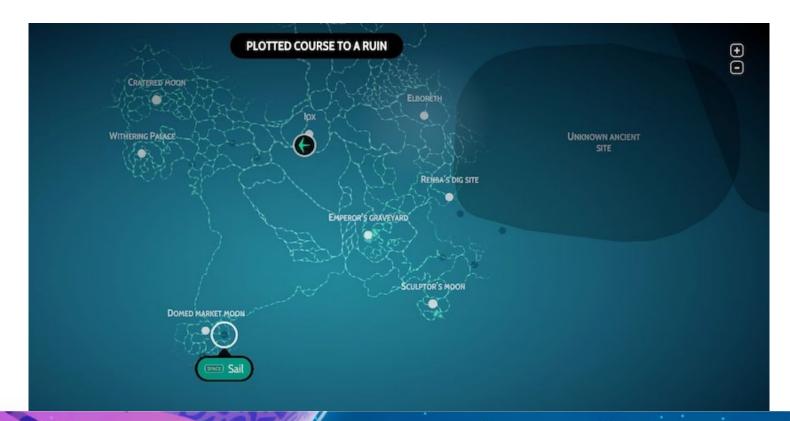
#### Narratives

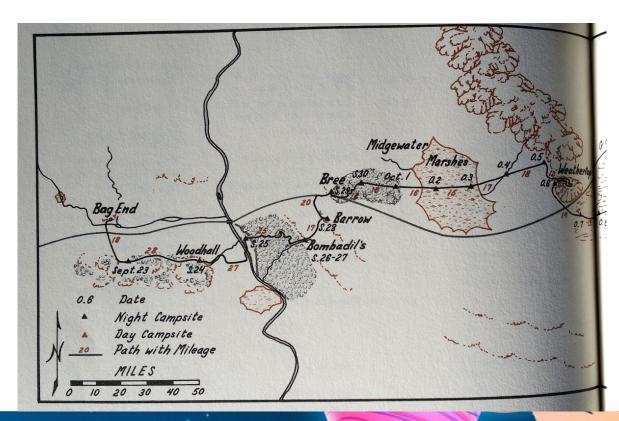
- Characters having a series of events in locations
  - Probably affecting other characters



# Maps

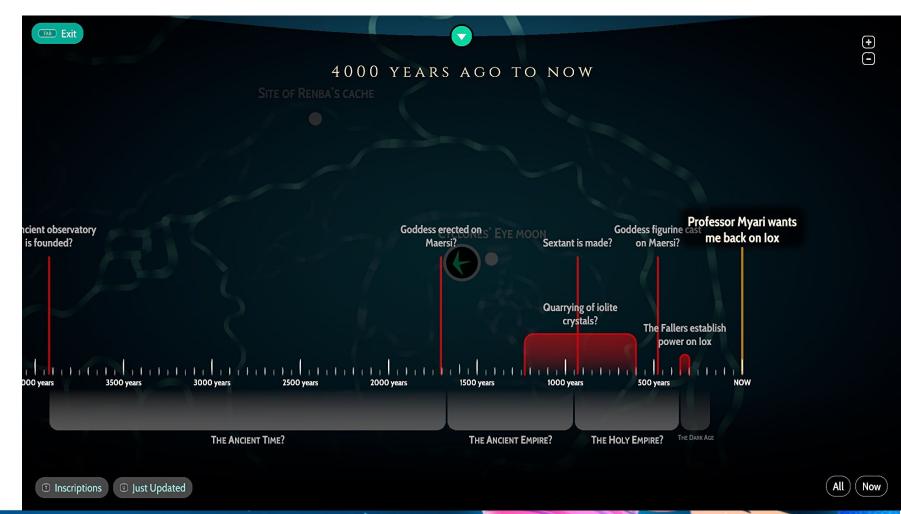
- Collection of locations in relation to each other
- Showing where interesting events occured
- Or where people live





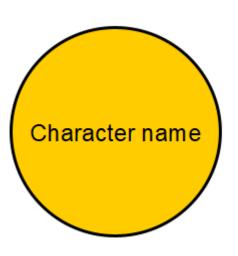
# Timelines (histories)

- Sequence of events
- Showing causality or correlation
- Sequence of events?
  - That's a plot!



#### Characters

- Active agents
- Factions -> Individuals
- Objects -> Attributes of characters
  - Or convert to Characters:
    - Excalibur
    - One Ring
    - Mjolnir



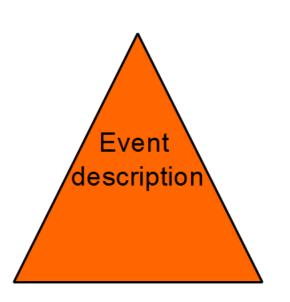
#### Locations

- Physical space
- Places where events happen
- Places meaningful to characters

Location name

#### **Events**

- Events != Moments
- Further reading: Natalie Heinich
- Newspaper worthy
- Events can be embedded in other events
  - The Siege of Minas Tirith
    - Grond breaks the gates
    - The charge of the Rohirrim
    - Theoden is killed



Building a connected world

Add characters = more story (drama)

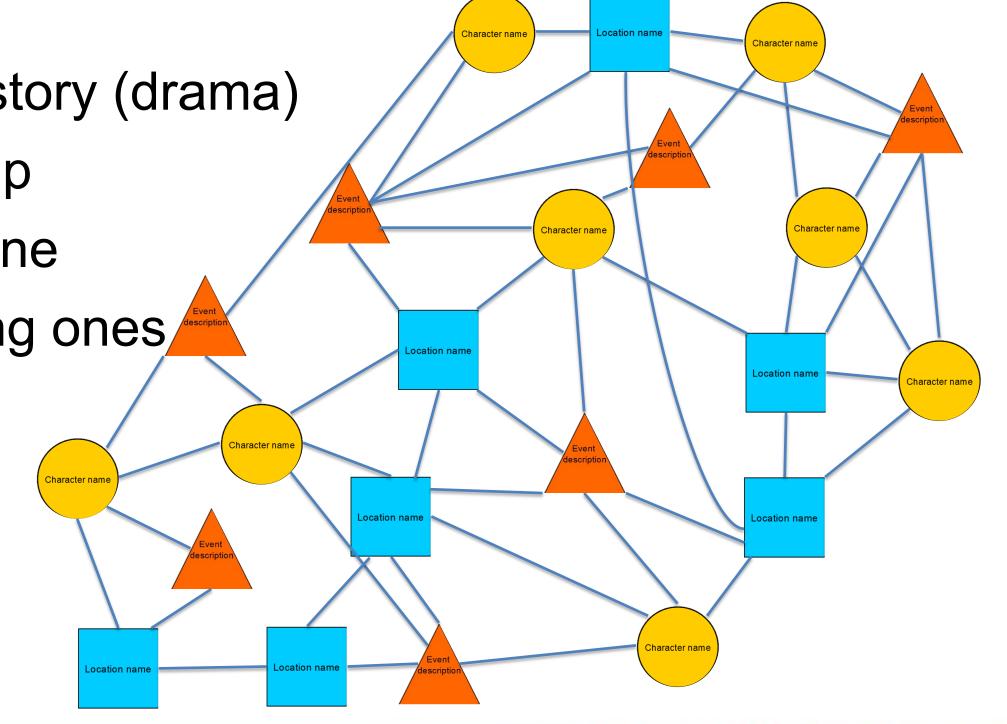
Add locations = more map

Add events = more timeline

Link new nodes to existing ones

• Rule of thumb: ≥2

Preferably 4(?)

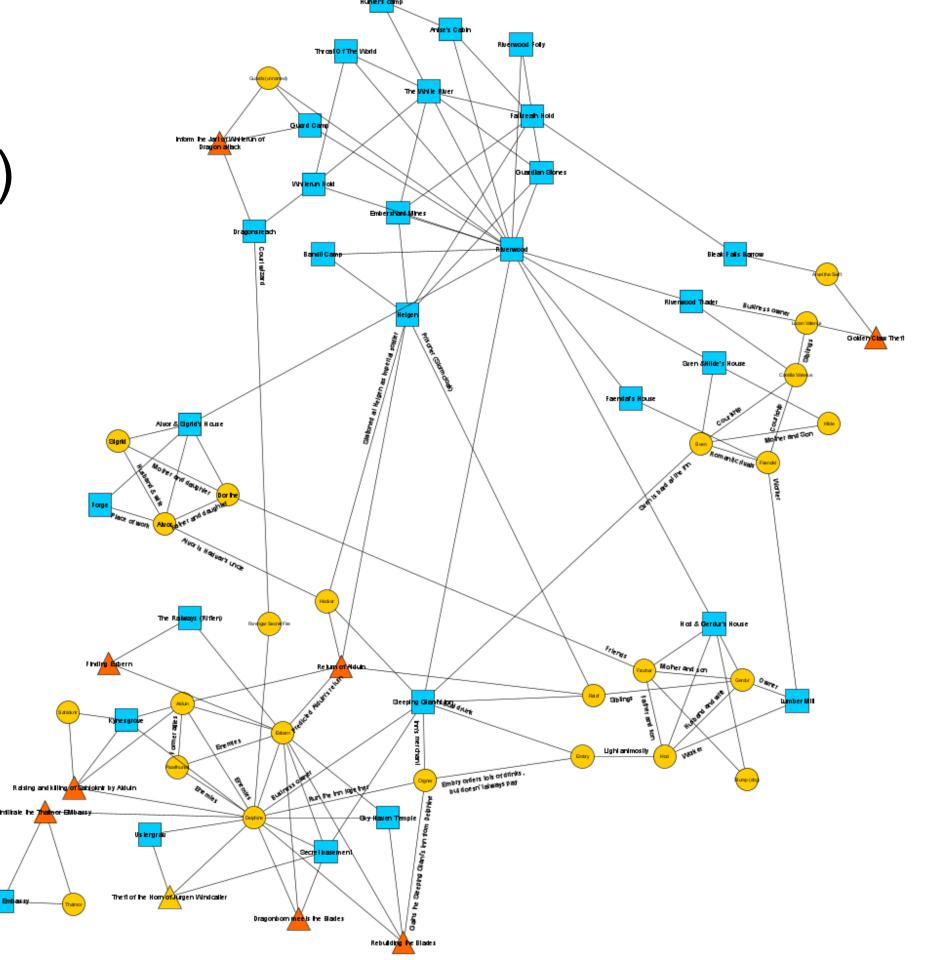


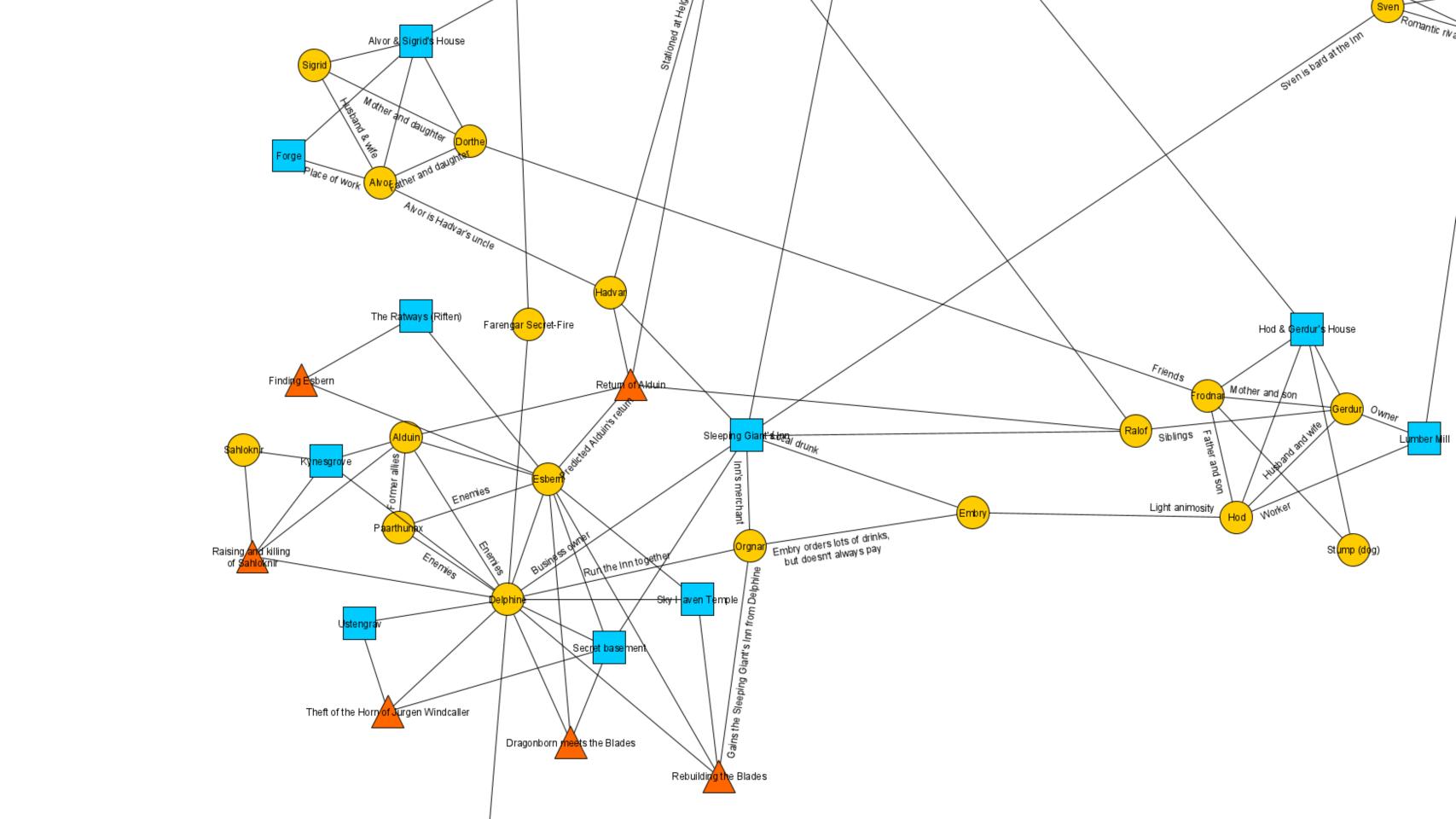
#### Example:

Riverwood (TES V: Skyrim)

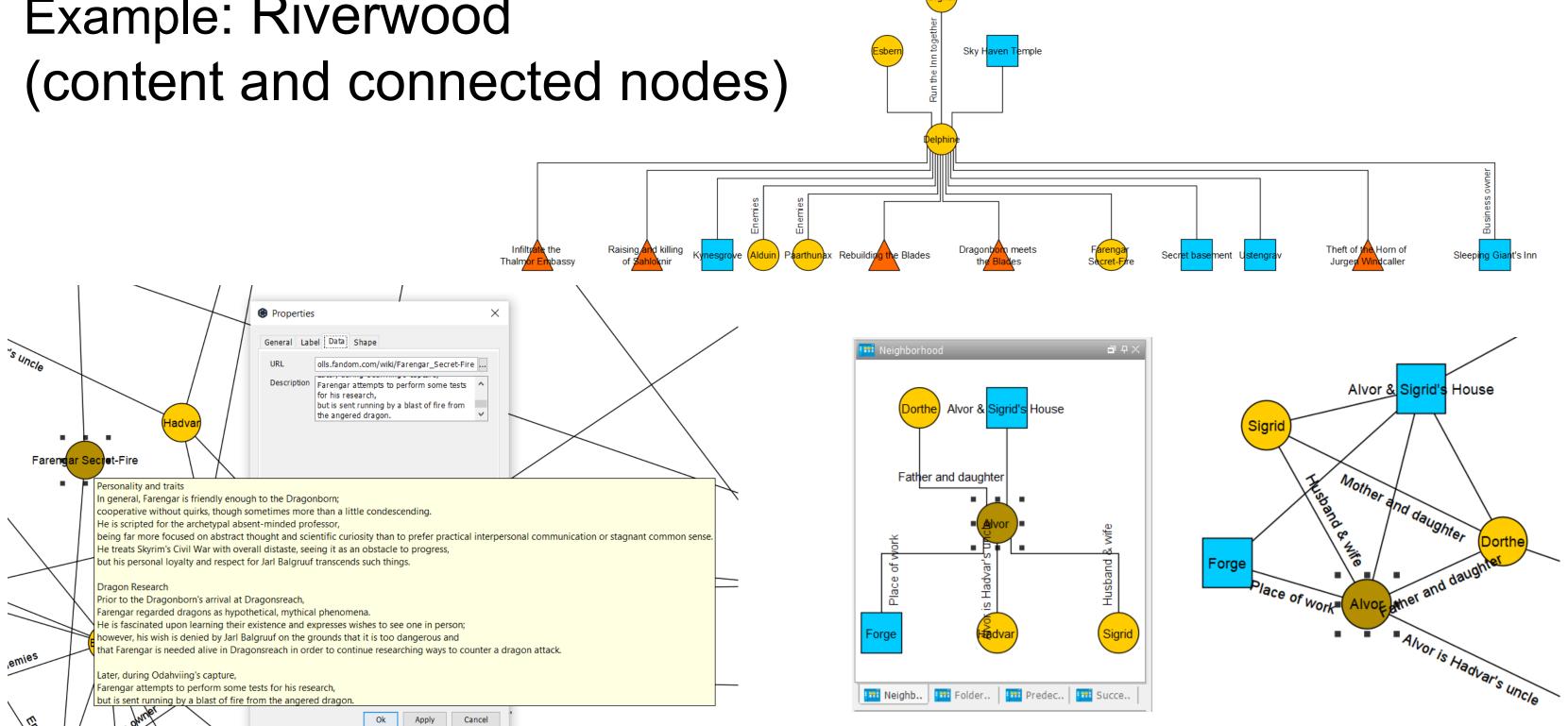
(Bethesda Game Studios, 2011)





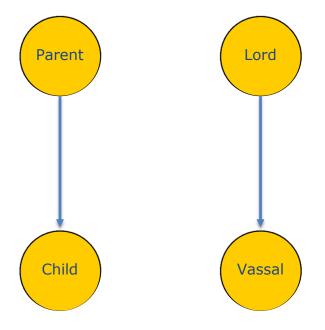


Example: Riverwood

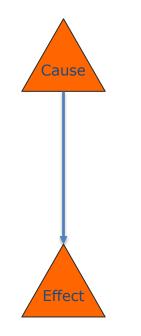


# Hierarchy

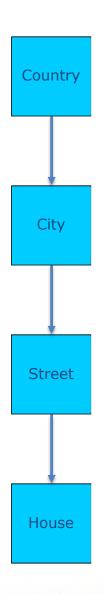
#### Characters



#### **Events**



#### Locations



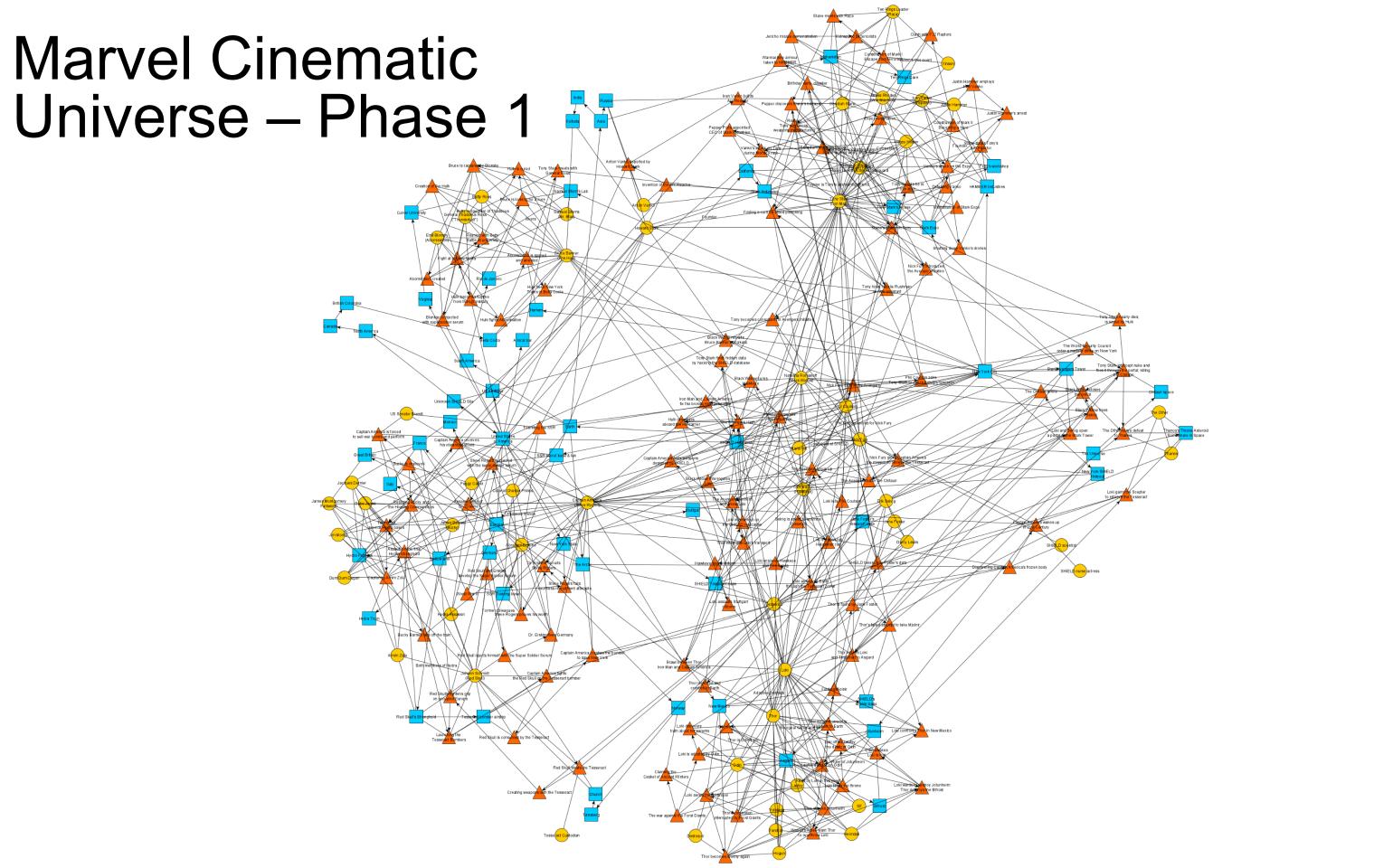


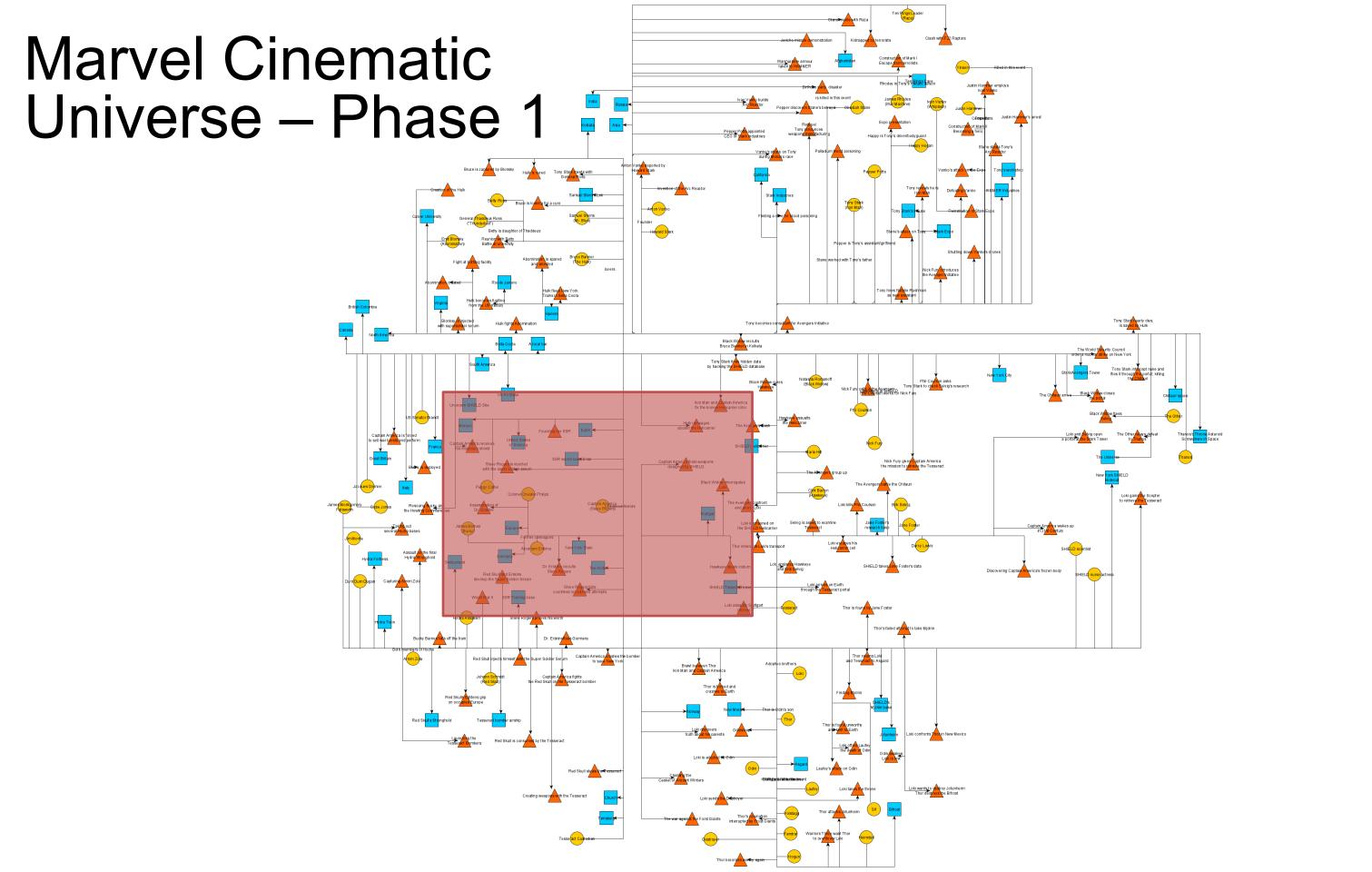
#### Marvel Cinematic Universe – Phase 1

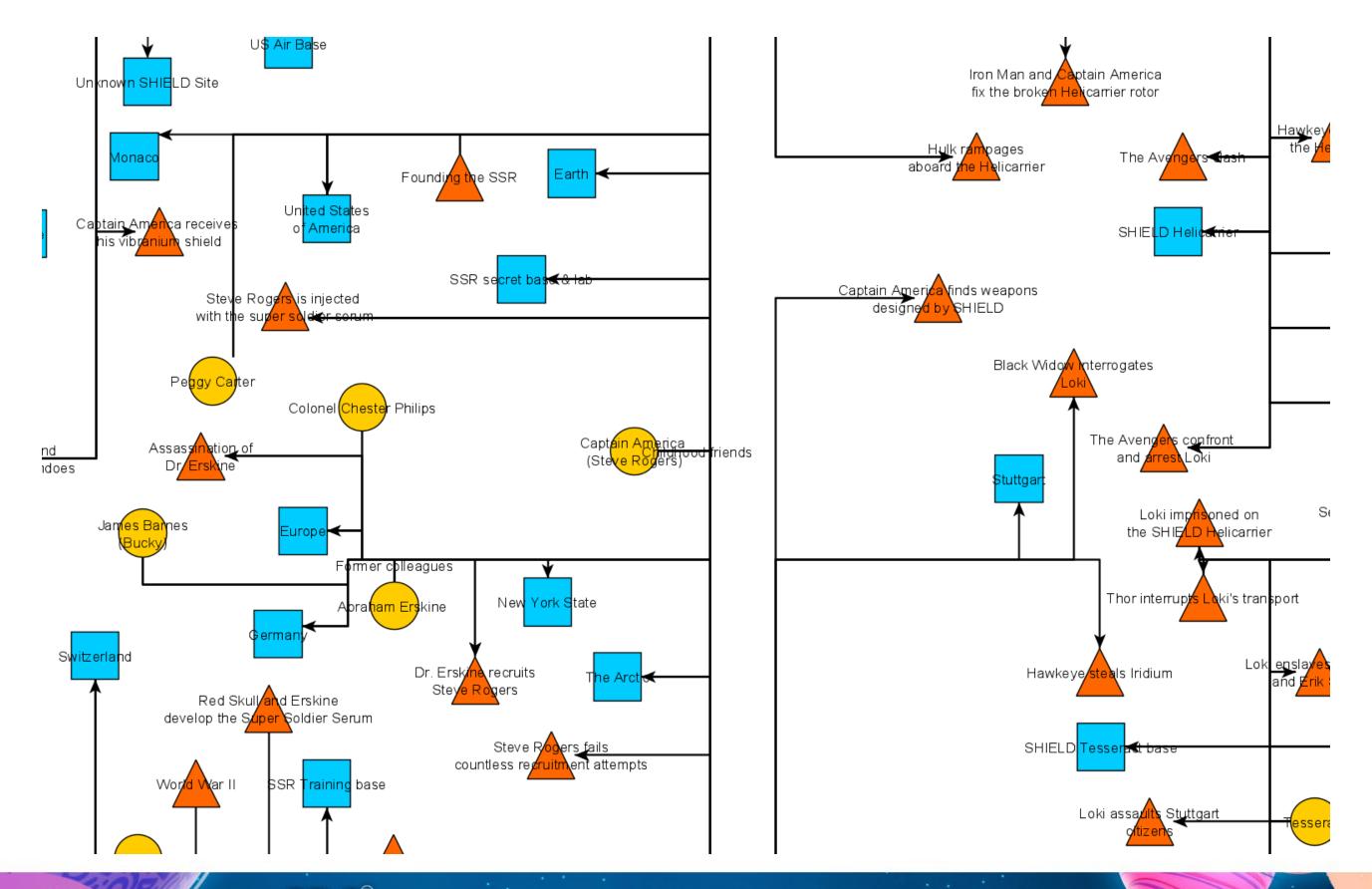


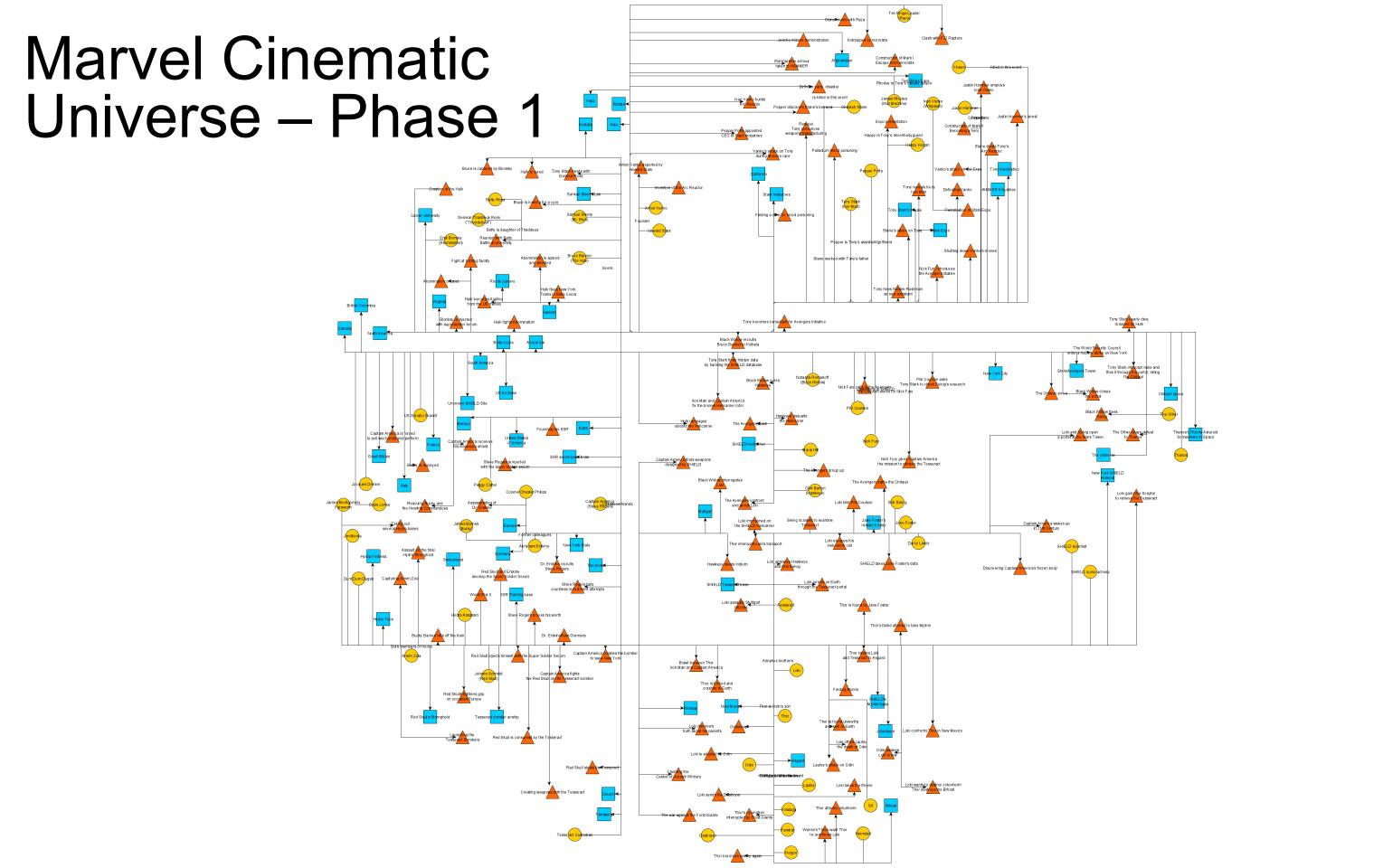






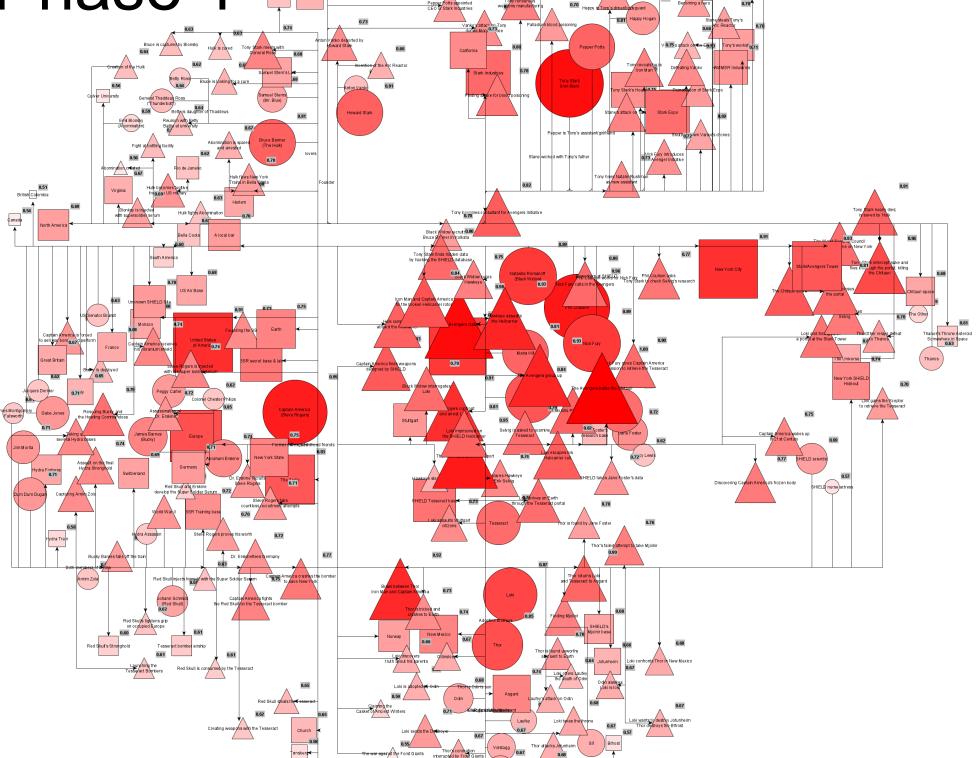






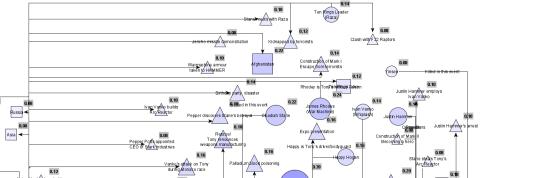
Marvel Cinematic
Universe – Phase 1

#### Closeness

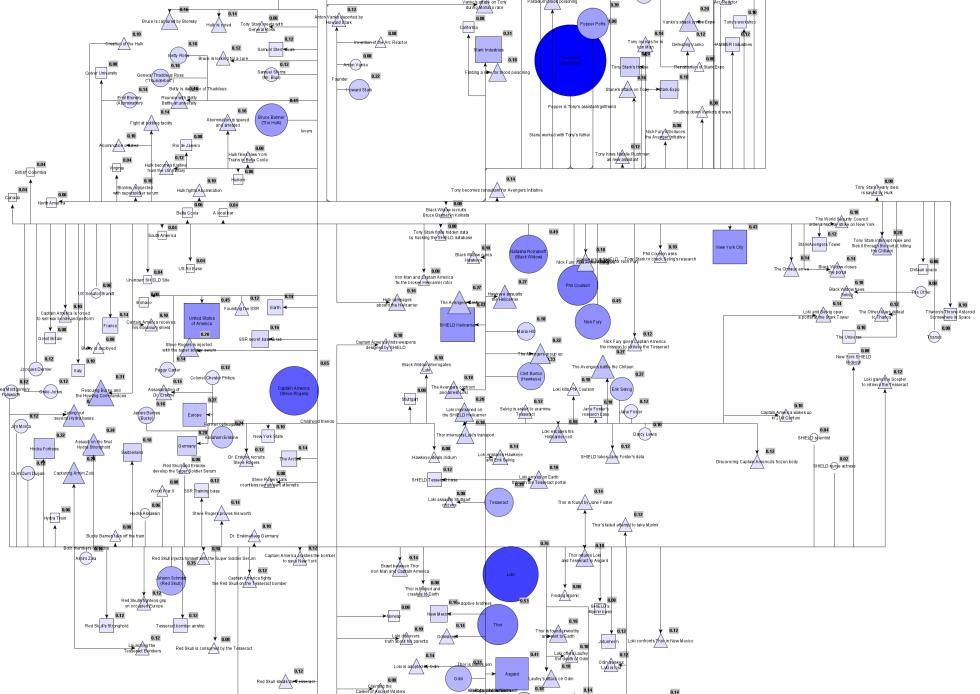


Most central to every node

Marvel Cinematic Universe – Phase 1

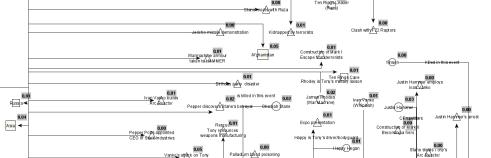


# Weighted connections

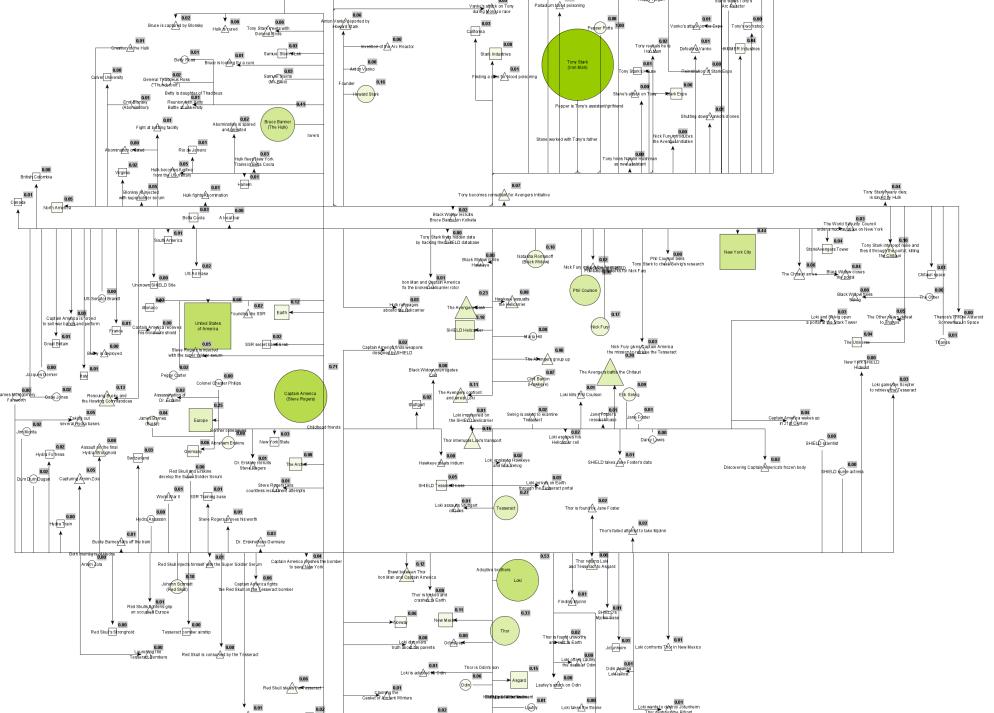


# connections, weighted

#### Marvel Cinematic Universe – Phase 1



#### Node betweenness

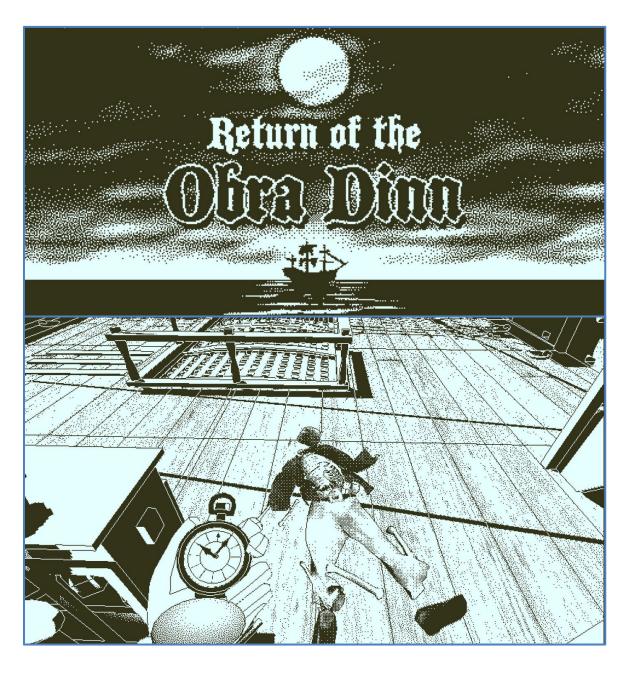


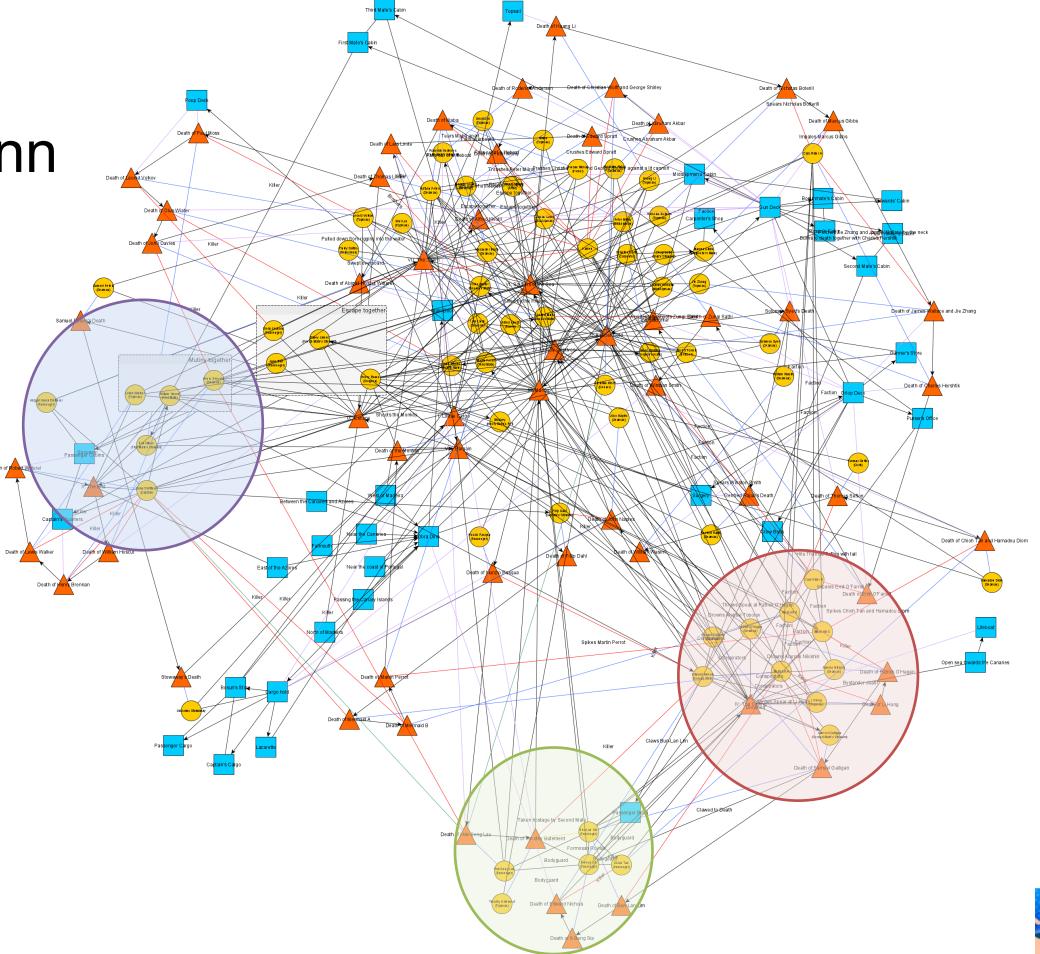
Connections flow through

Organic structures:

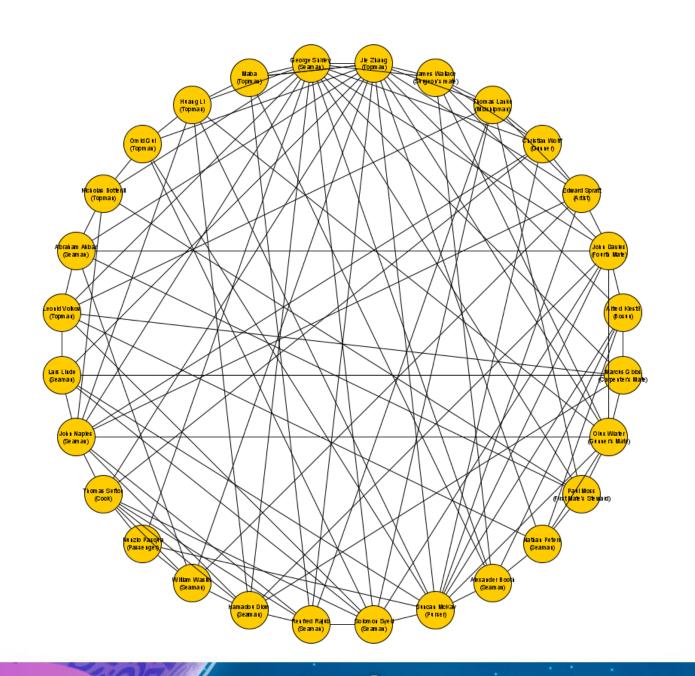
Return Of The Obra Dinn

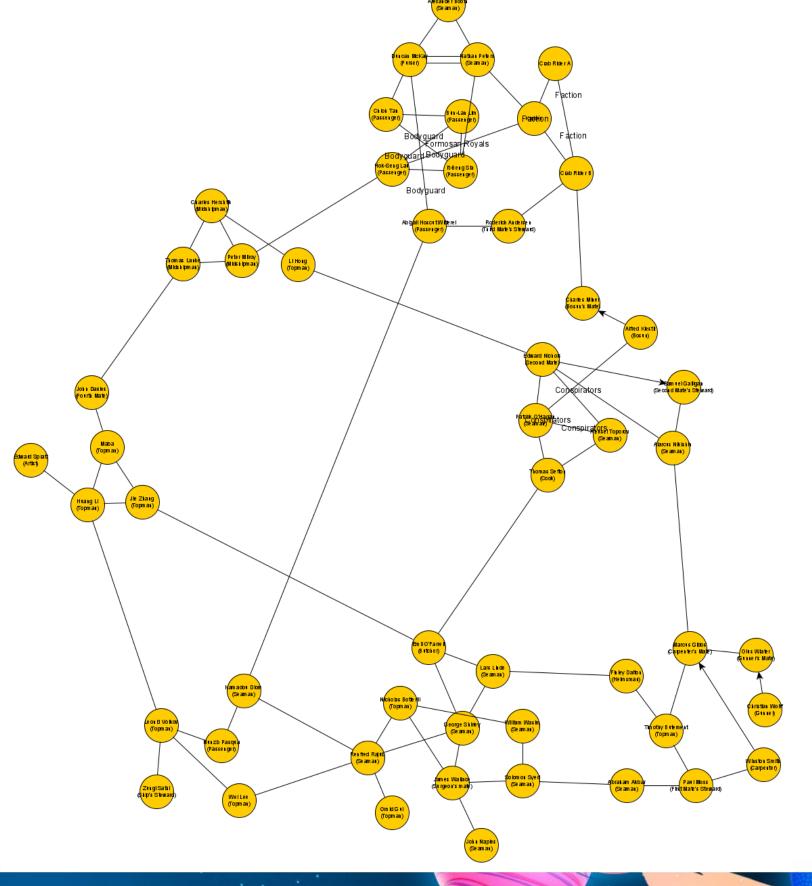
(Lucas Pope; 2018)

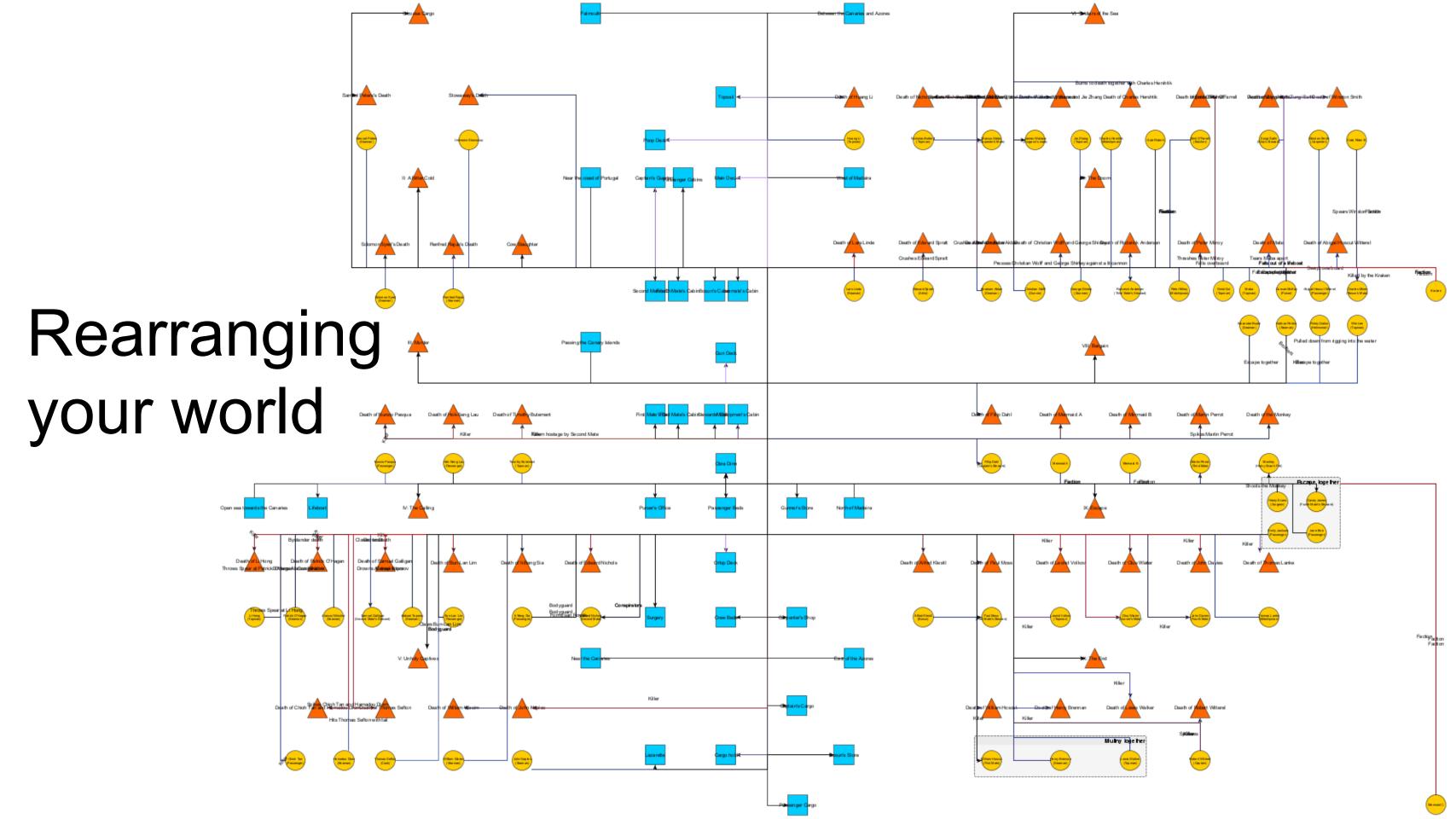




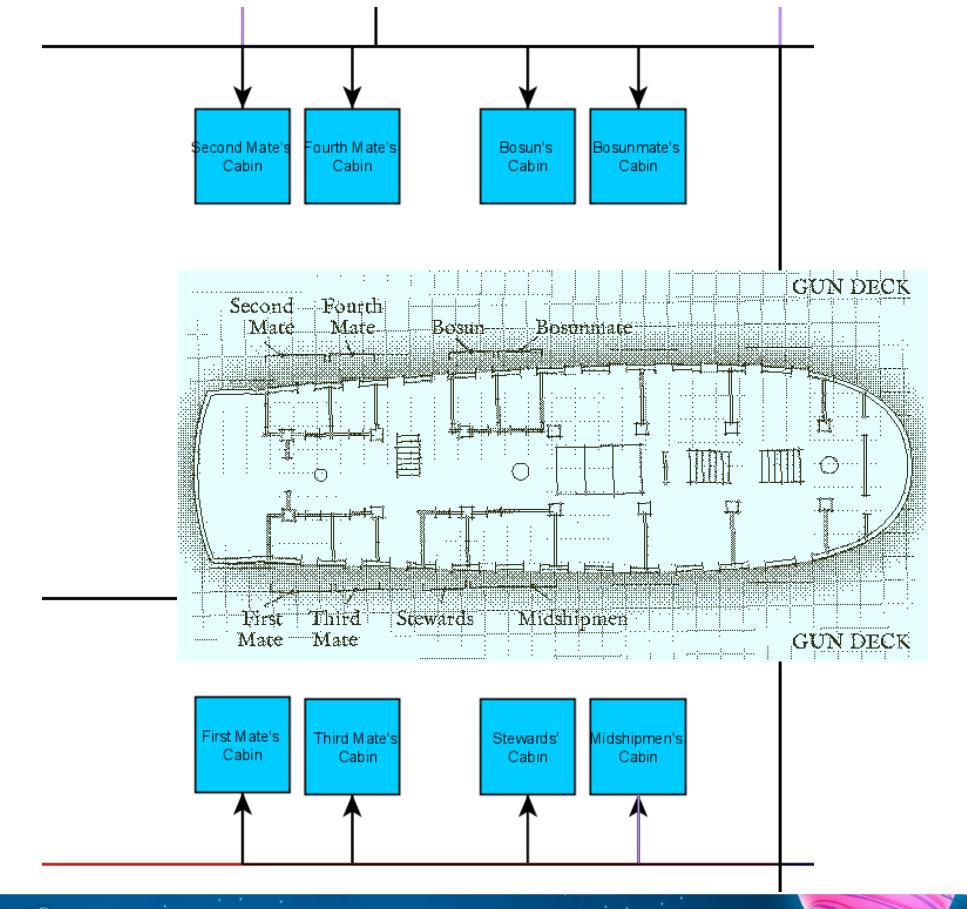
# Organic structures

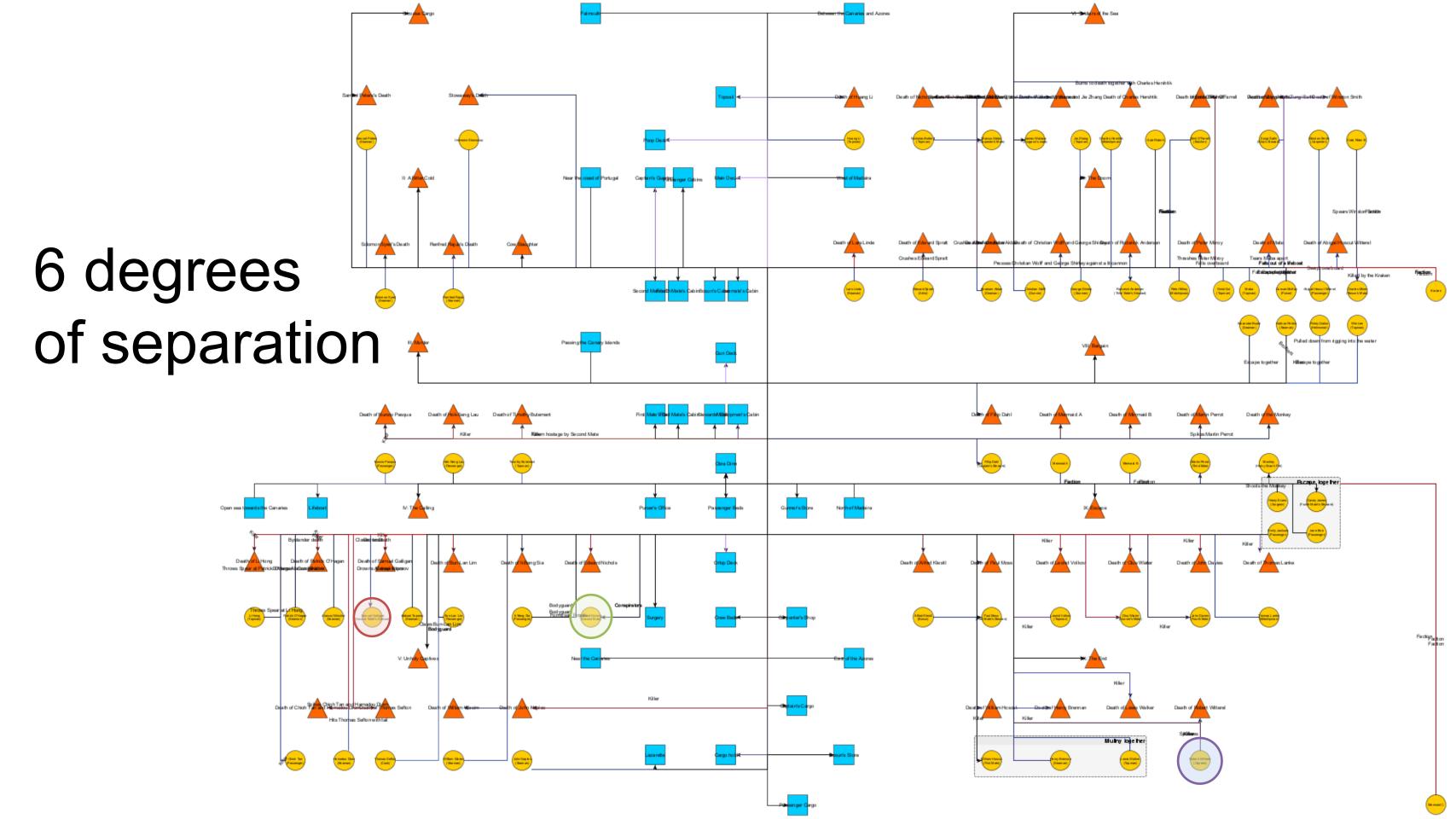




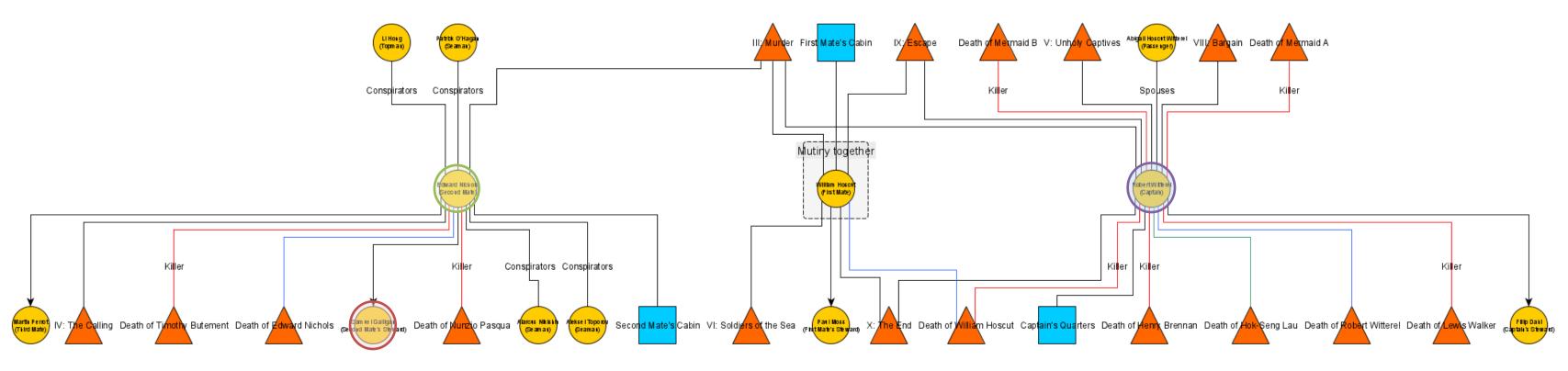


# Rearranging your world





### 6 degrees of separation



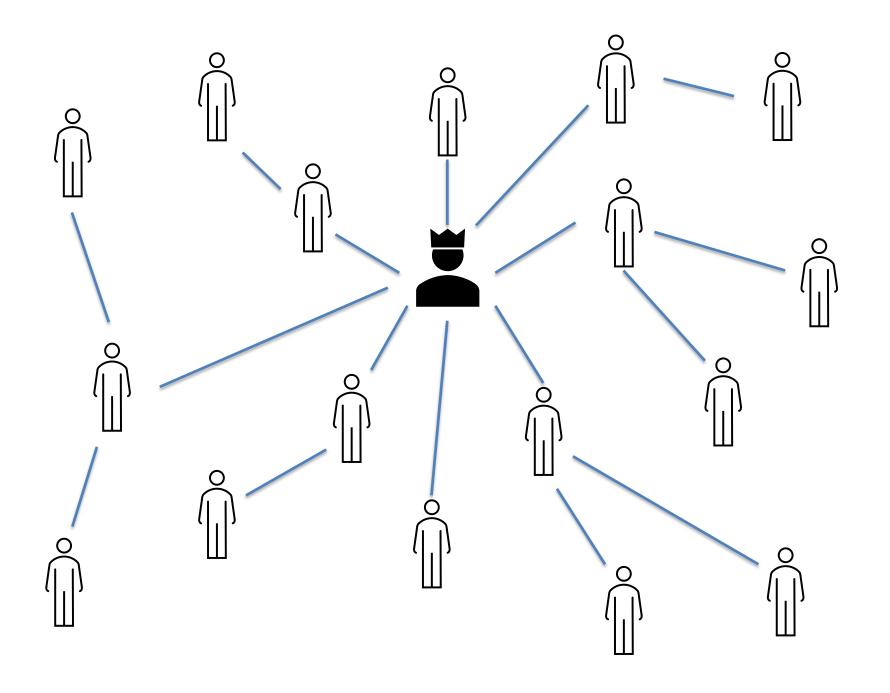
# Bourdieu: Field theory

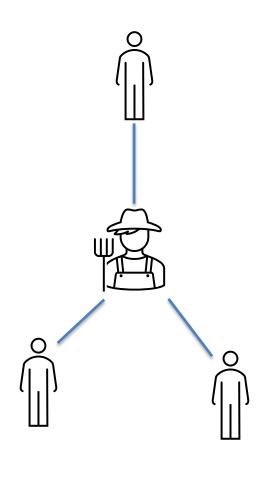
- Capitalism!
- Adds relative positions
- Bigger = more influence
- Likely have more connections



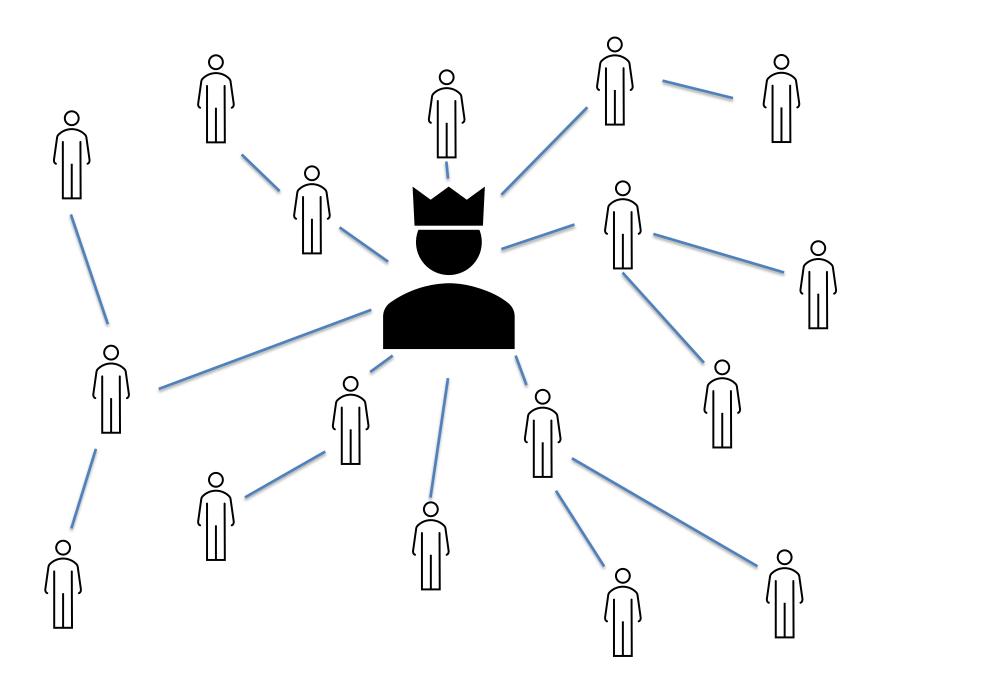
Bourdieu, Pierre. 1996 [1992]. Rules of Art: Genesis and Structure of the Literary Field. Stanford, CA: Stanford University Press.

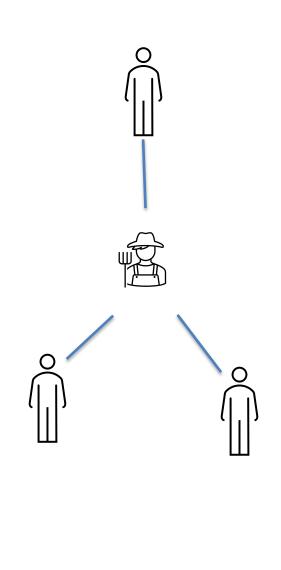
# Bourdieu example



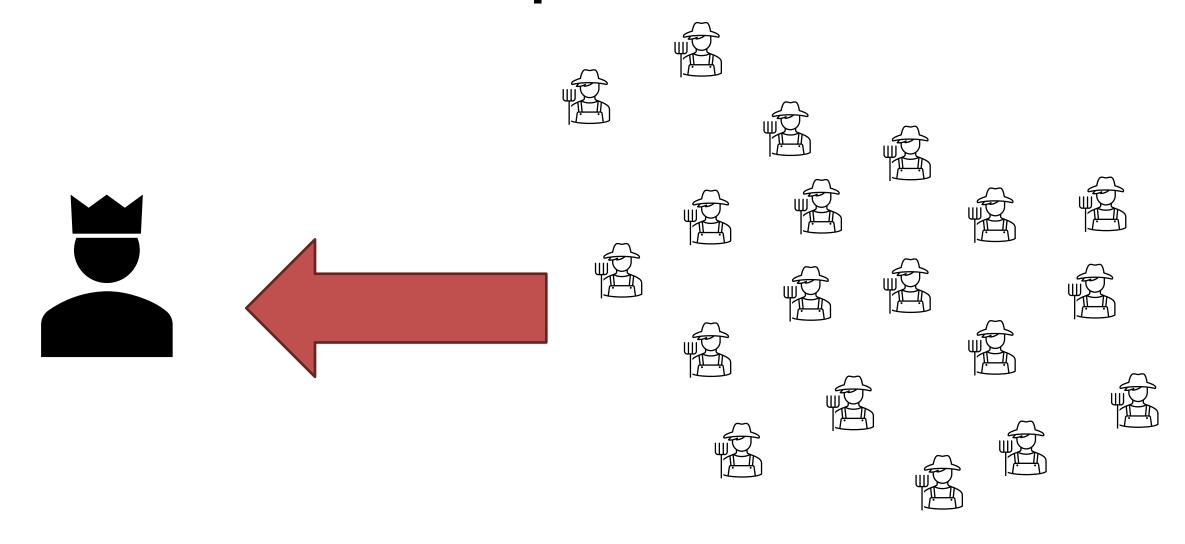


# Bourdieu example: relative power

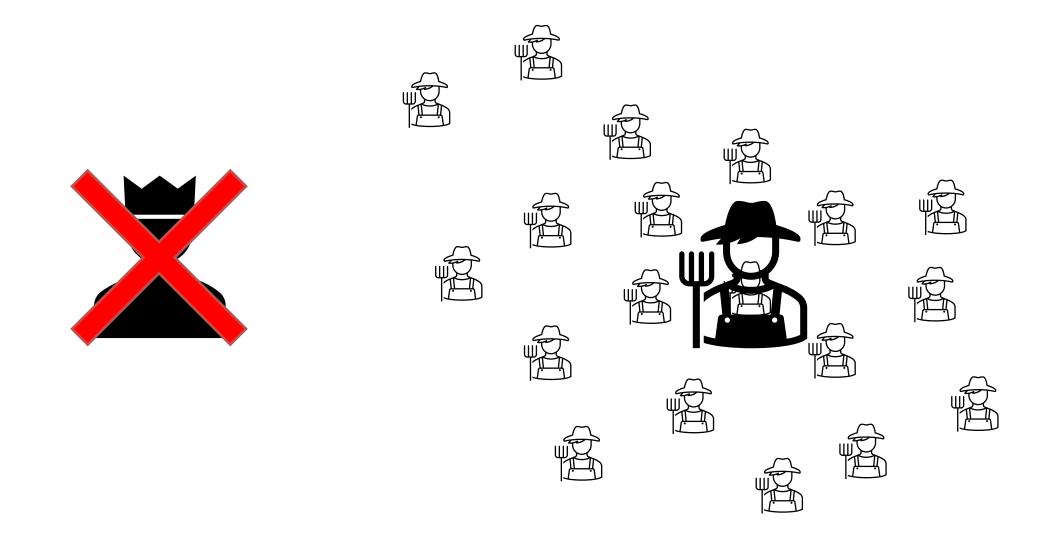




### Bourdieu: transition of power



## Bourdieu: cycle continues



#### Boltanski & Thévenot: 6 orders















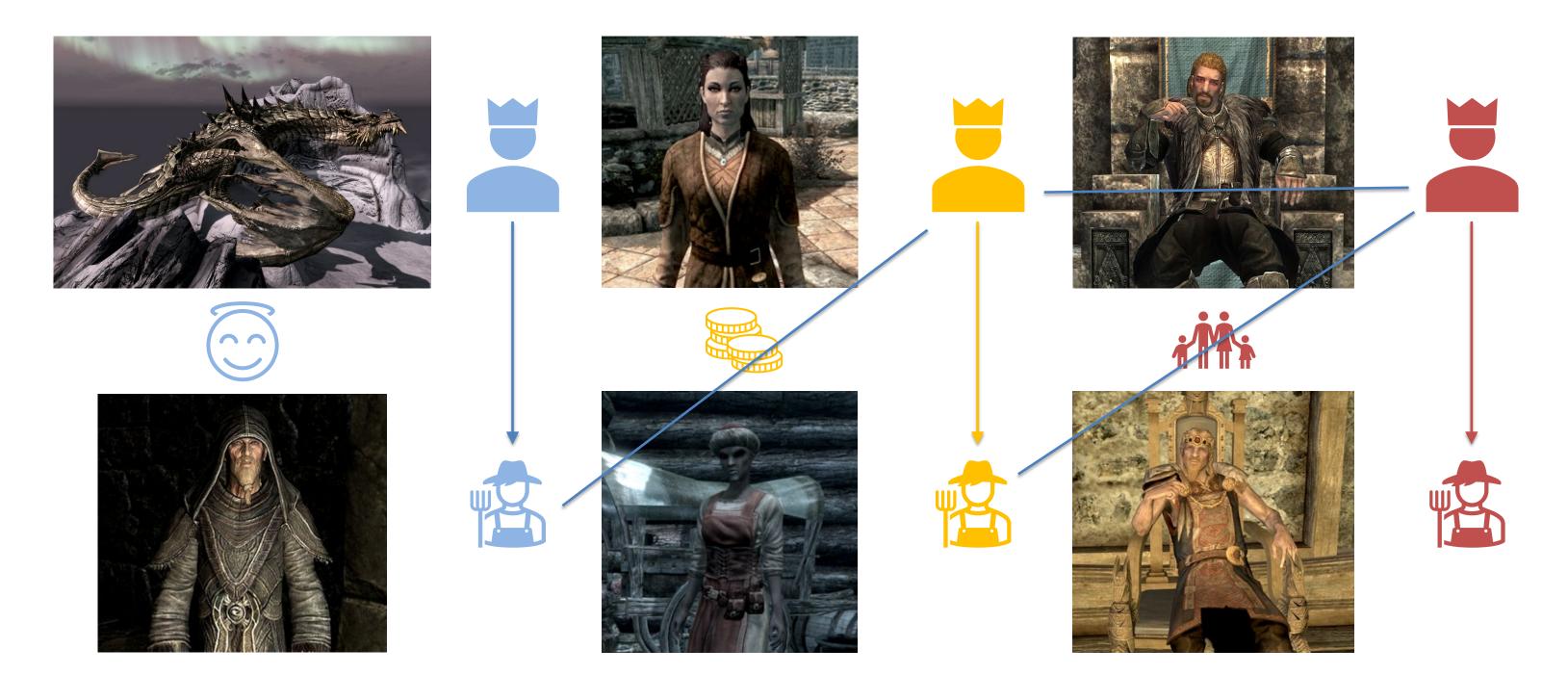


•Boltanski, L., Thévenot, L., 2006 [1991], On Justification. The Economies of Worth, Princeton, Princeton University Press.



'Common worlds'	Market	Industrial	Civic	Domestic	Inspired	Fame
Mode of evaluation (worth)	Price, cost	Technical efficiency	Collective welfare	Esteem, reputation	Grace, singularity, creativeness	Renown, fame
Test	Market competitiveness	Competence, reliability, planning	Equality and solidarity	Trustworthiness	Passion, enthusiasm	Popularity, audience, recognition
Form of relevant proof	Monetary	Measurable: criteria, statistics	Formal, official	Oral, exemplary, personally warranted	Emotional involvement and expression	Semiotic
Qualified objects	Freely circulating market good or service	Infrastructure, project, technical object, method, plan	Rules and regulations, fundamental rights, welfare policies	Patrimony, locale, heritage	Emotionally invested body or item, the sublime	Sign, media
Qualified human beings	Customer, consumer, merchant, seller	Engineer, professional, expert	Equal citizens, solidarity unions	Authority	Creative Beings, artists	Celebrity

#### Boltanski & Thévenot: values and orders

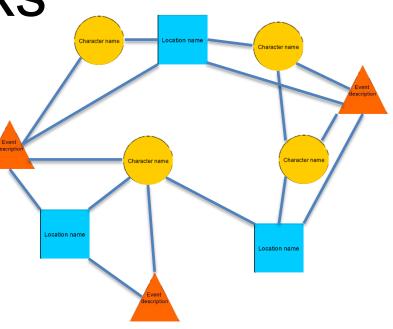






#### Conclusion

- Build worlds using Characters, Locations, Events
- Connect new nodes to embed
  - Hierarchy
  - Organic structures
- Measure/track your big players, bottlenecks
- Diversify using sociology
  - Relative power
  - Transitions of power
  - Values



# Thanks! Let's stay connected!



gerben@multiverse-narratives.com

 Blog: https://multiverse-narratives.com (Google 'Connected Worlds Multiverse Worldbuilding')