

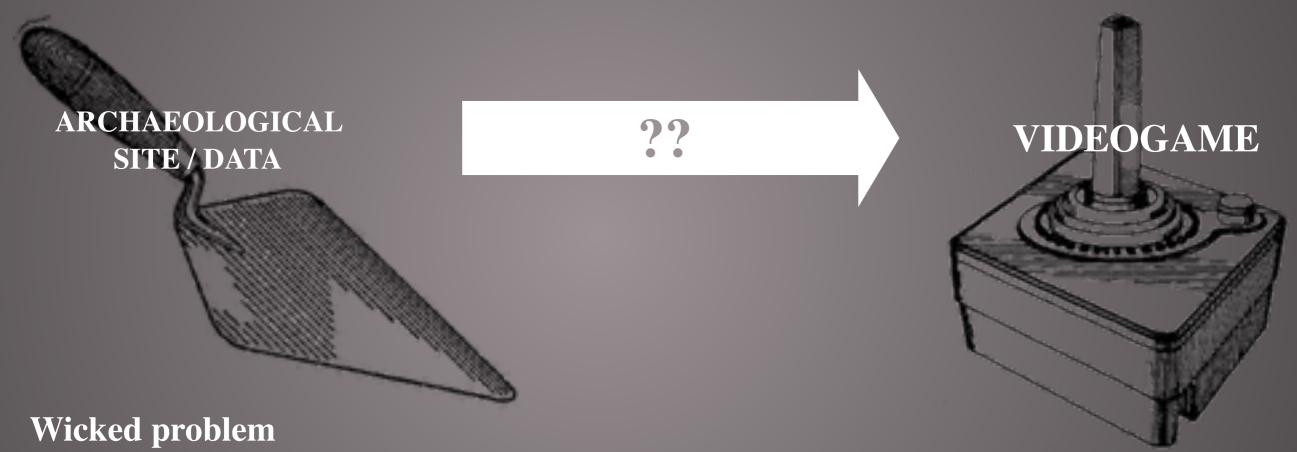
# The Game of Making an Archaeology Game Proposing a Design Framework for Historical Game Design

Juan Hiriart
@juanfrahiriart
j.f.v.hiriart@salford.ac.uk
School of Arts and Media
Salford University









"social problems which are ill-formulated, where the information is confusing, where there are many clients and decision makers with conflicting values, and where the ramifications in the whole system are thoroughly confusing" (Churchman, 1967)



#### *Uricchio* (2005)

Event games

simulation of particular events, attempting to "maximise historical accuracy

Process oriented games

Abstract replication of historical processes, allowing players to engage speculatively with the past





Kee (2008) via Seixas (2000)

Collective memory

Factual fidelity, coupled with the *action genre* 

Disciplinary history

Play/think as historians/ archaeologists, coupled with *strategy games* 

Postmodern history

Creative historical engagement, coupled with *sandbox games* 





#### Champion (2008, 2015)

- Tourist games
- Puzzle games
- Resource management games
- Historical battle games
- Historical combat games
- Historical shooter games
- Role-playing games
- Control games
- Social-mashup games
- Games that allow classroom role-playing of history through in-game camera capture



## What's wrong with the "genre picking" approach?

- Game genre is a problematic way to categorise games
- Games are "promiscuous"; commonly present a combination of gameplay structures, making difficult to associate them with only one particular genre
- Already-made solutions lead to stereotypical gameplay design

## Why building a (gamified) historical game design framework?

- Provides a "conversation starter"; it helps to define a design brief while avoiding stereotypical game forms.
- Acts as a mediator of the conversations between multiple disciplines involved in the design process.
- An environment for the creative engagement through play
- Serves as a medium to develop an analytical model for historical game design



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What is this game about?

(Character, Site, Battle, Event...)

#### **Historical perspective**

Who is the player?

(Common folk, children, leader, God...)





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Challenges - Actions

(Combat, Survival, Exploration...)

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Game narratives connected with challenges and actions

(Dialogues, Events...)

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#### Historical data

What data is needed to solve the conflict?

(GIS, Factual...)



#### References

Buchanan, Richard. 1992. "Wicked Problems in Design Thinking." Design Issues. http://www.jstor.org/stable/1511637.

Champion, Erik. 2008. "Game-Based Historical Learning." In Handbook of Research on Effective Electronic Gaming in Education, edited by Richard E. Ferdig, 105:219–34. Florida USA: Information Science Reference. doi:10.1093/jnci/djs562.

Champion, Erik. 2015. Critical Gaming: Interactive History and Virtual Heritage. Surrey, England: Ashgate Publishing, Ltd.

Churchman, W. 1967. Wicked Problems. Management Science, Vol. 14, No. 4, Application Series

Juul, Jesper. 2014. "Genre in Video Games ( and Why We Don 'T Talk about It [ More ])." The Ludologist. http://www.jesperjuul.net/ludologist/genre-in-video-games-and-why-we-dont-talk-about-it.

Kee, Kevin. 2008. "Computerized History Games: Narrative Options." Simulation & Gaming 42 (4). SAGE Publications: 423–40. doi:10.1177/1046878108325441.

Nitsche, Michael. 2008. Video Game Spaces: Image, Play, and Structure in 3D Worlds. London: The MIT Press.

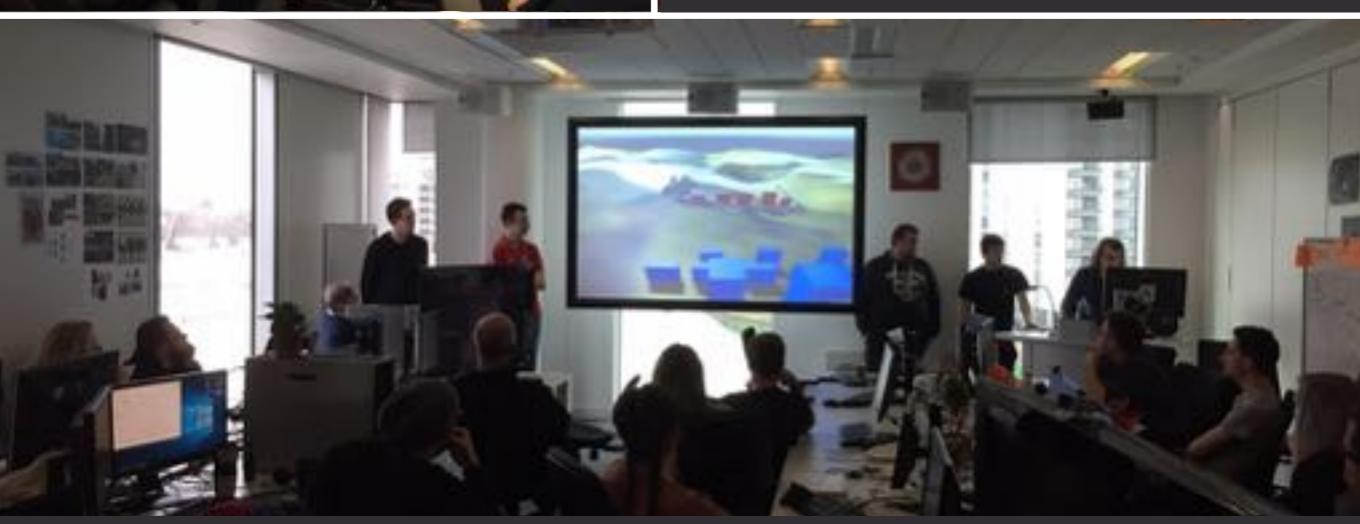
Uricchio, William. 2005. "Simulation, History, and Computer Games." In Handbook of Computer Game Studies, edited by Joost Raessens and Jeffrey Goldstein, 327–38. Cambridge: The MIT Press.

Thanks!





The Heritage Jam. 2015. University of York



Waterloo Digital History Jam. 2018. University of Salford