





# Special Issue

## **Jewish Gamevironments**

edited by

Owen Gottlieb



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#### articles

Introduction: Jewish Gamevironments – Exploring Understanding with Playful Systems
by Owen Gottlieb, 1

Global Conflicts, Episodic Framing and Attitude Change Towards the Israeli-Palestinian Conflict by Ronit Kampf, 5

Finding Lost & Found. Designer's Notes from the Process of Creating a Jewish Game for Learning by Owen Gottlieb, 42

#### reviews

*The Shivah: Kosher Edition.* A Review by Steve Jacobs, 66

Defeat Mom using the Bible. The Controversial Debate in *The Binding of Isaac* by Isabell Gloria Brendel, 77

*Video Games Around the World.* A Review by Xenia Zeiler, 87



## interviews

Interview with Joonas Laakso, Executive Producer at Next Games Oy, Finland by *gamevironments*, 94

## report

Video Game Development in Asia. A Research Project on Cultural Heritage and National Identity

by Gregory Grieve, Christopher Helland, Kerstin Radde-Antweiler and Xenia Zeiler, 102



Gregory P. Grieve, Christopher Helland, Kerstin Radde-Antweiler and Xenia Zeiler

#### **Abstract**

A report of the 2017 collaborative research project *Video Game Development in Asia*. Cultural Heritage and National Identity.

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Supported by the University of Helsinki's Future Development Fund, in 2017, our collaborative project researched cultural heritage and national identity in video game development in Asia. This report details some initial findings of our study, in which we each concentrated on one of four exemplary Asian nations — India, Japan, Nepal, and the Philippines. Each of us spent approximately three to six weeks exploring game development in our respective nation through semi-structured interviews, participant observation and ethnography with individual game developers and game developer companies. In 2017, we presented our initial findings at the 7th South and Southeast Asian Association for Culture and Religion (SSEASR) Conference<sup>ii</sup> held in Ho Chi Minh City, Vietnam July 9-12, 2017.

Why study Asian video game development and cultural heritage and national identity? Our ongoing exploratory, multidisciplinary and international project



investigates how cultural heritage is implemented in video game narratives and utilized by game developers in Asia. Existing research, however, is limited to social media, such as Twitter and Facebook, as well as older media such as radio, television, and newspapers. Though one of the most influential media genres, especially for the younger generation, video games have so far been overlooked. Understanding video games matters for two reasons. First, video games are already with the people. They are a popular mainstream media that pervades society regardless of age, gender and social status. Second, games are increasingly complex, interactive virtual worlds in which cultural heritage and national identities are, literally, constructed by game designers: they are 'secondary worlds' in which e.g. national identities are imagined, histories are re-constructed, and traditions are (re)invented.

## **Nepal: Gregory Price Grieve**

This initial entrée into the relationship between Nepali video development, cultural heritage and national identity is still a work in progress and is in need of further data gathering and analysis. Yet, as a first step I ask, 'How is Nepal represented in video games?' To answer this question, I compare an AAA American video game set in Nepal, Far Cry 4 (2014), to a game developed by a Nepali team, polyTricks (2016). Far Cry 4, developed for consoles and Microsoft Windows, is an open world, first-person shooter, which takes place in Kyrat, a fictional Himalayan country, and follows the protagonist, Ajay Ghale as he is caught up in a civil war. polyTricks, developed as an Android mobile application, is an endless-runner game, in which the player can tilt their device left or right to move the character to the left or right side of screen, and follows a corrupt politician as he works his way from rookie to president. Thus far, I have played through both games and analyzed player comments on several websites. I also engaged in a month of ethnography with the Arcube game design



team, interviewed fifty people about game play in Nepal, and interviewed twelve game designers in Nepal. I still need to interview members of the *Far Cry 4* design team, as well as create online surveys for both games.

What is the difference between how Nepal is depicted in Far Cry 4 versus polyTricks, and what role do cultural heritage and religion play? In "Disjuncture and Difference in the Global Cultural Economy" Arjun Appadurai (1990) argues that the central problem today is the tension between cultural homogenization and heterogenization. To support his thesis, Appadurai employs a number of concepts; here I will discuss ethnoscapes, mediascapes, and ideoscapes. 'Ethnoscape' defines the landscape of persons who constitute our shifting world: tourists, immigrants, refugees and exiles. Nepal's ethnoscape is defined by two groups: tourists flooding in from developed nations, and Nepali quest workers flooding out to mainly work in Malaysia and the Gulf States. Tourists picture Nepal as a 'Shangri-La,' as a spiritual place outside of time, and this conception of Nepal was a key part of Far Cry 4's game play. Another important term is 'mediascape, ' which defines who has control of the flow of information. In Far Cry 4 Nepal is viewed through a romantic lens, again as a timeless Shangri-la. In polyTricks there is a keen awareness of Nepal being on the edge of global culture, and a desire to display Nepal's natural beauty and culture. In Far Cry 4 religion is a key element by which the game developers imagine the landscape, while *polyTricks* does not engage with religion in any way.

Finally, Appadurai's uses the concept of 'Ideoscape,' which defines how images are used for political and ideological effect. *Far Cry 4* simmers with a romantic orientalism, while *polyTrick* is a conscious eco-political critique—lambasting both politicians and environmental degradation in Kathmandu. *Far Cry 4*'s developers approached Nepal largely as a place of pre-imagined fantasy. There they found what



they already knew. The game pictures Nepal not only as pre-modern, but somehow outside of time; a Shangri-la that offers, with an almost desperate longing, an untouched ancient wisdom by which the West can be redeemed. The developers see Nepal as a place in which Westerners can find themselves, by breaking from the scripted routine – late capitalism's soul-crushing wage-labor, ant-like corporate careers, and shallow consumerism. The makers of *polyTricks* depict Nepal as underdeveloped, corrupt, and peripheral to the world economy, but a land of immense beauty (mountains), cultural heritage (temples) and potential for economic development. As Rabin Shilpakar, Arcube's team leader said,

"The main purpose to build this game is to uplift the gaming industry in Nepal. The gaming industry can be next career building opportunities for many IT students and artists. The gaming industry can help us to present our folk, mythological stories, our history, culture, art in the form of the game. This can also educate our current generation, future generations to come and entertain them as well."

## **Japan: Christopher Helland**

Unlike the other Asian nations studied, Japan has one of the world's deepest and most complex video gaming cultures. With some of the most recognizable gaming companies in the world located there, it is no surprise that it is an epicenter of game development. Although companies like Nintendo, Sega, Square Enix, Sony and Capcom dominate the gaming industry, there is a substrata of independent game designers making names for themselves. Interestingly, gaming culture and development is so large within Japan that there are recognizable levels of developers, each with their own audience and niche. Often a distinction is made between those that work for large companies as official developers, Indie developers, and "doujin" developers. Doujin is a general Japanese term for a group of people or



friends who share an interest, activity, hobbies, or achievements. Although most people outside of Japan are only familiar with massive games put out by the large companies, within Japan, Indie and doujin games have a huge market with a significant following and their own subcultures.

The difference between doujin and Indie is not always a clear distinction. Indie games in Japan are often recognized as "small budget" game developers. However, they do have budgets for development and are not "amateur." Some indie companies may have hundreds of employees and develop games that are extremely popular. Doujin, on the other hand, is a form of game development that is seen as being more of a hobby or a passion rather than as a profession. However, some doujin developers have become very famous, with their games being sold worldwide.

For my own research, I was primarily interested in doujin game development. The doujin gaming environment is unique in several ways. First and foremost, doujin developers often work alone or in very small groups. From start to finish, they have complete control over the entire creation and development process. They are only accountable to their fan base and the people that play their games. Doujin designers do not have to follow any corporate guidelines, market plans, or answer to higher management. Since they are usually not doing it as a primary source of income, they can develop interesting and unique games that push the limits of game design and gaming concepts. Without the normal corporate restrictions placed upon them, this field of game development represents a dynamic gaming subculture that continues to expand. By developing doujin games to be played on smartphones and tablets, their popularity has been increasing significantly in recent years.

This high level of game development freedom and an expanding market have allowed



for a number of significant developers to emerge with large cult followings and significant cultural impact. They are creating a magical world of games and gaming that exists beyond the control of the gaming industry. As these higher profile doujin game designers become established, many are being recognized as a unique type of indie developer. A good example being ZUN (Jun'ya Ota), who has developed over 25 games in the last 20 years, some of which are classified as doujin and some of which are considered indie. Zun's creation and development of the "Touhou Project" is my primary focus of research. His work draws upon Japanese mythology and folklore, religion, culture and tradition to create a fantastic gaming genre. The first game in the series is called *Highly Responsive to Prayers* (1997) and recently Touhou 14.5 *Urban Legend in Limbo* (2015) was adapted for the PS4.

## The Philippines: Kerstin Radde-Antweiler

When it comes to national identity and cultural heritage, video games in the Philippines have a long politicized history. Originally, cabinet arcade games, such as *Space Invaders* (1978) and *Asteroids* (1979), were viewed as corrupting and dangerous to the youth, and were forbidden along with pinball machines, and slot machines. In fact, the Philippines were one of the first nations to ban video games. During the Marcos regime in 1981 video games were banned through presidential decree no. 519:

"Whereas, there has been widespread use of pinball machines in amusements places all over the country; Whereas, the proliferation of these gambling devices adversely affects the moral regeneration program of the Government under the New Society, especially the youth; Whereas, it has come to my attention that there has been indiscriminate issuance of permits and/or licenses to operate pinball and slot machines and other similar devices to the detriment of the public interest"



## (http://www.lawphil.net/statutes/presdecs/pd1974/pd\_519\_1974.html)

In, 1986 the ban was lifted. In addition, it is not surprising that in a country where one-third of the population is under the age of 14, that the role of digital media today is rising and video games are one of the most popular forms of entertainment (https://www.indexmundi.com/philippines/age\_structure.html).

Many Filipinos play blockbuster games developed in Europe, America or Japan. The Philippines as such are not a common theme in AAA video games. Only in the two *Medal of Honor* instalments *Medal of Honor: Rising Sun* (2003) and *Medal of Honor: Warfighter* (2010) the Philippines as an American military base is mentioned. However, in recent years, there is also the tendency to develop games explicitly for a Philippine audience. This is an interesting development in itself, since normally foreign products – not only media but products in general – are given more quality and judged more positively. An early example for a video created by Filipino game developers is *Anito: Defend a Land Enraged* made for Microsoft Windows. Anino Entertainment is an independent video game company based in Manila, Philippines. The game is set in the 16th century on an Asian island called Maroka, and deals with tribes' internal power issues and external dangers by colonization. The game picks out elements of the Philippine's history explicitly such as colonization and in line with that Christianization and ancient Tagalog elements. However, games integrating historical and cultural elements seem to be an exception.

New mobile technologies created a surge in indie gaming companies in the Philippines which has heighted primarily the relationship between politics and national heritage. In fact, at present, many of the games propagandize for political figures. A prominent example is the game *Go Duterte* (2016) by Kulit Games, where



the gamer plays the Philippine president Duterte and one can "shoot the incoming villains! Restore peace and order. Fighting crime has never been this fun!" Games focusing the current Philippine president became highly prominent and succeed in a bundle of quite similar games such as *Duterte Boxing Game* (2016), *Duterte Fighting Crime 2* (2017), *Duterterador* (2016), or *Flap Your President APK* (2016). Nearly all these games allow the gamer to play a political figure (mostly president Duterte) and kill drug addicts, or other criminals.

A first overview makes clear that Philippine identity is constructed mostly through politics and history. In contrast to PC games such as *Anito: Defend a Land Enraged* elements from religion, art or music do not play a role at all. A further research question is, if we can see explicit communicative demarcation processes and if so, why these fields are considered as not being relevant to video games design.

## **India: Xenia Zeiler**

In India, video game development is a rather recent phenomenon. Video games made in India first emerged about ten years ago, and from the get go, featured themes related to Indian cultural heritage and national identity. For instance, the game *Hanuman: Boy Warrior* (Aurona Technologies Hyderabad for Sony Computer Entertainment Europe, 2009), a console game produced by Sony for PlayStation 2 in 2009, was criticized for an overall low technical quality but also, a small number of groups opposed the incorporation of Hindu deities in video game environments. The overall situation changed as the game development industry in India quickly and immensely evolved. Between 2010 and 2015, market studies estimated growth rates as high as 30% for the Indian gaming industry (exchange4media News Service 2012). The number of gaming studios exploded from below 20 in 2010 to more than 500



studios in 2012 (Handrahan 2012).

How does Indian game development relate to Indian culture heritage? The short answer is: in a number of ways. Most games produced in India currently do not make use of cultural heritage. Most focus on movies, sports, as well as card and casino play. There are also games which do not explicitly build on cultural heritage but which are set in Indian contexts and have an educational character, such as Missing (2016), winner of Nasscom Indie Game of the Year award in 2016. But, there are also many games that explicitly engage Indian culture. For instance, among the Indian games that make use of both narrative and aesthetic aspects of Indian culture are Asura (2017) and Raji: An Ancient Epic (forthcoming). Asura is a Hack 'n' Slash game which, as the name indicates, is inspired in its narrative and game characters by Hindu mythology in which "Asura" denotes a demon-like figure. But, what makes Asura interesting is that the game goes beyond the simple implementation of mythological figures and some Indian aesthetic (in the game's case: architectural) elements. Moreover, on a procedural level, the game not only refers to contents but also literary structures from Indian classical mythological literature, by implementing both in the game's rule system.

Another example for a game developed in India and building intensively on Indian cultural heritage is the forthcoming *Raji: An Ancient Epic*. The "video game set in ancient India" (Raji: An Ancient Epic 2017) draws intensively on Hindu mythology in its narrative, and underlines the storyline with prominent musical instruments of Indian classical traditions, such as tablas (a specific form of drums) and ankle bells (which are essential in Indian classical dance), and with dress styles, colors, and architectural forms which are "inspired by the medieval architecture of Rajasthan, which was the pinnacle of architectural achievement during the medieval era of



India" (Kickstarter campaign Raji: An Ancient Epic). All these elements are clearly inspired by Indian cultural heritage (see e.g. Raji: An Ancient Epic - Game Teaser 2017) – and this is not accidental but rather a conscious decision by the Pune based game's developers who state "We are working on the game we always wanted to make, a game which reflects lore, myths and stories from our motherland" (NoddingHeadsGames 2017). Currently, the game has released a demo on Steam and at the time of writing this report had initiated a kickstarter campaign (running until 12 Dec 2017) to secure funding and the future development work. Whatever the outcome of this will be and however the development process is taken further from the beginning of 2018 onward, *Raji: An Ancient Epic* is "a project that speaks to both the inventiveness of a community too often regarded as a back-up workforce, and the art, culture and history of a country that is seldom represented in video games" (Evans-Thirlwell 2017).

## Conclusion

We have now completed an initial explorative study on video game development in Asia, cultural heritage and national identities, which focused on four comparative settings in Asia: India, Japan, Nepal, the Philippines. Each of us is a specialist in our region, and we interviewed and engaged in participant observation with game developers. This insured systemized, coordinated data collection and analysis, as well as the comparability of the data and analysis results, making them usable as case study information for theory building beyond the four researched national contexts. As can be seen from our initial research, there are similarities and differences in game development and its relationship to cultural heritage in India, Japan, Nepal, and the Philippines. As became apparent, while Japan has a long history of game development, it was not until the mobile phone that video games exploded on the



scene in the other countries. Also, while Nepal and India shared some examples of the relationship between cultural heritage and development, in the Philippines national identity is constructed mostly through politics and history. Finally, while religion was important for some Indian game developers as a marker of national identity, it was not apparent in the other locations. Obviously there is still much that needs to be done. One thing is evidently clear, however. While they may have originated in the West, video games have become a global phenomenon, which takes on unique forms throughout Asia.

## References

Anito: Defend a Land Enraged, 2003. [video game] (PC) Anino Entertainment, Anino Entertainment.

Appadurai, A., 1990. Disjuncture and Difference in the Global Cultural Economy. *Theory, Culture & Society*, 7, 295-310.

Asura, 2017. [video game] (PC) Ogre Head Studio, Ogre Head Studio.

Asteroids, 1979. [video game] (Arcade) Atari Inc., Atari Inc.

Duterte Boxing Game, 2016. [video game] (mobile app) Kulit Games, Kulit Games.

Duterte Fighting Crime 2, 2017. [video game] (mobile app) TATAY Games, TATAY Games.

Duterterador, 2016. [video game] (mobile app) TATAY Games, TATAY Games.



Evans-Thirlwell, E., 2017. Raji and the rise of Indian gamedev. How a nation of outsourcing companies is finding its feet. *eurogamer* [online] 29 November. Available at <a href="http://www.eurogamer.net/articles/2017-11-27-raji-and-the-rise-of-indian-gamedev">http://www.eurogamer.net/articles/2017-11-27-raji-and-the-rise-of-indian-gamedev</a>, accessed 10 December 2017.

exchange4media News Service, 2012. Indian Gaming Industry to Reach Rs. 3,100 cr. by 2014. *Exchange4media.com* [online] 16 January. Available at <a href="http://www.exchange4media.com/44996">http://www.exchange4media.com/44996</a> indian-gaming-industry-to-reach-rs-3100-cr-by-2014.html, accessed 10 December 2017.

Far Cry 4, 2014. [video game] (PC, PlayStation 3, PlayStation 4, Xbox 360, Xbox One) Ubisoft, Ubisoft.

Go Duterte, 2016. [video game] (mobile app) Kulit Games, Kulit Games.

Flap Your President APK, 2016. [video game] (mobile app) TATAY Games, TATAY Games.

Handrahan, M., 2012. Emerging Markets: India. *Gamesindustry International* [online] 5 March. Available at <a href="http://www.gamesindustry.biz/articles/2012-03-05-emerging-markets-india">http://www.gamesindustry.biz/articles/2012-03-05-emerging-markets-india</a>, accessed 10 December 2017.

Hanuman: Boy Warrior, 2009. [video game] (PlayStation 2) Aurona Technologies Hyderabad, Sony Computer Entertainment Europe.

Highly Responsive to Prayers, 1997. [video game] (PC) Team Shanghai Alice, Amusement Makers.

Kickstarter campaign Raji: An Ancient Epic. Available at <a href="https://www.kickstarter.com/projects/1343822689/raji-an-ancient-epic/description">https://www.kickstarter.com/projects/1343822689/raji-an-ancient-epic/description</a>, accessed 10 Dec 2017.

*Medal of Honor: Rising Sun*, 2003. [video game] (PlayStation 2, Xbox, GameCube) EA Los Angeles, EA Games.

*Medal of Honor: Warfighter*, 2010. [video game] (PlayStation 2, Xbox, GameCube) Danger Close Games, Electronic Arts.

Missing, 2016. [video game] (mobile app) Flying Robot Studios, Flying Robot Studios.

NoddingHeadsGames, 2017. summary, *indie db* [online] 26 January. Available at <a href="http://www.indiedb.com/members/rajigame">http://www.indiedb.com/members/rajigame</a>, accessed 10 December 2017.

polyTricks, 2016. [video game] (mobile app) Arcube, Arcube.

Raji: An Ancient Epic, 2017. Summary, *indie db* [online] 5 June. Available at <a href="http://www.indiedb.com/games/raji-an-ancient-epic">http://www.indiedb.com/games/raji-an-ancient-epic</a>, accessed 10 December 2017.

Raji: An Ancient Epic - Game Teaser, 2017. [YouTube video] 25 January 2017. Available at <a href="https://www.youtube.com/watch?v=kVTKwaCaiLA">https://www.youtube.com/watch?v=kVTKwaCaiLA</a>, accessed 10 December 2017.

Space Invaders, 1978. [video game] (Arcade) Taito, Midway Games.

114



Urban Legend in Limbo, 2015. [video game] (PC, PlayStation 4) Twilight Frontier, Team Shanghai Alice.

<sup>&</sup>lt;sup>i</sup> For more information cf. http://blogs.helsinki.fi/gamescultureasia, accessed 10 December 2017. <sup>ii</sup> For more information cf. http://www.sseasr.org/7th-conference.html, accessed 10 December 2017.