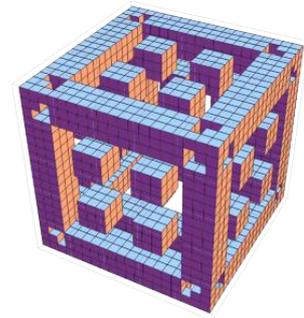# Serious Games Examples

Introduction

This document contains a collection of serious games. Examples are presented in alphabetical order either by the name of the game, or by the name of the company behind the game. Links and videos give you more information. Some of these games are online games and some are downloadable. In some cases there is only a demo version or video available. Some games require Flash. Examples are mostly based on examples presented in following books:

Dörner, R., Göbel, S., Effelsberg, W. & Wiemeyer, J. 2016. Serious Games.
Foundations, Concepts and Practice.
http://www.springer.com/us/book/9783319406114

Routledge, H. 2015. Why Games Are Good For Business. How to Leverage
the Power of Serious Games, Gamification and Simulations.
http://www.palgrave.com/la/book/9781137448965

80 days

The game is about geography, loosely based on Jules Verne's novel Around the World in Eighty Days. The game is developed by Inkle.

https://en.wikipedia.org/wiki/80_Days_(2014_video_game)

http://www.inklestudios.com/80days/

http://store.steampowered.com/app/381780/80_Days/

https://www.youtube.com/watch?v=Ai6ISI3uimA

Bionigma

A puzzle game for solving protein multiple sequence alignments. The game is developed within the interdisciplinary research project Serious Games for Bioinformatics supported by the Forum for interdisciplinary Research (FiF).

http://www.bionigma.de/

http://www.gcc.tu-darmstadt.de/home/proj/bionigma/index.en.jsp

https://www.youtube.com/watch?v=74S2DFh9Rwc

Entry into Enclosed Spaces

Videotel, a maritime e-learning company puts learners into a real-life scenario of seafarers, enabling them to apply their knowledge to specific situations under realistic time pressures in enclosed spaces.

http://thedigitalship.com/news/item/2845-videotel-gets-serious

https://www.youtube.com/watch?v=kVTl3ejOqVM

https://www.youtube.com/watch?v=QkHMn5DgYYQ

Foldit

The game is an online puzzle video game about protein folding. The game was developed in collaboration with Center of Game Science and Department of Biochemistry, both from University of Washington.

https://en.wikipedia.org/wiki/Foldit

http://fold.it/portal/

https://www.youtube.com/watch?v=bo99JjnfdA8

Global Conflicts: Palestine

In this game the player assumes the role of a freelance journalist who has just arrived in Jerusalem facing challenges. The goal is to create and get an article published for a newspaper by collecting quotes from the dialog in the game.

https://en.wikipedia.org/wiki/Global_Conflicts:_Palestine

http://www.eurogamer.net/articles/global-conflicts-palestine-review

https://www.youtube.com/watch?v=3ANbDOKmJ6s

L'Oreal

L'Oreal, a French cosmetics company company uses serious game for employee recruitment.

http://www.gamification.co/2014/10/01/loreal-uses-serious-games-employee-recruitment/

http://www.brandstorm.loreal.com/

https://www.youtube.com/watch?v=tzKIfbw_d0Q

Learn2work

The company simulation game developed by Korion GmbH.

http://www.korion.de/en/simulations/learn2work/

http://www.learn2work.de/?lang=en

London Science Museum

London Science Museum uses serious game for promoting the exhibition gallery.

http://seriousgamesmarket.blogspot.fi/2011/02/serious-games-promoting-london-science.html

https://www.youtube.com/watch?v=V5RrQw_8IEc

Lost Earth 2037

The simulation game is a mixture of strategy game in space and some serious science like, for example, data gathering and analysis of satellite imagery. The game is developed by the German institute Fraunhofer IOSB (Institute of Optronics, System Technologies and Image Exploitation).

https://www.iosb.fraunhofer.de/servlet/is/58015/

http://www.ak-art.net/news/2017/3/12/lost-earth-2307-unveiled

Ludvig

The educational game about physics covering aspects of fire, water and technology.

http://store.steampowered.com/app/263120/Ludwig/

http://www.gamesforchange.org/play/ludwig/

https://www.youtube.com/watch?v=ATPW7qPgr0o

Meister Cody

Training game with an integrated diagnostic screening test for children with dyscalculia and math weakness. The game is developed by Kaasa health GmbH.

https://en.wikipedia.org/wiki/Meister_Cody

https://www.meistercody.com/en/talasia

https://www.youtube.com/watch?v=Ojc41x0R1gM

Papers Please

In this game player takes the role of a border crossing immigration officer in the fictional dystopian Eastern Bloc-like country of Arstotzka. As the officer, the player must review each immigrant and returning citizen's passports and other supporting paperwork against a list of ever-increasing rules using a number of tools and guides. The game is developed by Lucas Pope.

https://en.wikipedia.org/wiki/Papers,_Please

http://store.steampowered.com/app/239030/Papers_Please/

https://www.youtube.com/watch?v=_QP5X6fcukM

Play Forward

The game is designed to provide at-risk young teens the opportunity to acquire and practice skills for risk reduction and HIV prevention. The game is developed by Play2Prevent.

http://www.play2prevent.org/our-games/playforward-series/playforward-elm-city-stories/

http://www.huffingtonpost.com/2012/08/15/playforward-hiv-awareness-video-game-minority-teens_n_1779235.html

Quest for Oil

The game takes player on a quest for one of today's most indispensable resources – oil. The player will go on a subsurface journey, exploring the underground and getting to the heart of the world's vital and challenging business: the oil industry.

http://www.maersk.com/en/hardware/quest-for-oil

http://www.maerskoil.com/media/newsroom/pages/maerskgrouplaunches'questforoil'firstcomputergame aboutglobaloilindustry.aspx

https://www.youtube.com/watch?v=nCD1umZKUHU

Sharkworld

The game allows aspiring project managers to experiment and gain experience with key aspects of project management in a highly entertaining and motivating setting.

http://www.sharkworldgame.com/

https://www.youtube.com/watch?v=qYu2DNkJFXQ

Ship Simulator

Maritime search and rescue simulator developed by Reality Twist GmbH.

http://store.steampowered.com/app/274010/Ship_Simulator_Maritime_Search_and_Rescue/

http://www.ship-simulator-maritime-sar.com/index-en.html

http://oceanofgames.com/ship-simulator-maritime-search-and-rescue-free-download/

https://www.youtube.com/watch?v=FQXR0AV614I

SPARX

The game is a mental health game intended to help young persons with mild to moderate depression, stress or anxiety. The game is developed by research team of University of Auckland.

https://en.wikipedia.org/wiki/Sparx_(video_game)

https://www.sparx.org.nz/

https://www.youtube.com/watch?v=AgtJyB5Dh_M

The Great Flu

The game lets the player unleash the flu virus of player's choice on the world, then using player's $2 billion budget to contain it through a palette of public health moves. The game is developed by virologists at Erasmus Medical Center in Rotterdam.

http://www.thegreatflu.com/

https://www.fastcompany.com/1332286/great-flu-video-game-turns-pandemic-pastime

https://www.youtube.com/watch?v=9a3bSlQLpnI

The Sustainable Delta Game

The game puts players to explore the future of the delta of the fictitious river. The game was developed in collaboration with the Universities of Utrecht, Maastricht and Twente, Carthago Consultancy, Pantocipon and the Royal Netherlands Meteorological Institute.

https://www.deltares.nl/en/software/sustainable-delta-game/

https://www.youtube.com/watch?v=3RvPvNQG-N0

Utopolis

A democracy simulation game. The goal of the game is to make the player conscious about our modern society as well as critizising it. The game is developed by Reality Twist GmbH.

https://utopolisthegame.wordpress.com/

https://www.youtube.com/watch?v=OFCmEA-GOQc

World Without Oil

The game uses alternate reality created to call attention to, spark dialogue about, plan for and engineer solutions to a possible near-future global oil shortage, post peak oil. The game has been developed in collaboration of various game writers.

https://en.wikipedia.org/wiki/World_Without_Oil

http://writerguy.com/wwo/metahome.htm

https://www.youtube.com/watch?v=M-hzUGFD-Gc

Images

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