IDEAL-GAME —

The Management Kick-off-Conference

08th-10th of December 2020, Germany



First Insights into the IDEAL-GAME Serious Game Creator Approach

Universität Paderborn,
Chair Business and Human Resources Education II
Prof. Dr. Marc Beutner



ERASMUS+ Programme
Strategic Partnership for Higher Education
Agreement No.
2020-1-DE01-KA203-005682

IDEAL-GAME

Improving didactics, education and learning in higher education with the Online Serious Game Creator





GAME From where? - What I played in the past:











GAMETo where? What is sometimes played today:



Farm Heroes Saga – King



- World of Warcraft -**Blizzard Entertainment**





Copy Job Ingenious Knowledge / UPB





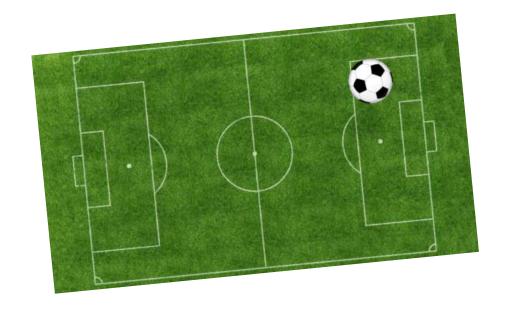




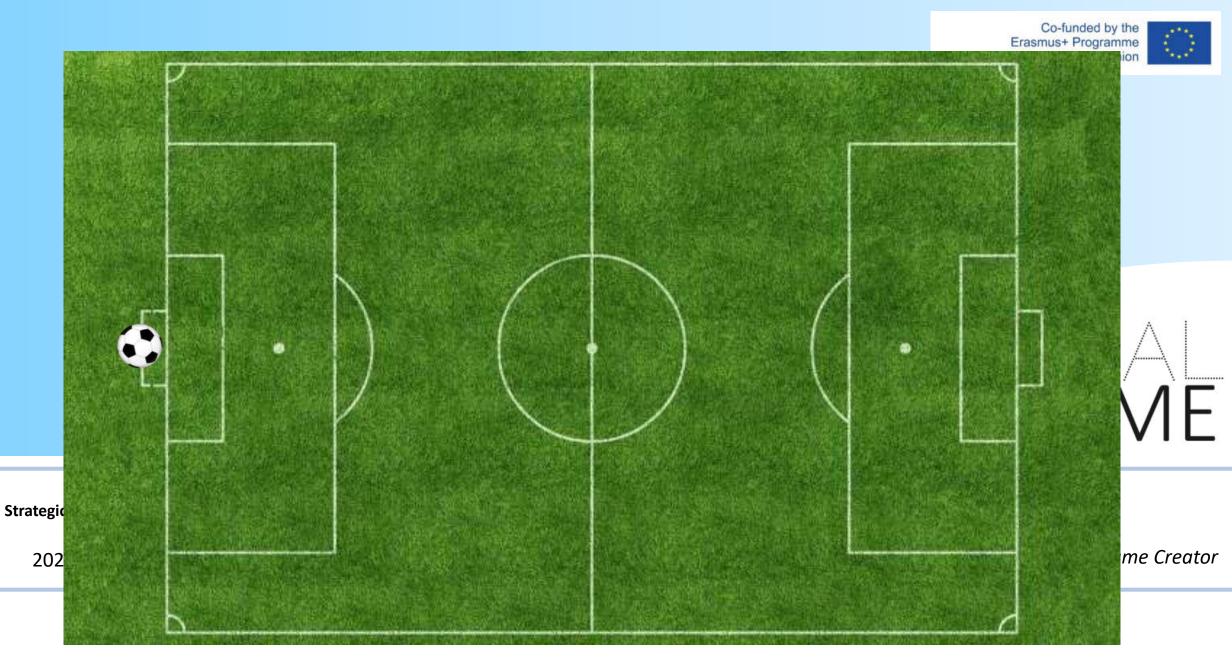


Simple Gamification:

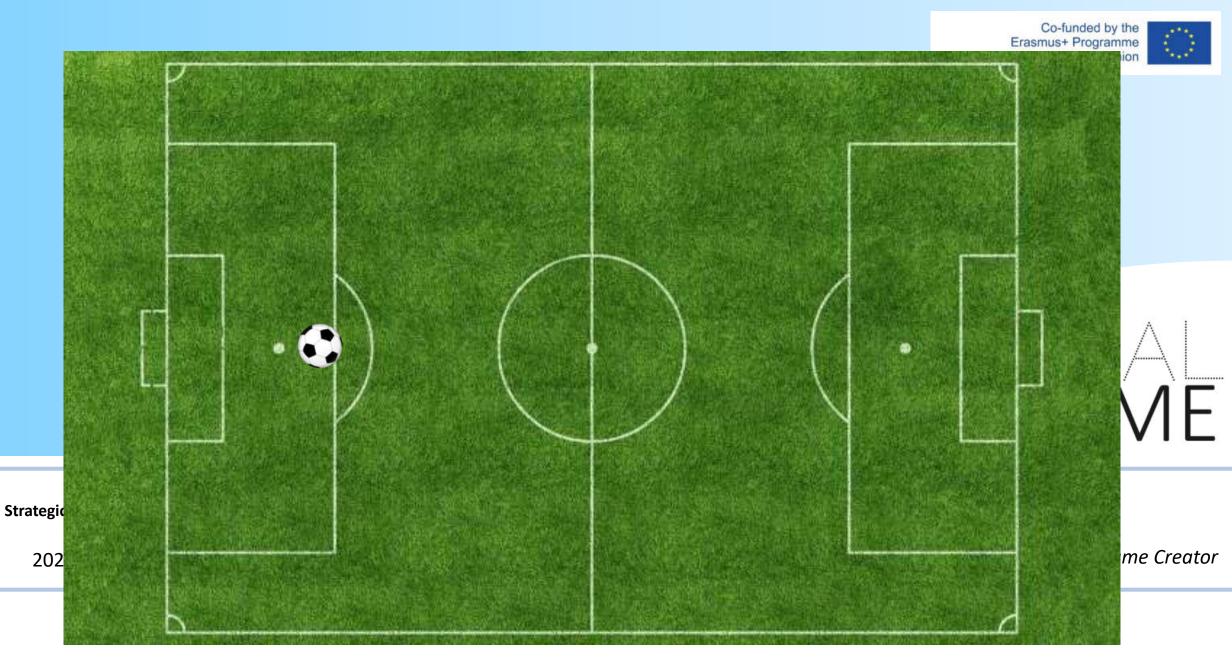
Technical term or posting phrase soccer with powerpoint or on the blackboard



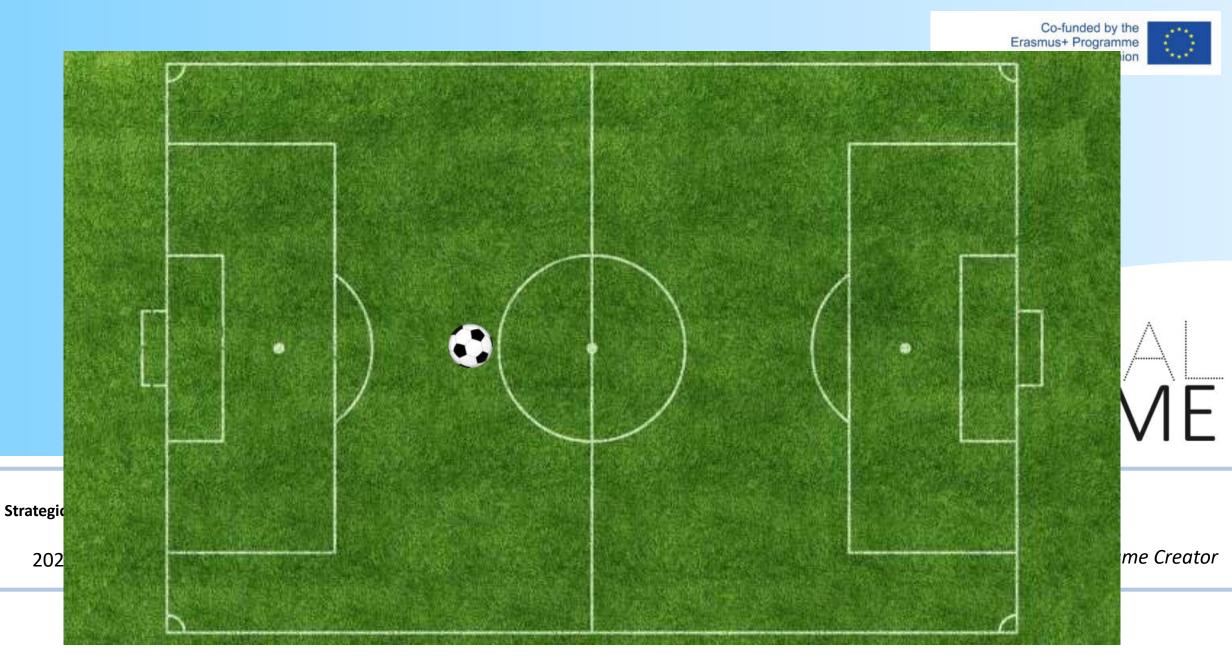




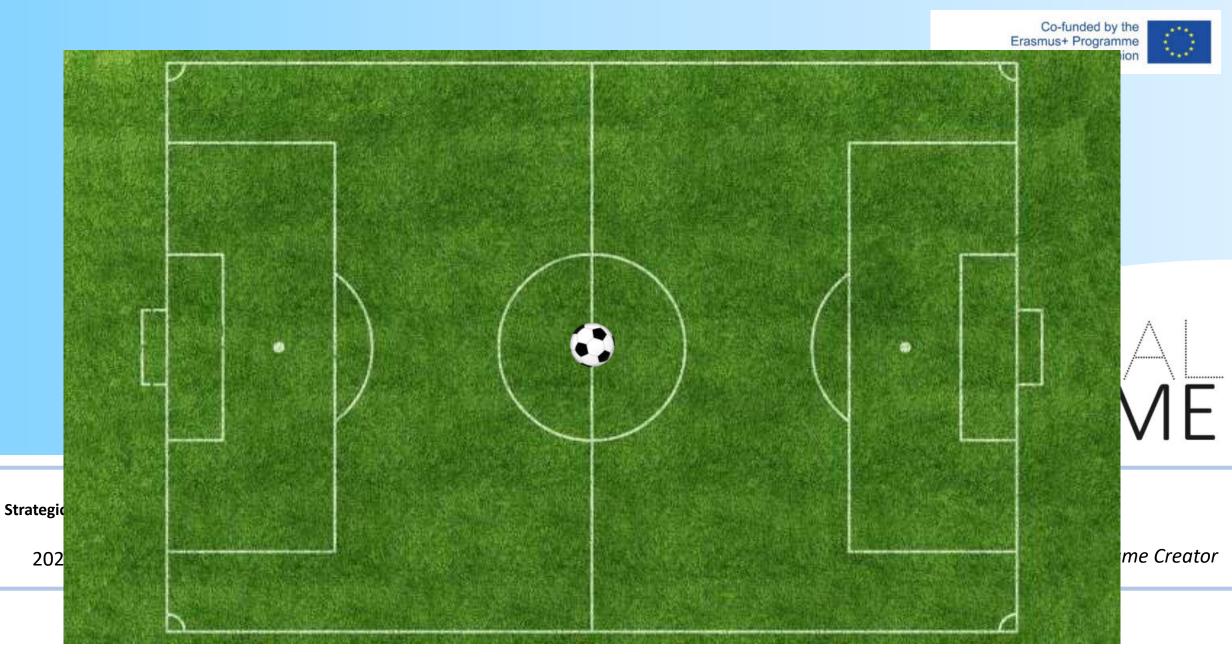




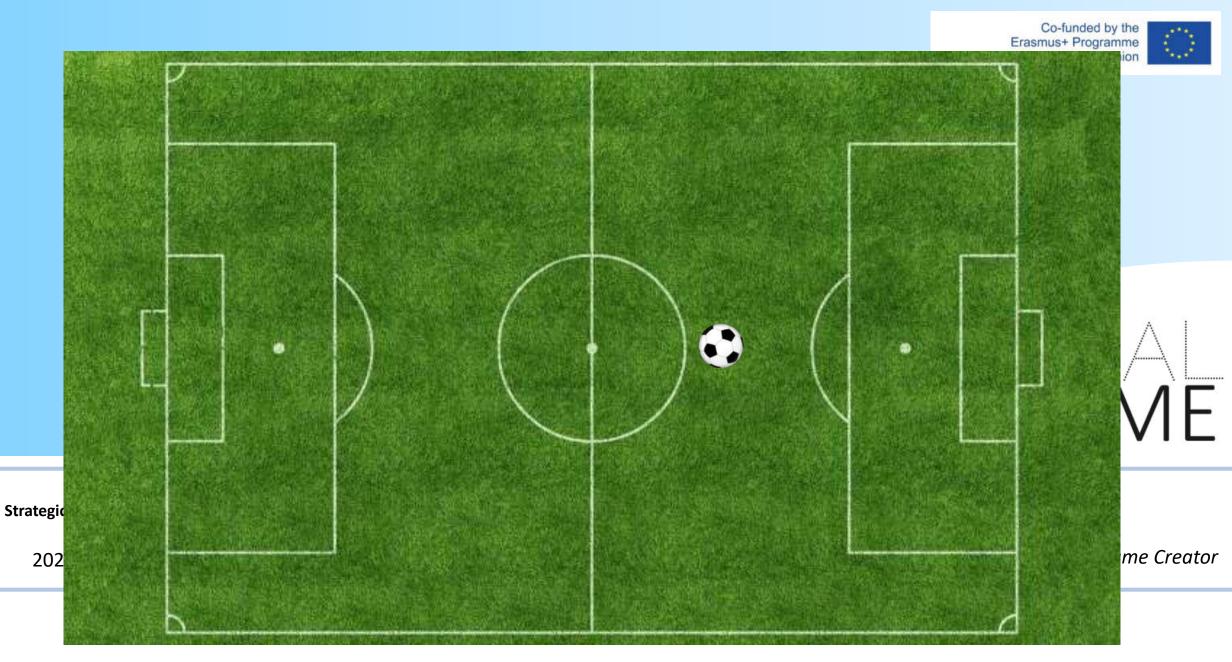




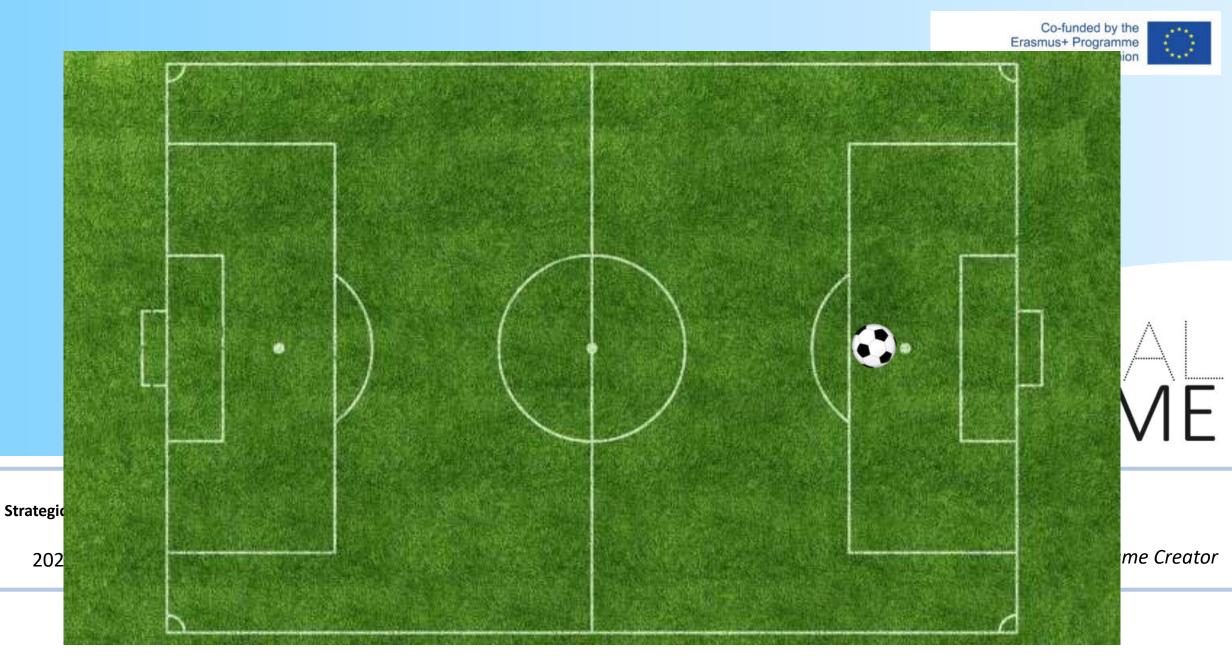




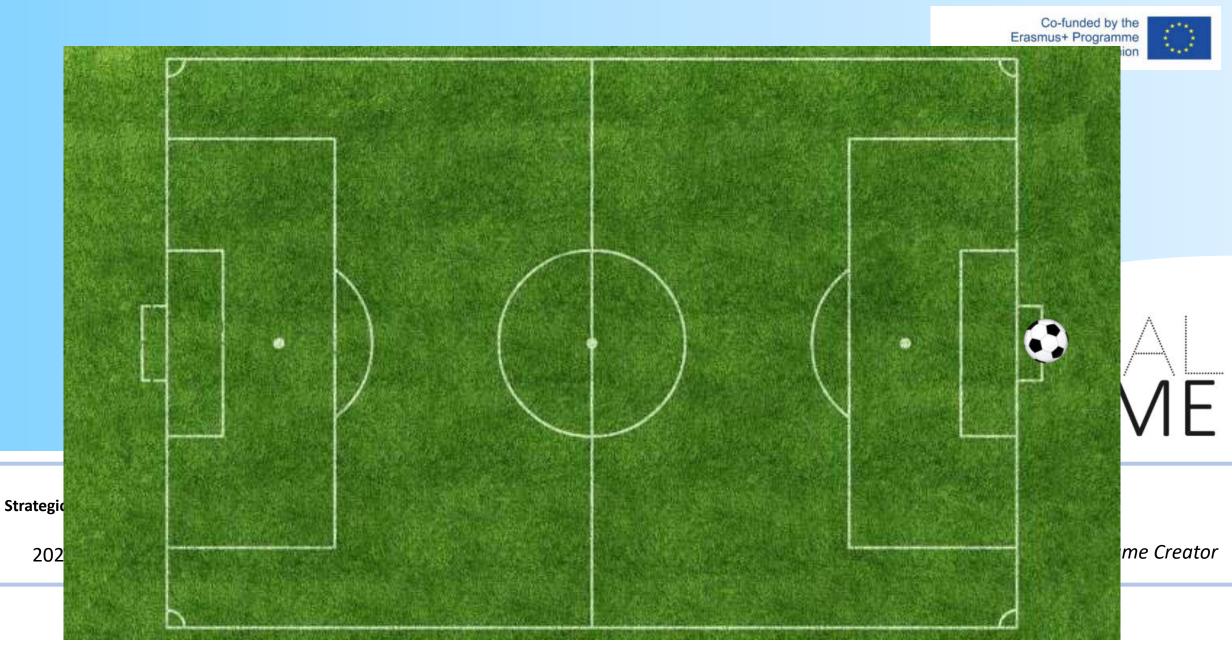
















Badges - Gamification



with regard to good work in lectures and concerning homework

Print out badges and hand them over to learners or post badges on a pin board



Badges erstellen z.B. unter: http://www.onlinebadgemaker.com/3d-badge-maker/



Posts in a Chat etc.

Rollenspiel









Leaderboards



Course Champions

1. Daniel	Courses		

2. Jana 12 Courses 02.02.2020

3. Charlotte 12 Course 13.02.2020

4. Martin 10 Courses 06.02.2020

5. Nina 10 Courses 14.02.2020

5. Matthias 9 Courses 01.02.2020

. Vanessa 8 Courses 03.02.2020

8. Florian 8 Courses 27.01.2020

7 Courses 29.01.2020

10. Kaya 3 Courses 02.02.2020



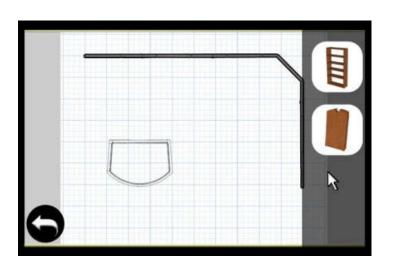




Examples of Serious Games – Fair Project











Serious Games



SEARCH - FIND - USE - E.G. FAIR PROJECT











Examples of Serious Games – MATH

MATH – Mountains of absolutely terrifying height



8 12 2

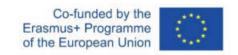
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Fractions and slopes









GAME Examples of Serious Games – MATH











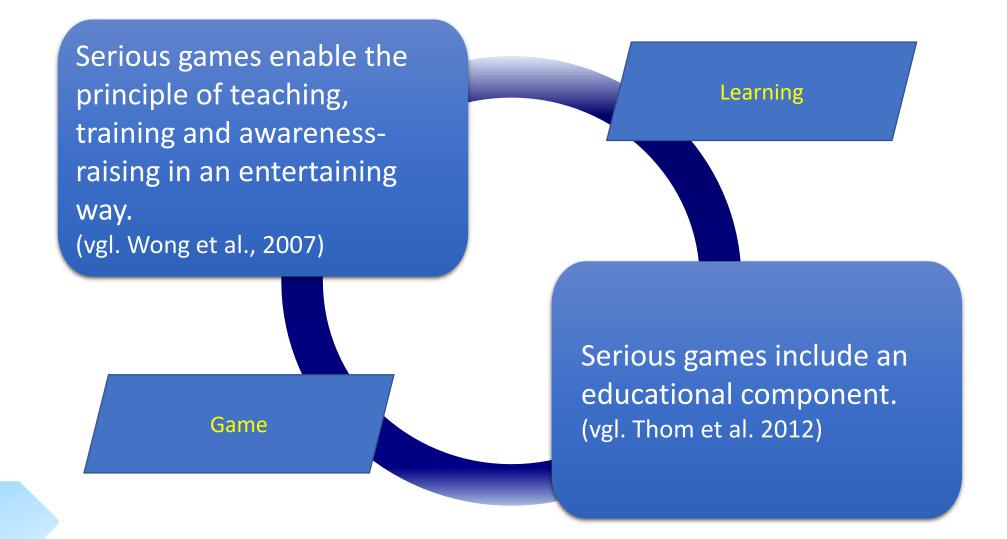
Prof. Dr. Marc Beutner Mediendidaktik SoSe 2017







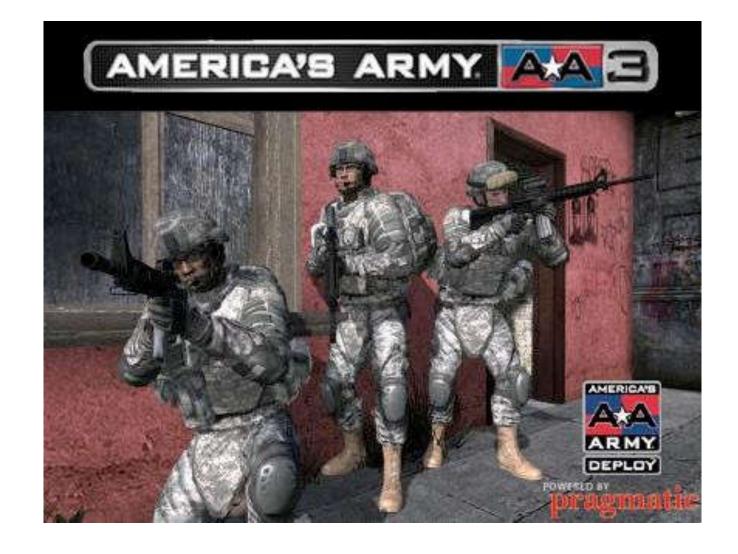
GAME Serious Games













GAME Serious Games ...



"Serious Games is called

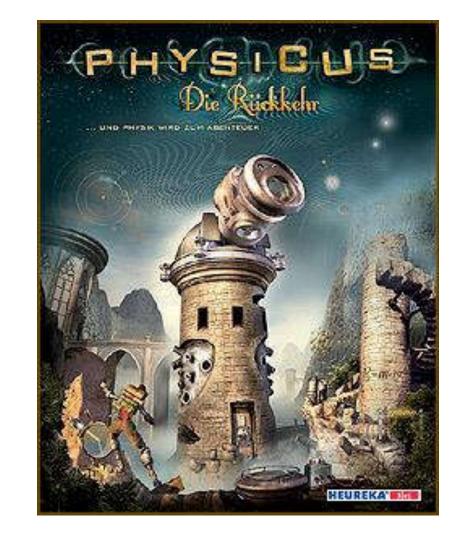
- a special form of e-learning, those using the perception from entertainment software development,
- which fosters competencies for the living environment and
- include them in authentic situations within the game,
- They create and mantain fun and motivation via intrinsic creativity elements and motivational elements.
- Moreover, they integrate such elements in a didactic-pedagogical context that is chracterised by learning through learner activation as well as action and process-oriented learning."

Similar Beutner, M. (2013): Aktuelles Stichwort: Serious Games- Aktuelles E-Learning und Bezüge zur beruflichen Bildung. In: Kölner Zeitschrift für Wirtschaft und Pädagogik. 26 Jg., Heft 50, Köln 2011, S. 111.











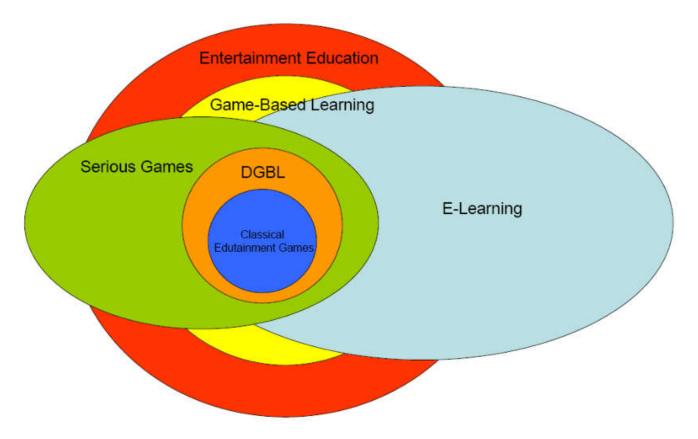


Figure 1: The relations between serious games and similar educational concepts











Serious Games – same same but different

(vgl. Sawyer / Smith 2008) — Alternative gleich-ungleiche Bezeichnungen

- Serious Games
- Educational Games
- Edutainment
- Digital Game-Based-Learning
- Social Impact Games
- Persuasive Games
- Applied Games
- Games for Change







Potentials of Conneting Games to Learning

- "Computer games train the perfect workers of the future" (Deterding 2007: 3, Original in German)
- To play game is essentially connected to learning processes" (c.f. Kerres et al. 2009: 1 Original in German)
- Interaction increases the players'self-effficacy (cf. Lampert et al. 2009: 12, Original in German)
- Increasing motivation by adaption of levels (c.f. Vollbrecht 2008, Original in German)
- Repeatbility leads to experience and differences in experience (development processes)
 (c.f. Corti 2006 Original in German)







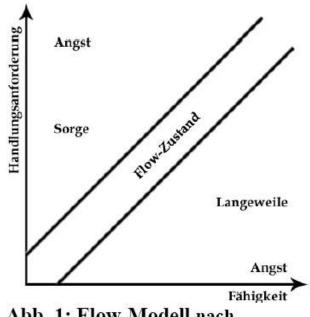


Abb. 1: Flow-Modell nach CSIKSZENTMIHALYI, (1985, S. 75)

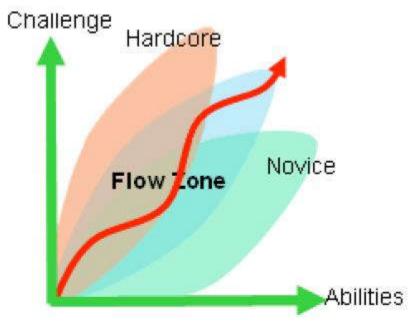


Abb. 4: Flow-Zonen (CHEN, 2006, S. 10)

Vgl. hierzu auch Schnelle, C. H. (2015)





GAME Too complex for daily work in higher education



Therefore:

Mini Serious Games

They will be easy to design with the

IDEAL-GAME Online Serious Game Creator





GAME Mini Serious Games in the IDEAL GAME project



Serious games for learning professional and subject related vocabulary

Serious games for assignment of corresponding facts and terms

Serious games which focus on process flows

Competitive serious games to enhance learning

Puzzle Games





Contact

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Thank you very much for your attention!



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