Serious games for e-health care

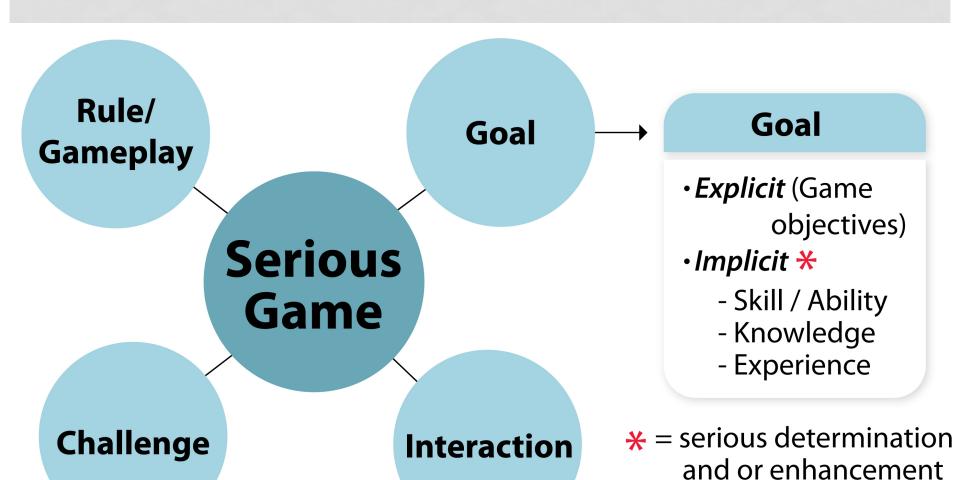
Voravika Wattanasoontorn, Ruben Jesus Garcia Hernandez and Mateu Sbert

The Institute of Informatics and Applications, University of Girona, Spain

INTRODUCTION

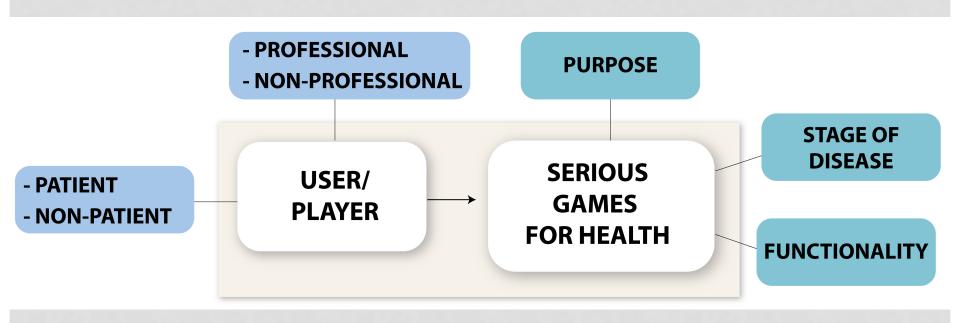
- Serious games
- Importance of health
- The use of serious games to promote health

CHARACTER OF SERIOUS GAMES



with user/player

CLASSIFICATION OF SURVEYED SERIOUS GAMES FOR HEALTH



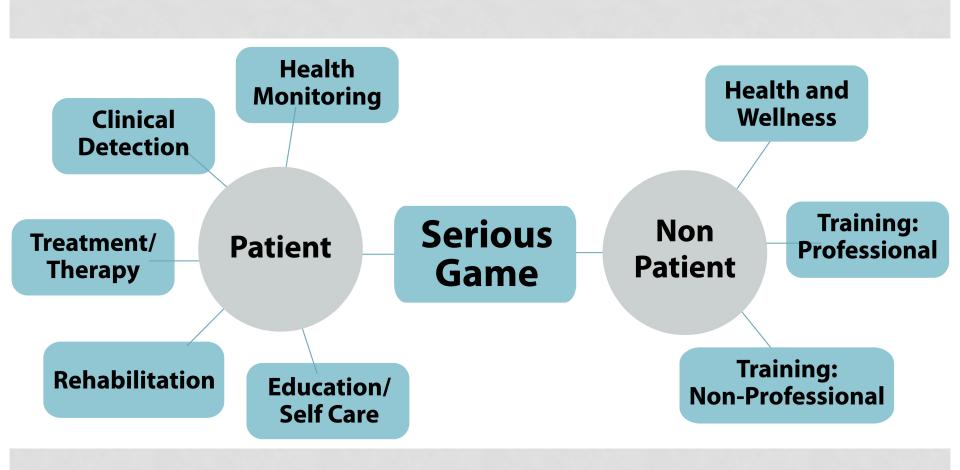
CLASSIFICATION BY MAIN PURPOSE

- 1. The main purpose is entertainment
- 2. The main goal is Health
- 3. Serious use in health and medical purpose

CLASSIFICATION BY STAGE OF DISEASE

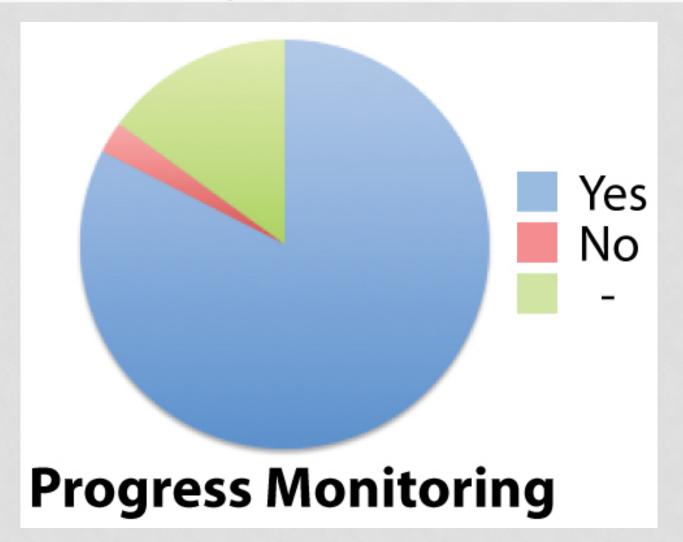
Stage of disease	Serious Game
	purpose
Stage of Susceptibility	Monitor
Presymtomatic Stage	Detect
Stage of clinical disease	Treatment,
	Therapy
Stage of disability	Rehabilitation,
	Track and Trace

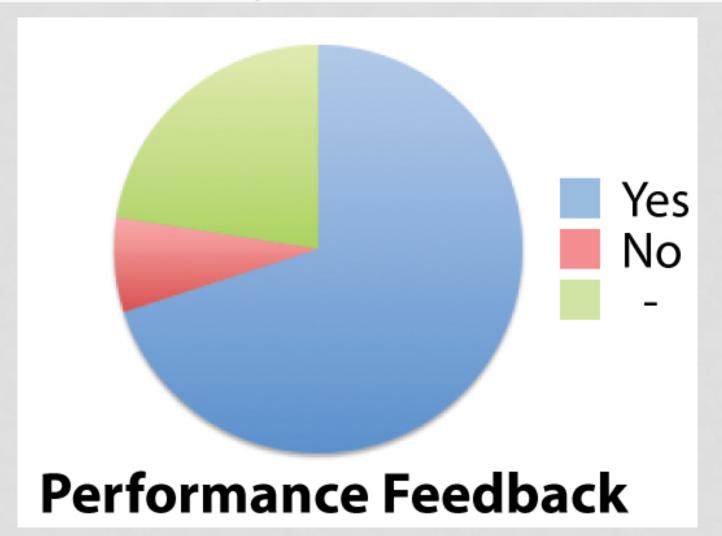
CLASSIFICATION BY PLAYER (PATIENT/NON-PATIENT)

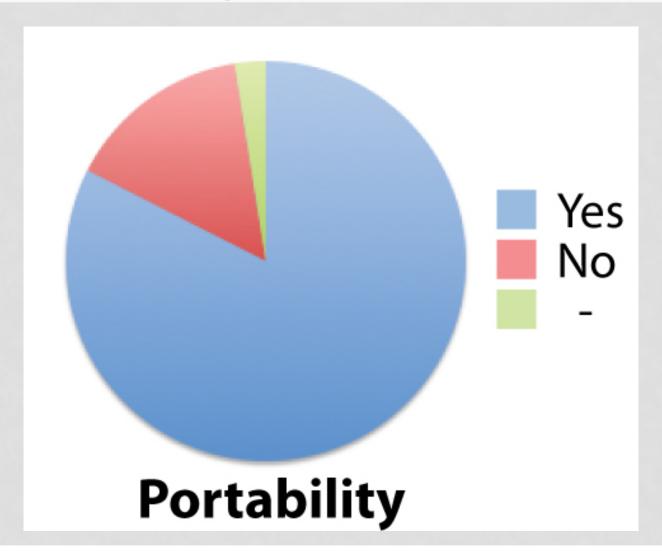


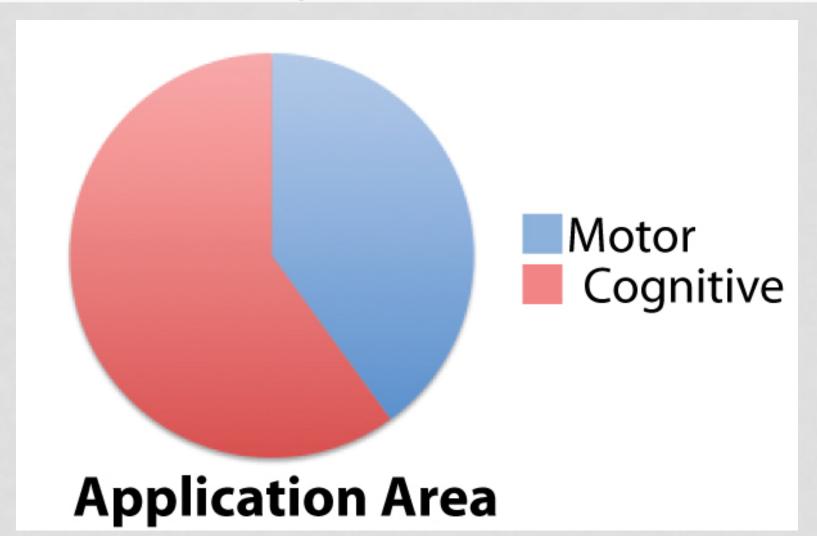
CLASSIFICATION BY FUNCTIONALITY

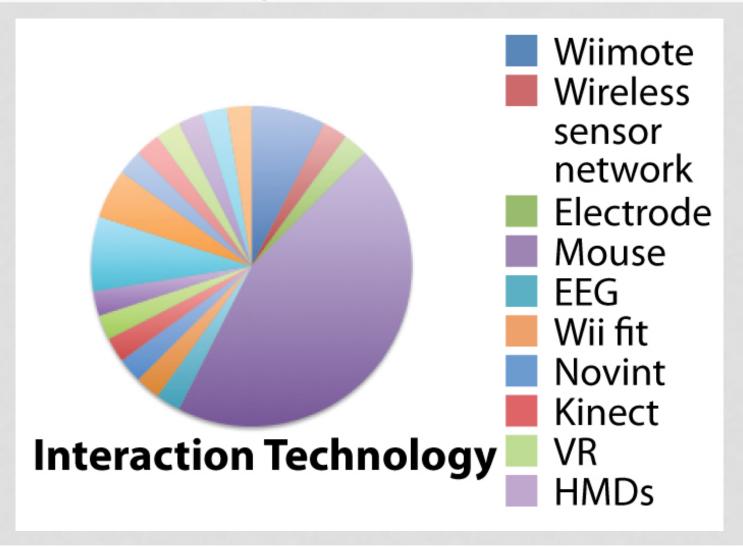
- 1. Application area 10.Game Engine
- 2. Interaction Technology
- 3. Game Interface 11.Platform
- 4. Number of Players 12.Health Objective
- 5. Game Genre 13.Connectivity
- 6. Adaptability
- 7. Performance Feedback
- 8. Progress monitoring
- 9. Game portability

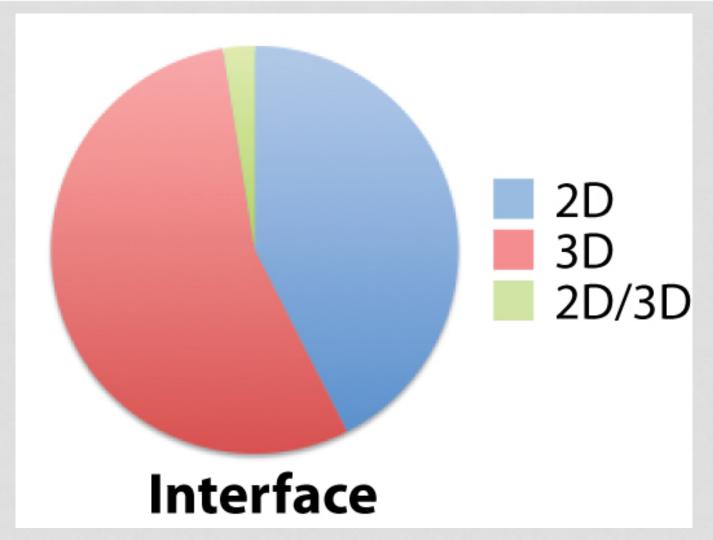


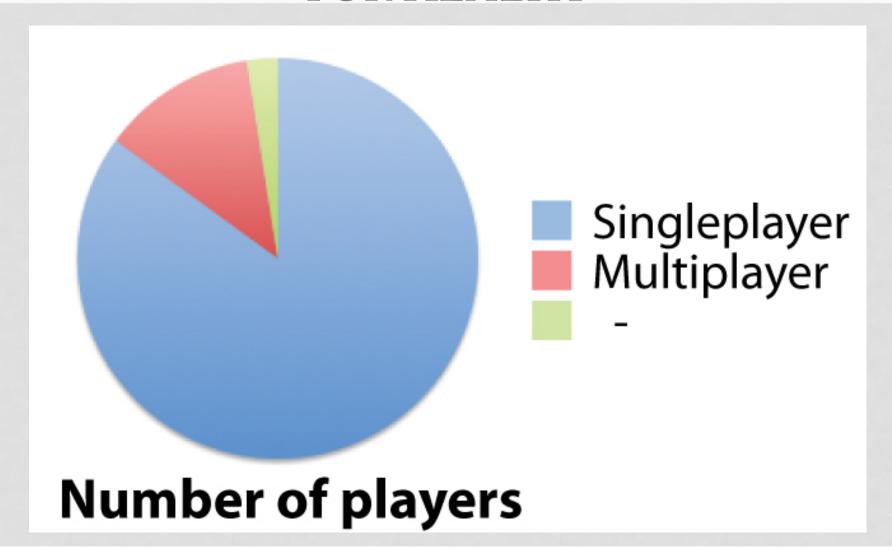


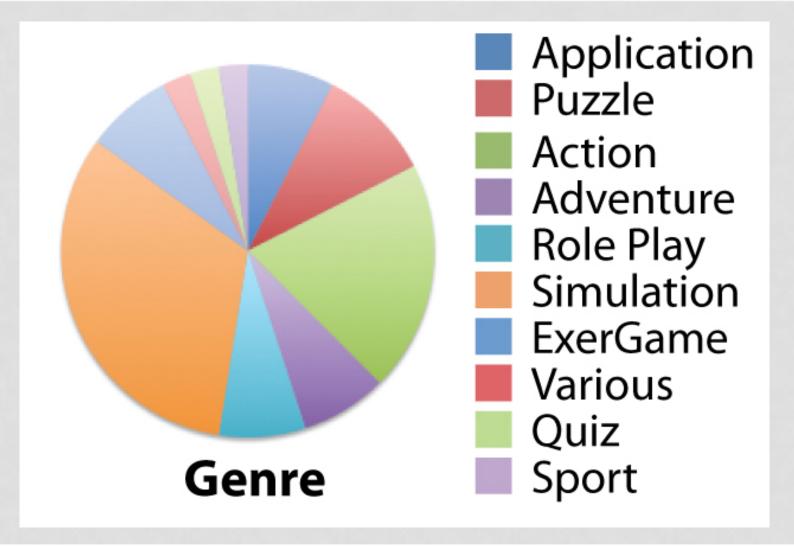


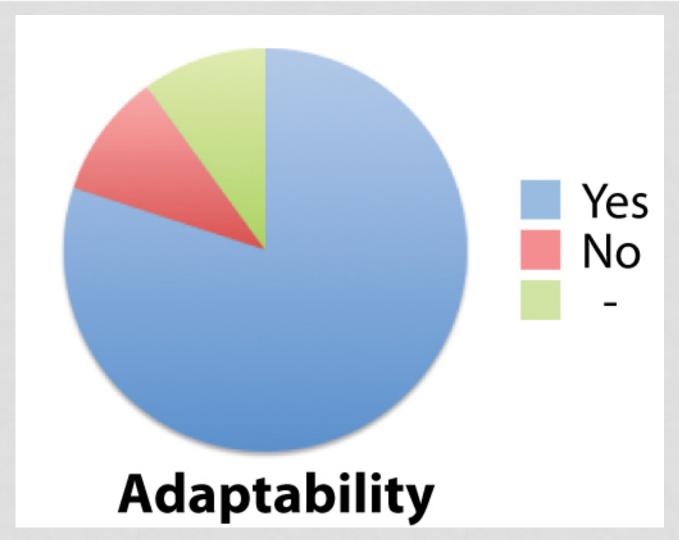


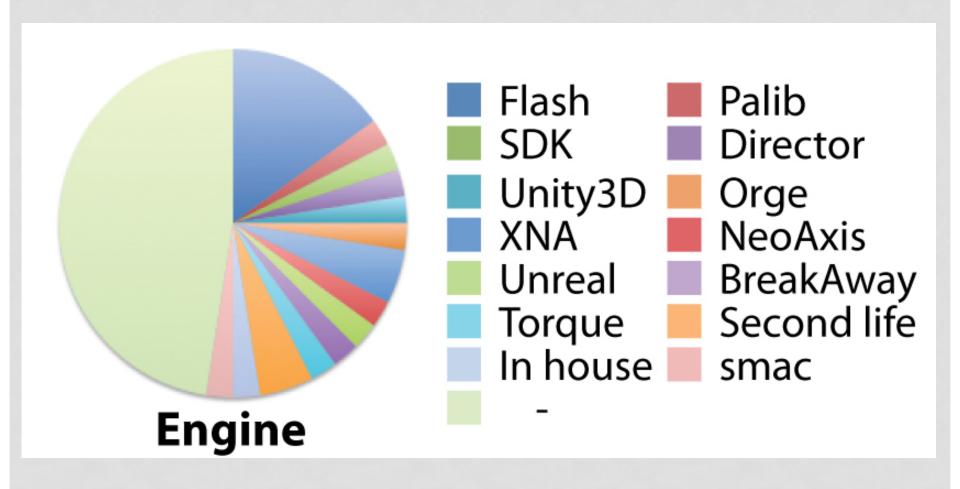


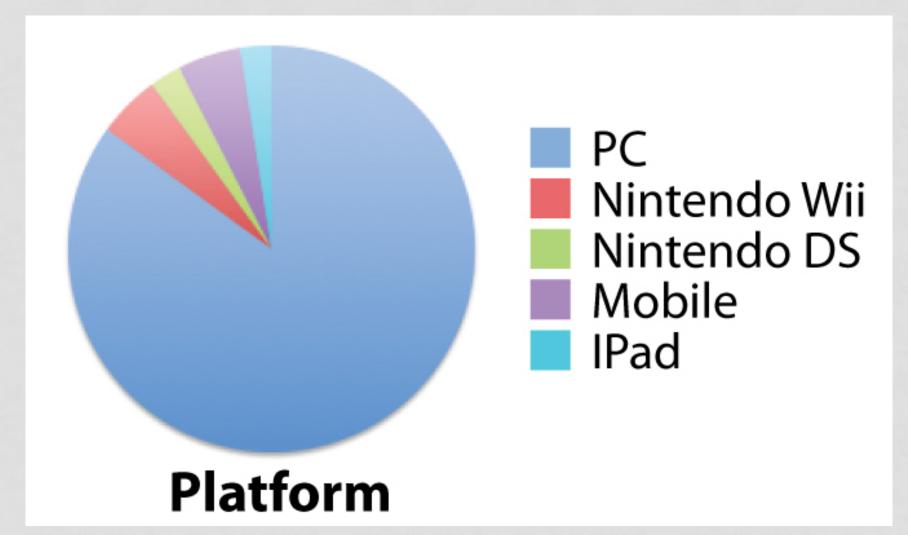




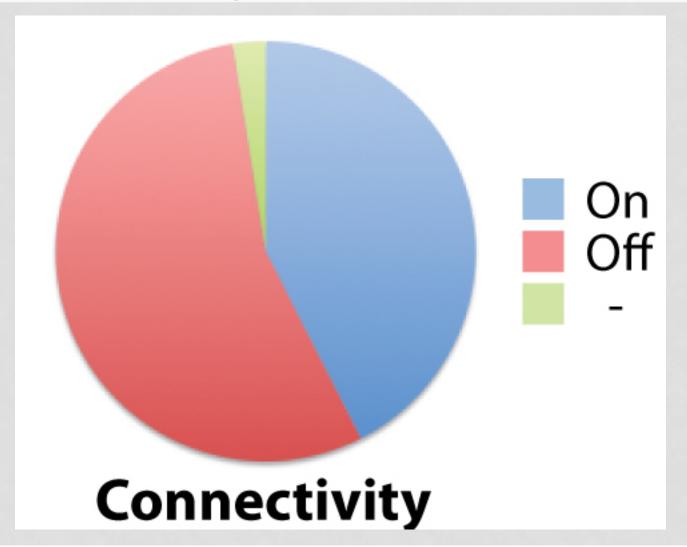












CONCLUSION

The typical game can be summarized as a portable PC game programmed in Flash, using mouse interaction and including progress monitoring, performance feedback and adaptability, although the variability of games is quite large in many aspects.

THANK YOU

RUBEN JESUS GARCIA HERNANDEZ