Technology, a game changer for a level playing field in sports!?
“Do we need a game changer for a level playing field in sports? And if yes, could technology be this game changer?”
“Technology as a game changer or game-changing technologies?”
Church model - stages of a sports active life
(Scheerder & Vos, 2013)

- Elite sports
- High level competitive sports
- Media sports
- Performance sports
- Participation sports

Physical Education

(Active) Play
Source: Vos (2016)
Traditional Sports

'Unorganized' Sports

eSports


Sports
means to an end

Traditional Sports

for sake of itself

’Unorganized’ Sports

eSports
“Yes, but what about issues such as institutionalization, governance, transparency, fair play, social stratification, privacy, …”
Traditional Sports

'Unorganized' Sports

eSports

WOW Anaerobic 15

Finish in 43:08

2 min @ 100w
5 min @ 395w
2 x 10 sec @ 395w
2 min @ 215w

ride at 100w for 2 min at 85rpm

99 w 148

8 sec

4th/16

D. Gose

D. Howe

R. Mattix

A. Tsuji

N. Kusumoto (83)

D. Ivanov

S. Codwiomple

S. Barger

S. Martinez

B. Stevens

S. Bicicletti

S. Bicicletti

B. Stevens

B. Stevens

B. Stevens

2m 2m 1m 1m 0m

A. Tsuji
“Friday 3pm, the last hour of the school week just started: PE class; with basketball on the schedule. Although I like it, I am terrible at it. The first game starts, and I am in the best team. I am trying to get to the ball, but others easily ignore me. In the heat of the game they do not see I get excluded.”
“Balanced engagement in mixed level sports through a wearable team coach”

“By visualising information that was previously hidden we appealed to a feeling of social responsibility within a team – creating more awareness on balanced engagement”

“Creating social safety and connection, physical activity and coaching through adaptive technology”

Vos et al. (2017) Developing and implementing a 1.8k interactive and smart running path in an urban area. In press.
“I’m convinced that technology has unique assets to become a game changer for a level playing field in sports. However, we are not there yet. We need to cross borders and embrace the values of sports (in society). In the end we just want to play the game.”
“Just an idea, but you could have a look at it from a different perspective. Have an inspiring evening”