



Telecommunications  
Standards Development  
Society, India

# TECH DEEP DIVE

TTDD 2022 CONFERENCE (5<sup>th</sup> EDITION)

**STANDARDS FOR SUSTAINABLE DEVELOPMENT**

 **Date:** 7-10 November 2022

**Session 5 XR and Immersive technologies**  
**9th November 2022**  
**Standardising Immersive Experiences for All**  
*by*  
**Pilar Orero**  
**(Universitat Autònoma de Barcelona)**

# Background work

Gathering evidence base data towards standardisation

- Bottom up approach
- Multidisciplinary teams
- Financed by EU
- 



Funded by the Horizon 2020  
Framework Programme of the  
European Union

# Findings 1

New consumer  
behaviour

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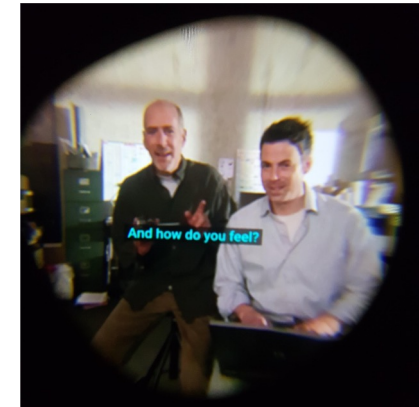
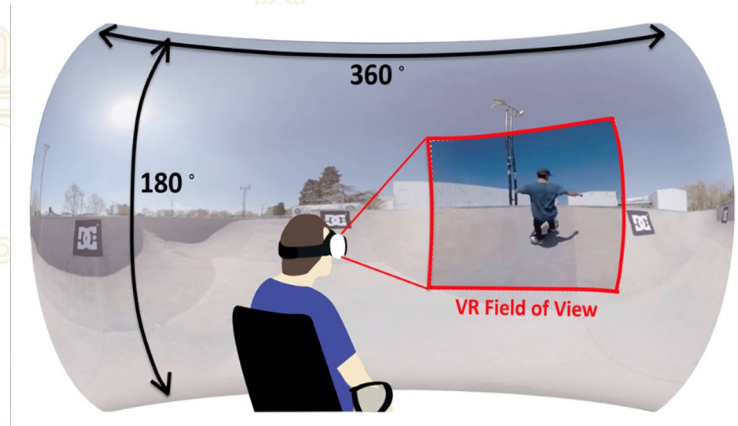
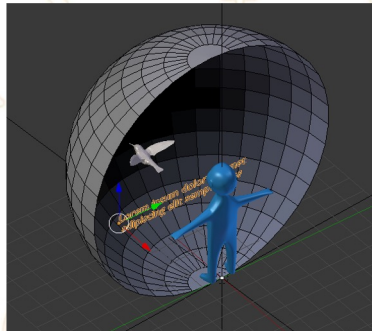
2D



VR

## Findings 2

### Field of View and Quality



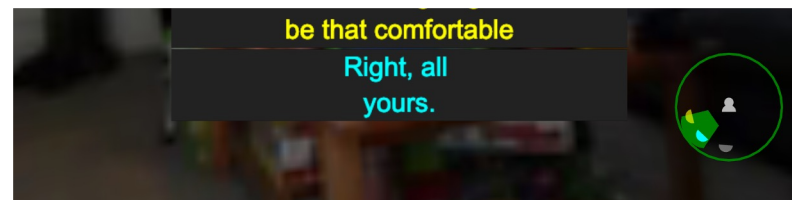
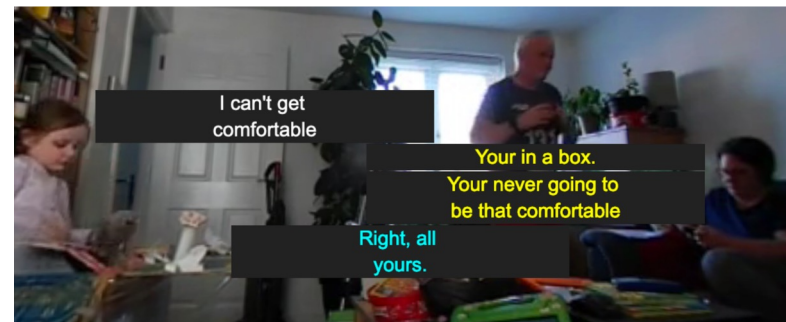
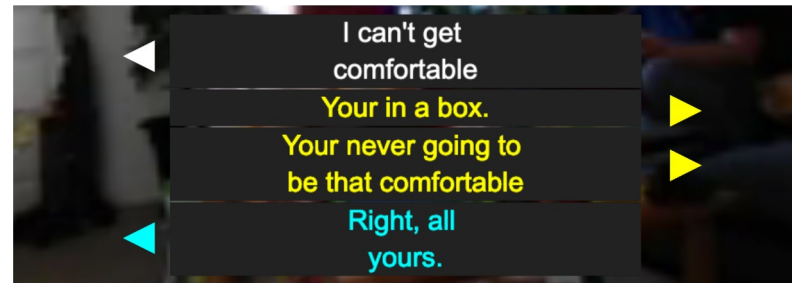


## FINDINGS 3

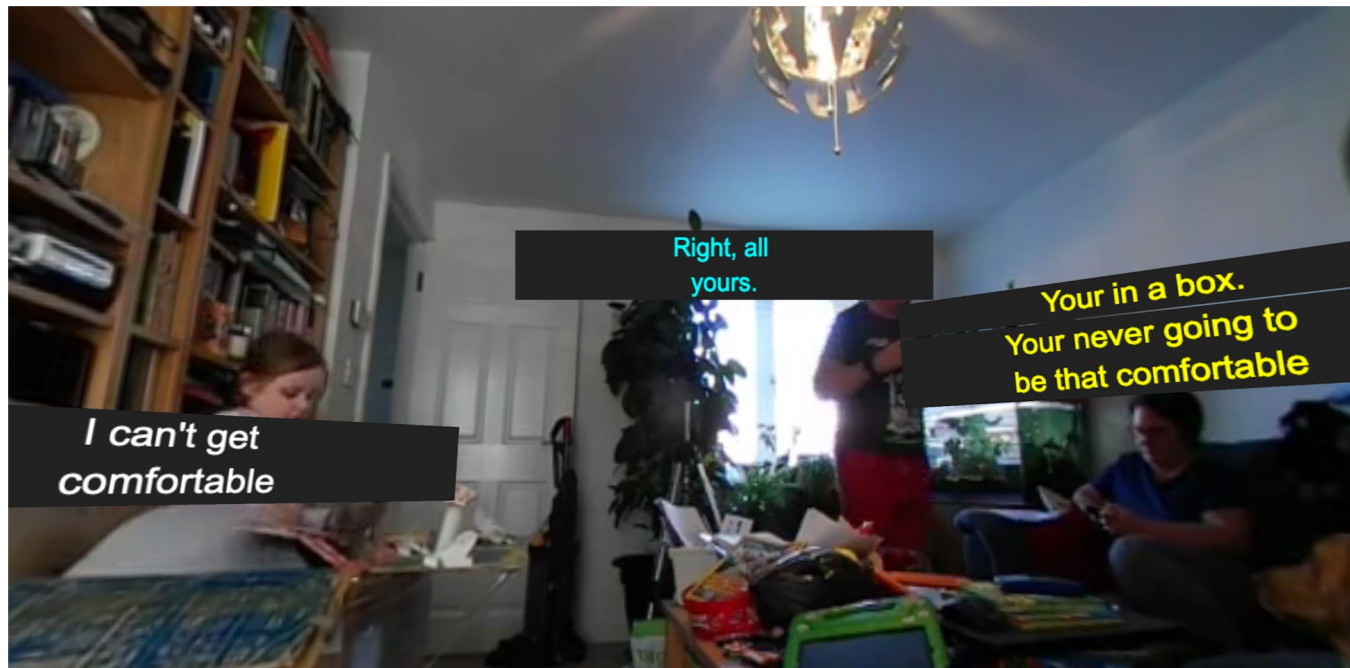
### SPEAKER IDENTIFICATION



# GUIDING MECHANISMS

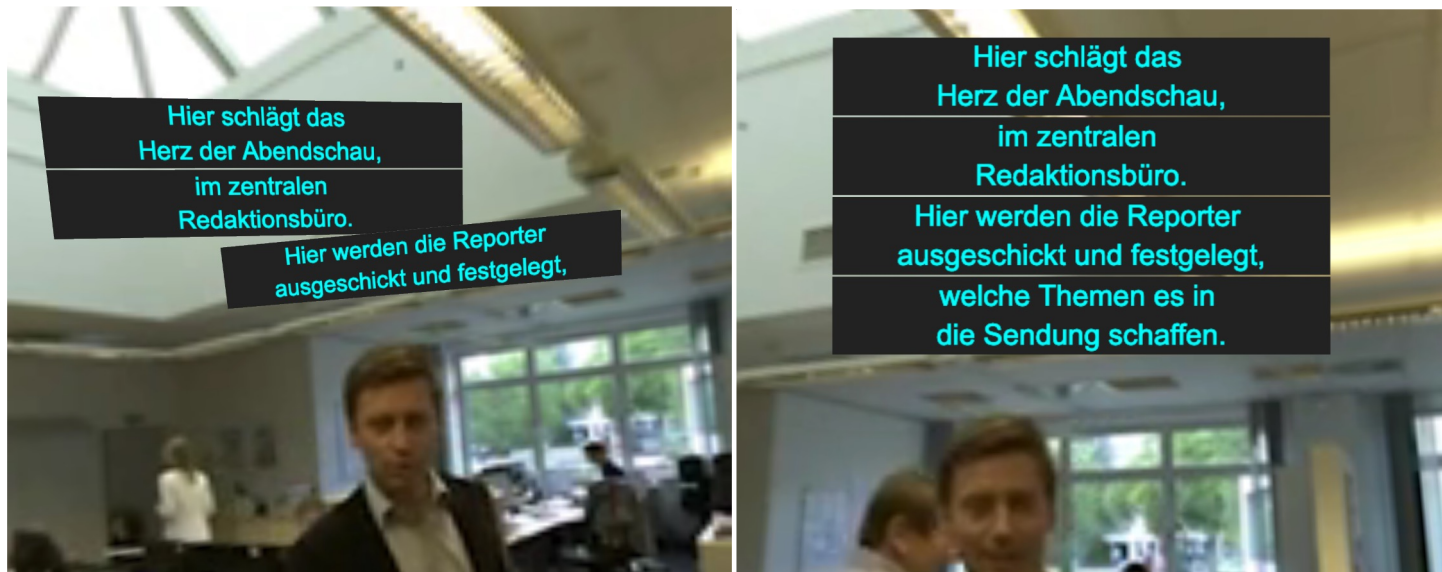


# SUBTITLE LOCKED UNDER SPEAKER



<https://www.chxr.org/360/>

# PRESENTATION OF MORE THAN ONE SPEAKER



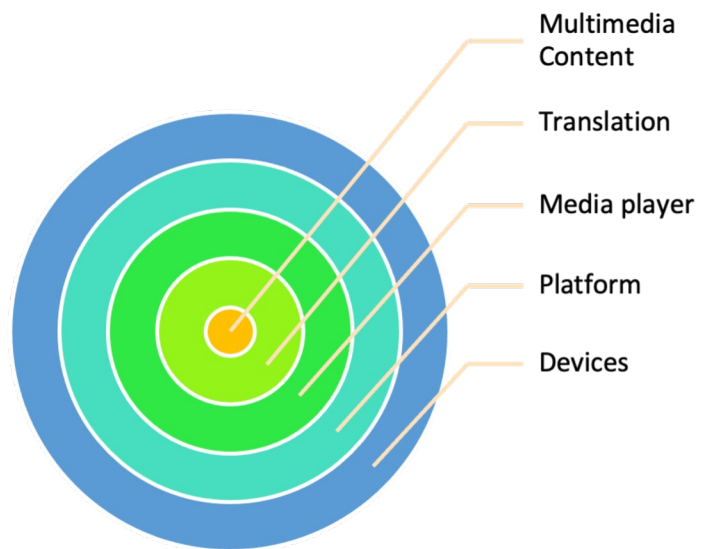
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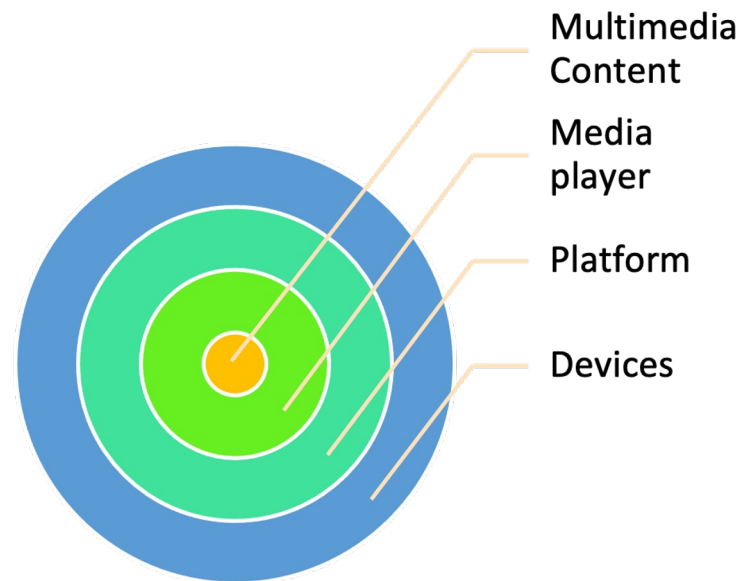
# PERSONALISATION



<https://www.chxr.org/360/>



End to end accessibility



# GREEN SCENT

SMART CITIZEN EDUCATION  
FOR A GREEN FUTURE



Thank You



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