

**8th Live Subtitling and Accessibility Symposium  
Barcelona, 19 April 2023**

# GreenSCENT at ITACA: Combining XR, Accessibility & Sustainability

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# Ítaca campus



# GreenVerse application

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- **GreenVerse** is an interactive digital storytelling platform
- **Upload and share multimedia content**, combining images and videos (3D and 2D) as well as text and audio
- **Ability to integrate accessibility features**, such as **audio description**, **subtitles** and **captions**



# SMART CITIZEN EDUCATION FOR A GREEN FUTURE



CREATE



EXPLORE

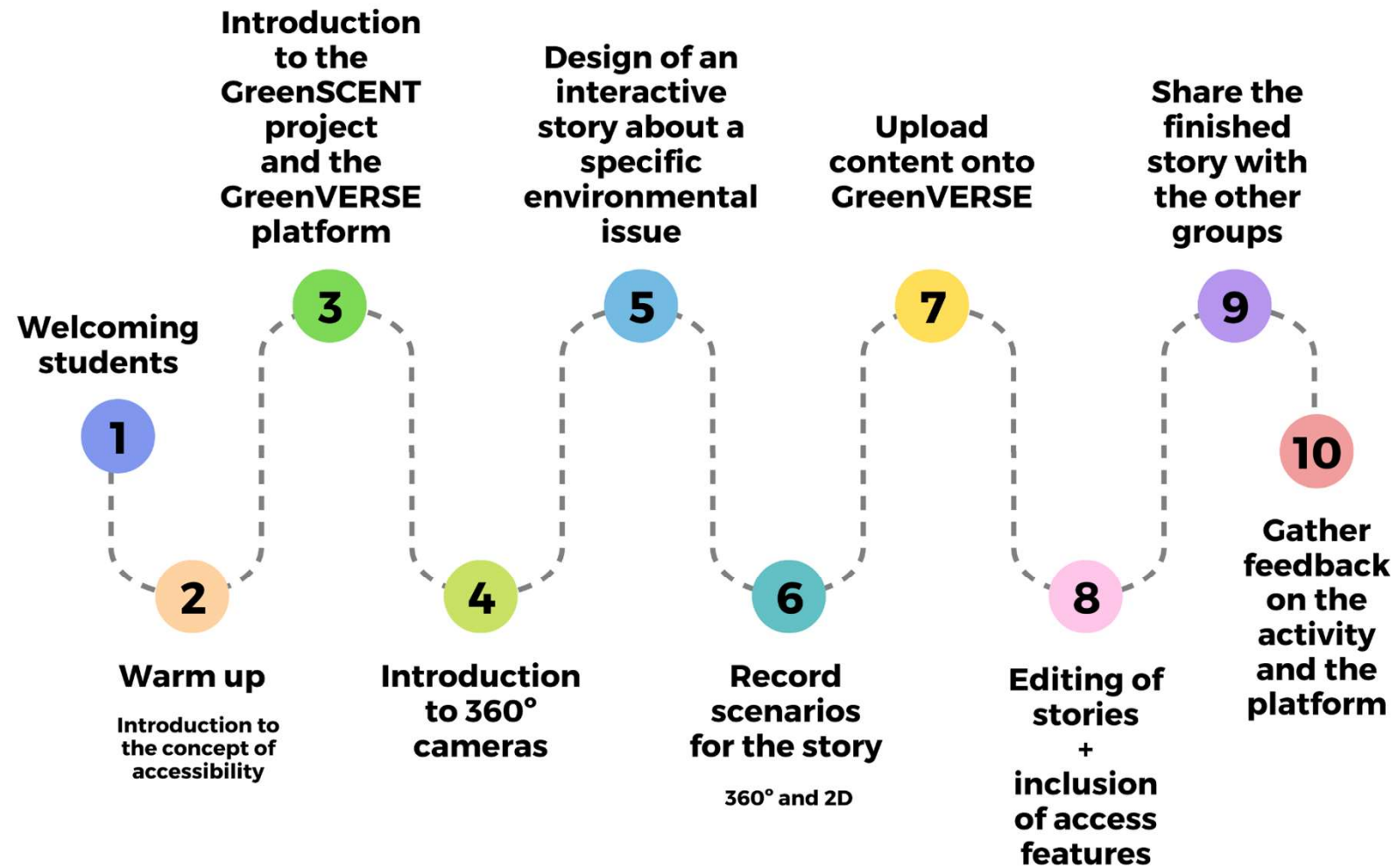


LIBRARY

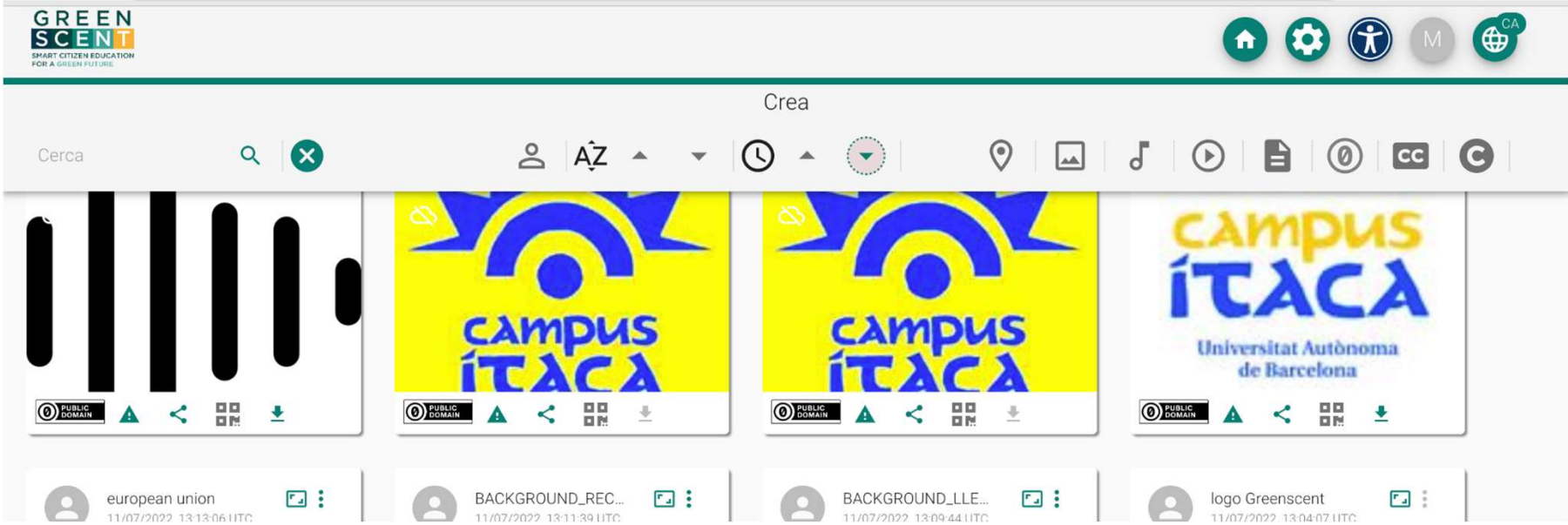


# Workshop procedure

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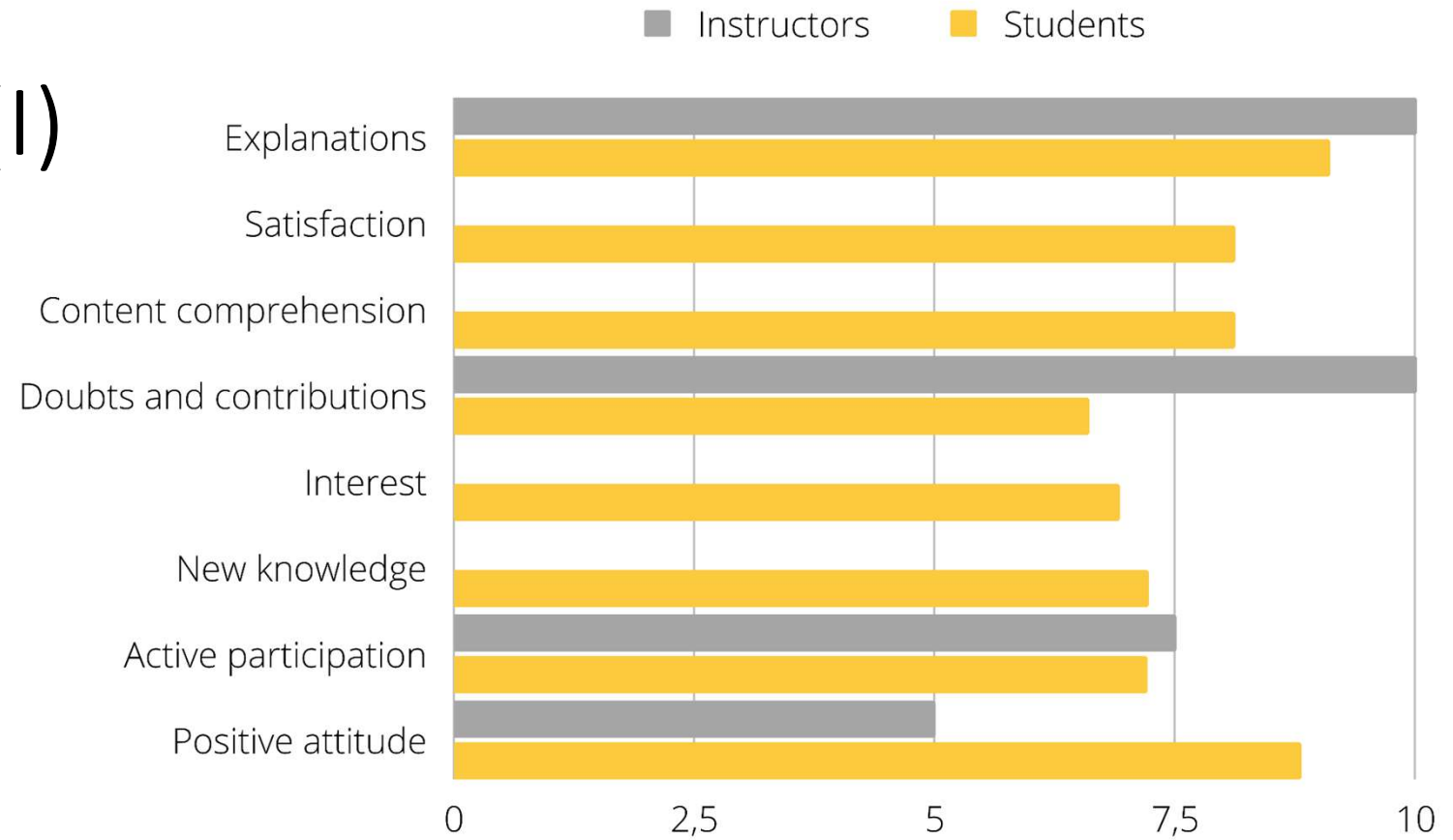


# Student's stories from ITACA Campus



# Results from ITACA (I)

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## Results from ITACA (II)

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- ✓ Students were **able to use** the GreenVerse platform
- ✓ Students worked together to **co-create** their own digital stories, with added accessibility features
- ✓ Students **applied their knowledge of sustainability** to solve common environmental issues around the UAB campus
- ✓ XR technology made environmental issues **less abstract**



# Preliminary conclusions

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Benefits of a more **hands-on approach to learning**



Use of technology as an **educational tool, specifically XR**



Students applied their **knowledge** and **creative skills** to address common environmental problems

# Coming soon...

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McDonagh, S., & Brescia-Zapata, M. (2023). Combining XR, accessibility, and sustainability in the classroom: results of an exploratory study. In A. Fegely & T. Cherner (Eds.), *Bridging the XR technology-to-practice gap: methods and strategies for blending extended realities into classroom instruction*, (pp. 67–80). Association for the Advancement of Computing in Education.

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## Thank you for listening!

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**SWISS** **TXT**



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