



Immersive technologies for learning and training at NTNU

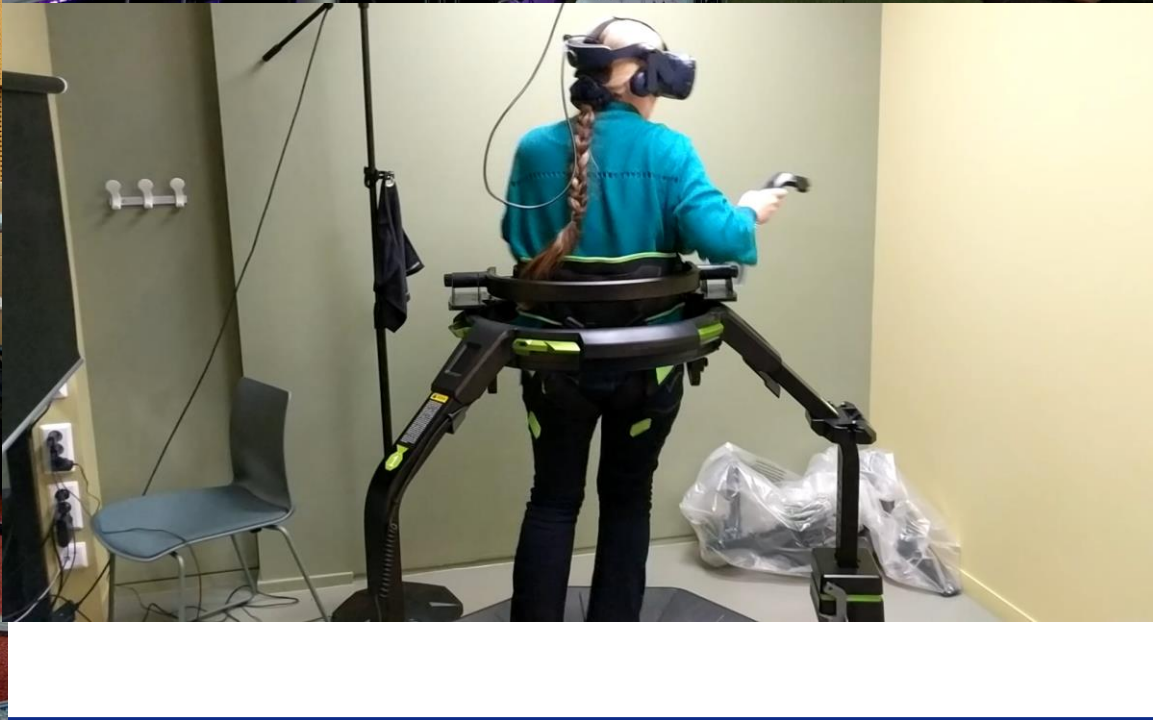
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Innovative Immersive Technologies for Learning (IMTEL) VR lab Dragvoll

- Top-modern and unique innovative learning area, part of NTNU VRlab network
- VR/AR apps for learning in different subjects, e.g. math, language, climate, history and medicine
- Activities for NTNU, schools, industry, public sector
 - Innovation days: May 7th!
 - With up to 50 visitors per day, over 80 per week
 - NAV, Trondheim municipality, Norwegian Army, TrønderEnergi, TINE, HP, Atea, Equinor osv
 - From other cities and even countries



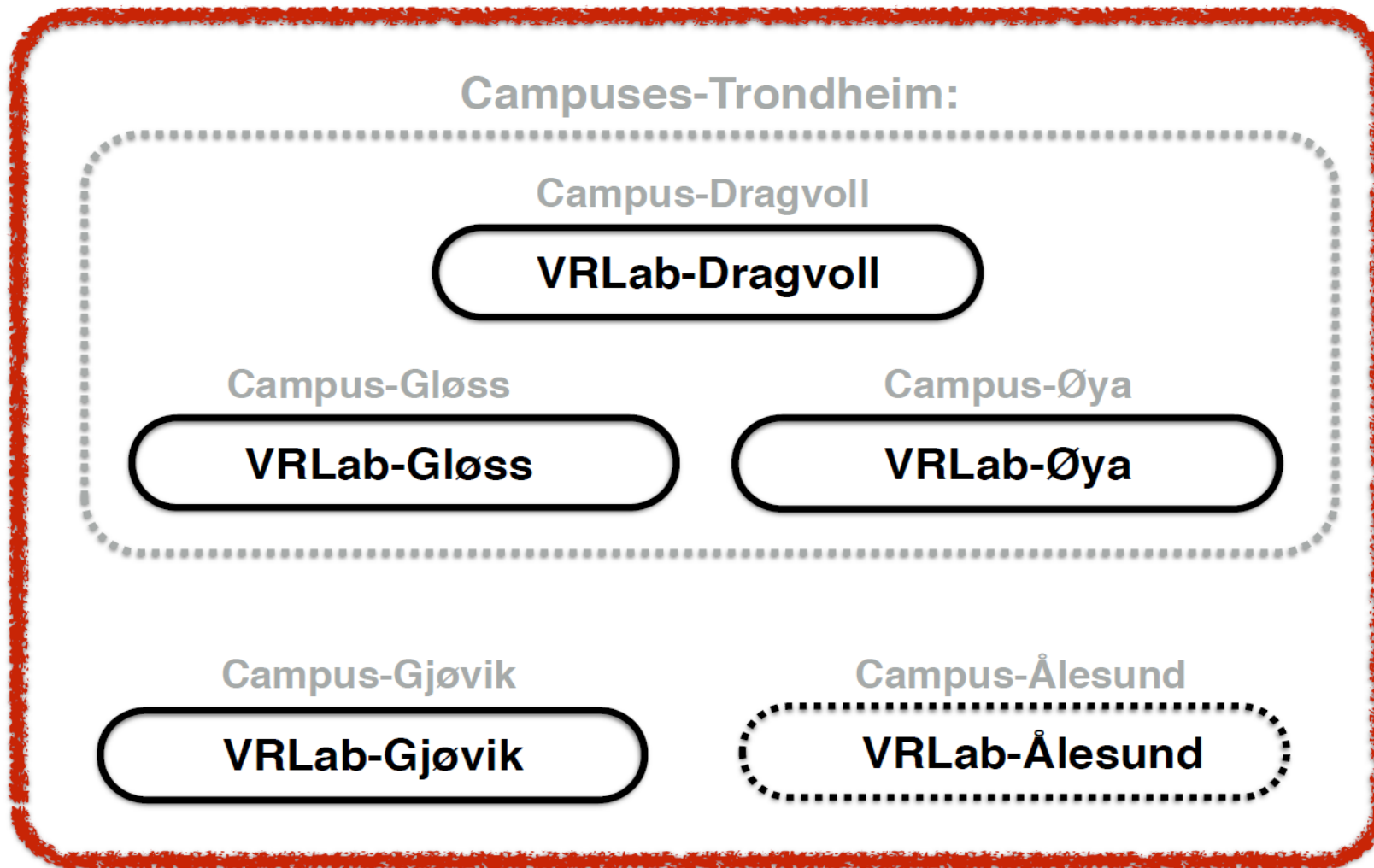
5 Innovation days in 2018-2019

- **September 2018:** Immersive Technologies at the Workplace
- **November 2018:** Active Learning with Augmented Reality and Wearable Sensors
- **January 2019:** Extended Reality in Learning, Media and Health
- **March 2019:** VR for Everyone
- **May 7th:** VR/AR and Serious Games

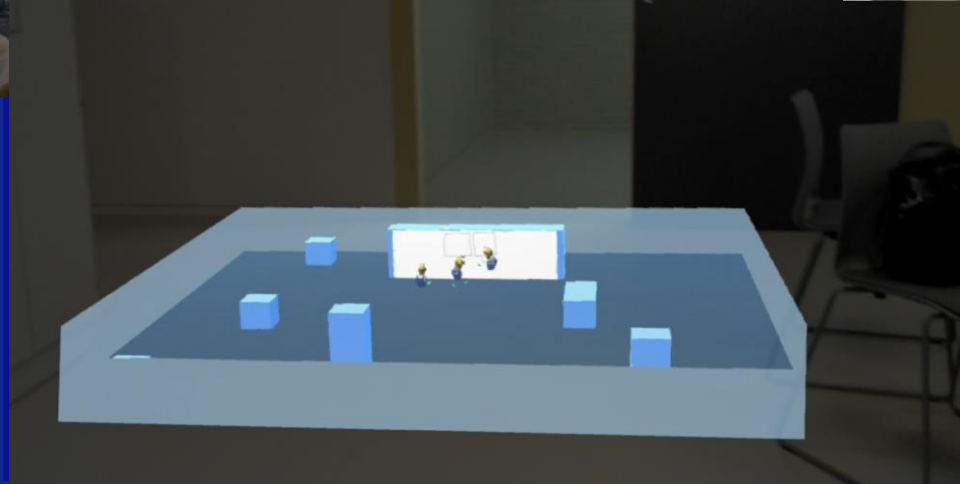
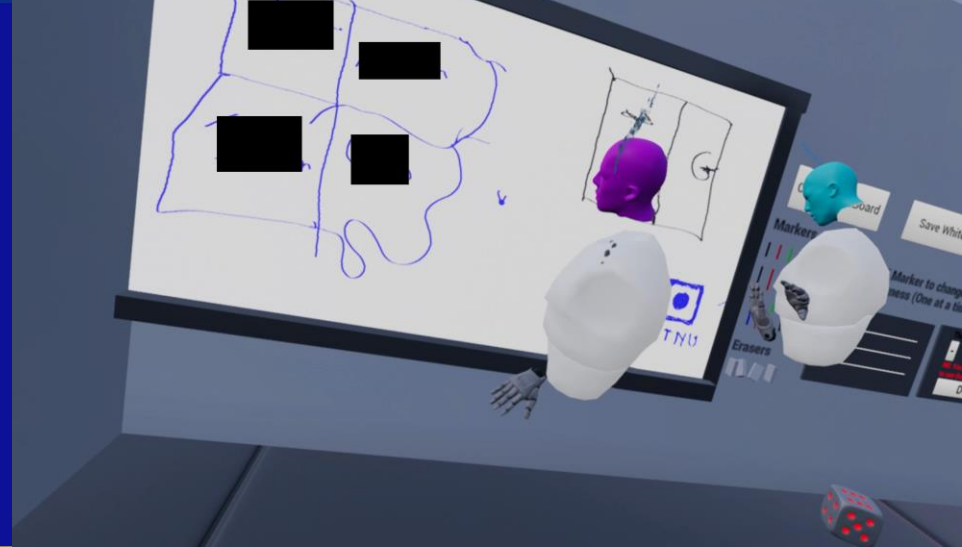


Four campuses – one reality

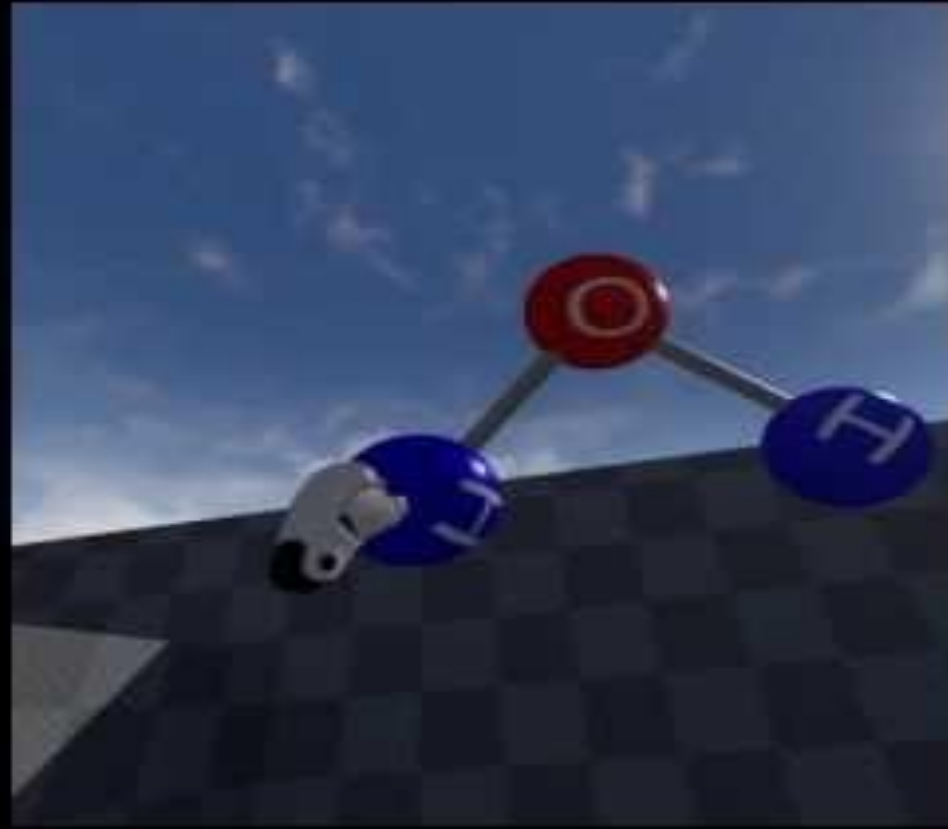
VRLab-NTNU:



NTNU merger in VR: Trondheim, Gjøvik, Ålesund



Trondheim-Gjøvik meetings in VR



Trondheim-Gjøvik live in VR



Virtual Internship VR/AR with NAV

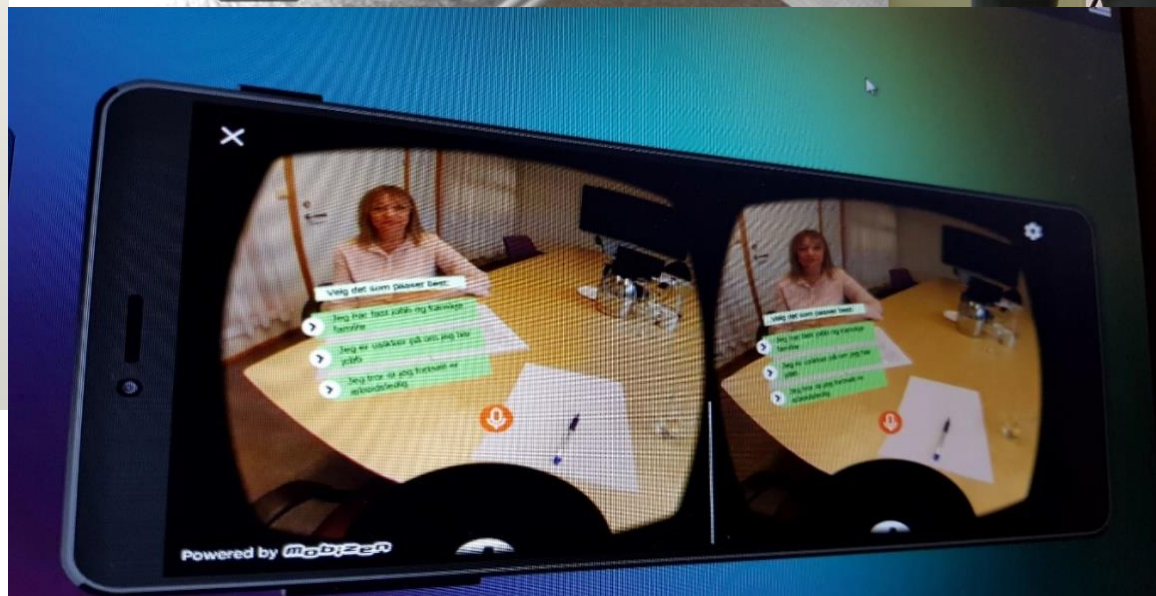
Adresseavisen

NAV director Sigrun
Vågeng's chronicle



70 unge trøndere har testet jobber med nye briller

For tiden tester unge trøndere ut om fiskeoppdrett kan være jobben for dem. Det gjør de ved bruk av spillteknologi og VR-briller. Og dette er bare én av måtene NAV tenker nytt på, for å motivere unge arbeidssøkere.



Virtual 'job taste' for young job seekers



Det kan man nå teste selv med **VR-briller**



Fiskeoppdrett og slakteri i VR

Virtuell Praksis plass
2017-2019

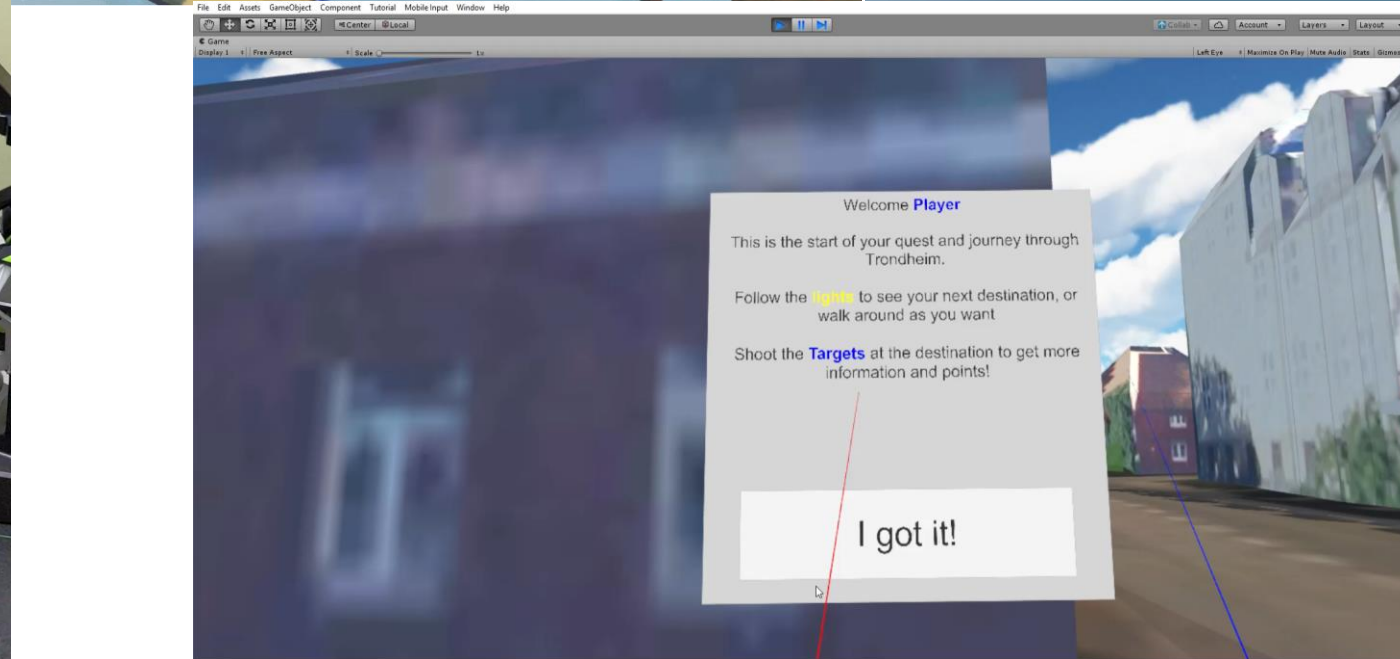
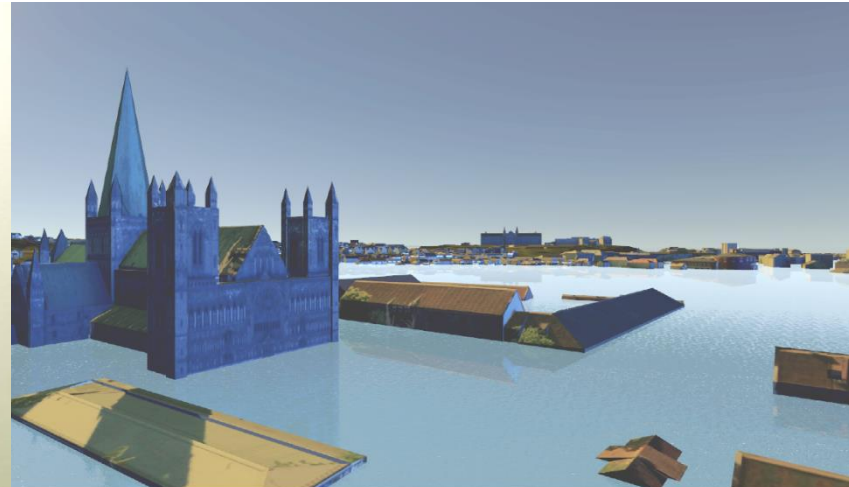
Medical visualization and procedure training: Sphenoblock in Mixed Reality and VirSam (Virtuell Samhandling)



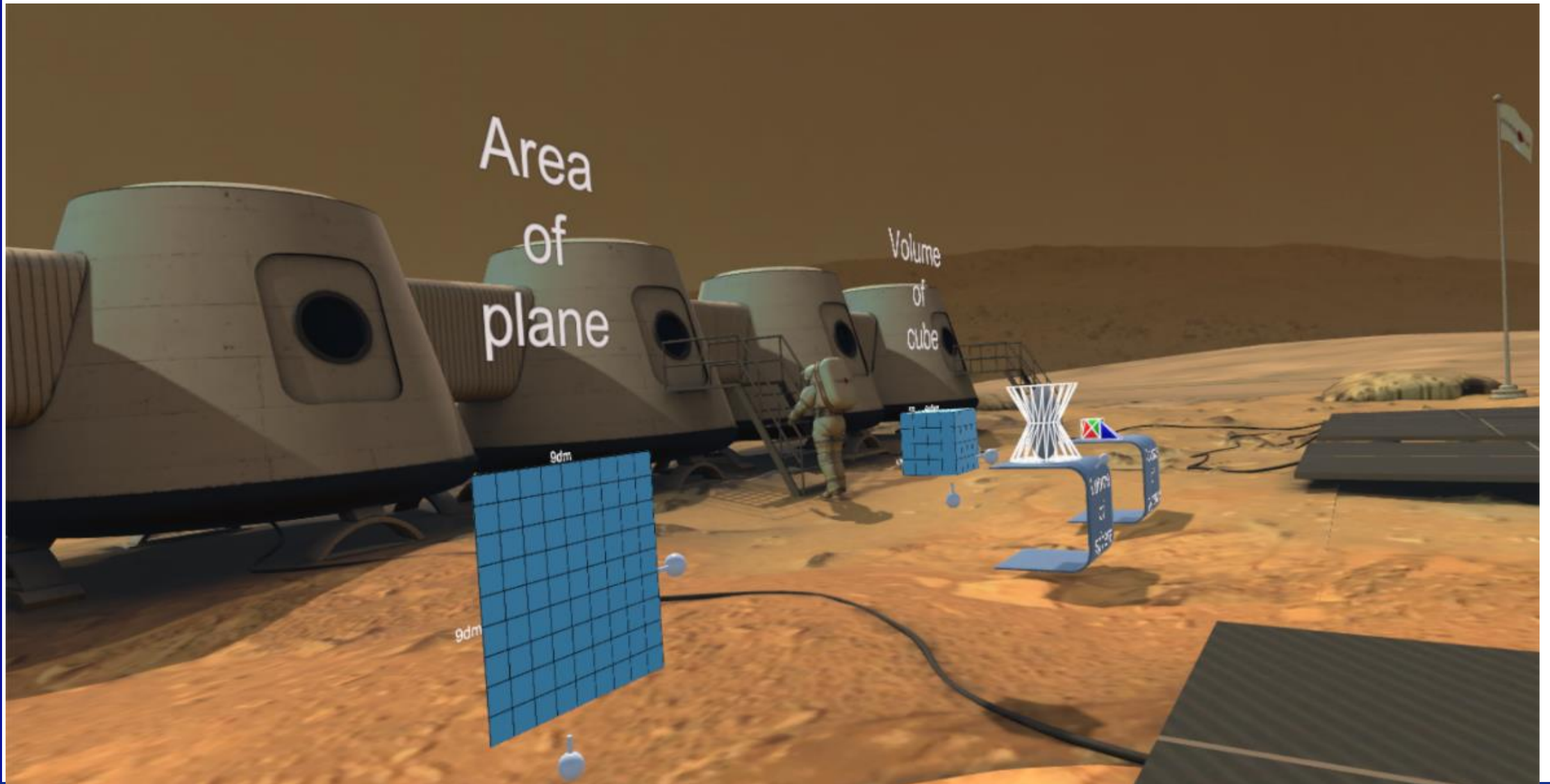
NTNU rector Gunnar Bovim is training on Sphenoblock procedure with Magic Leap technology as the first in Norway



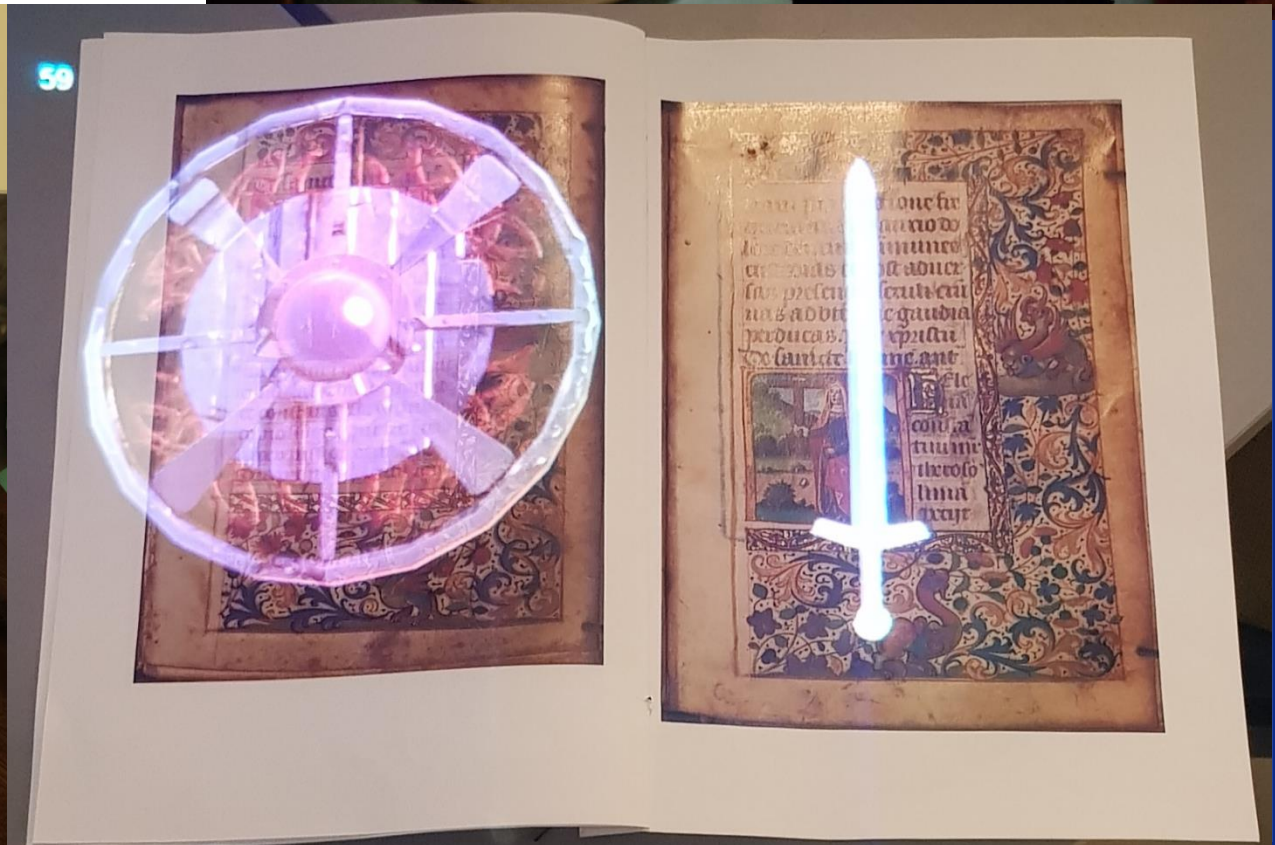
Visualization of climate change in Trondheim for the Big Challenge festival



Learning Math on Mars in VR



Historical manuscripts in Mixed Reality



Women in Immersive Tech

- Women in VR/AR Norway
- Women in Immersive Tech Europe
- Women in VR



IMTEL in 2019

- Innovation Day May 7th!
- New Postdoc in Immersive Technologies for Learning (Higher Education)
- IMTEL lab used in courses from different study programs: Teacher Education, Pedagogy, Cultural Studies, Geography, Anthropology, IT, high schools etc
- Erasmus + Digital Competencies for Language Teachers
- Exhibiting at the Big Challenge science festival in June
- Collaboration with industry and public sector (NAV, TrønderEnergi, Equinor, HP, Salmar, Sintef etc)
- A part of XR Norge/XR NTNU network
- NTNU-Sintef XR Gemini center
- Contact us to include Immersive Technologies in your teaching and research!
- Visit our lab at Dragvoll!

Questions?

- Visit our demo!
- @IMTEllab
- ekaterip@ntnu.no
- Innovation Day May 7th combined with XR NTNU meeting



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