CENTRE FOR INNOVATION
Leiden University

Universiteit Leiden

LET'S CHALLENGE THE DESIGN OF EDUCATIONAL 360-VR

New Media & Digital Learning Lab
Jeanine Reutemann & Monique Snijder

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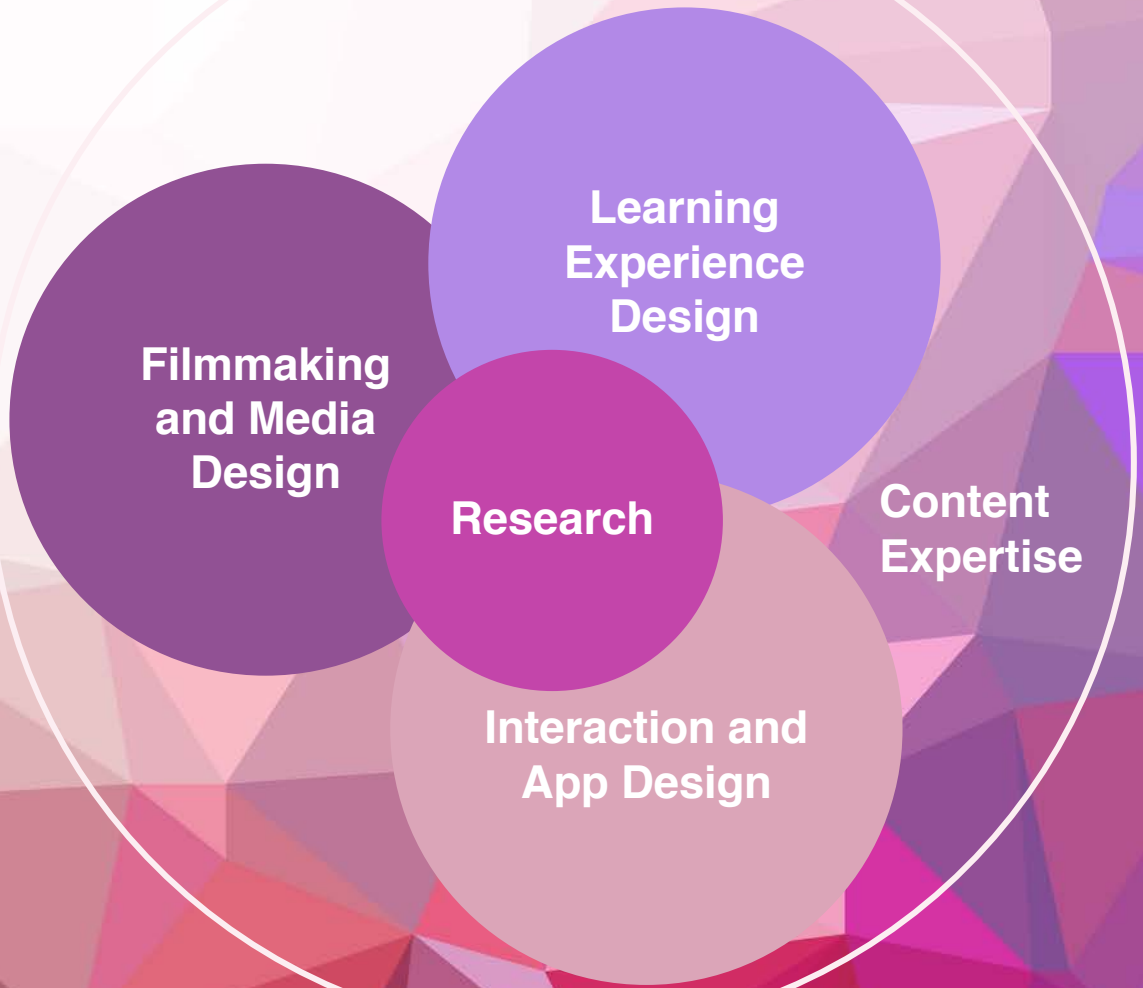
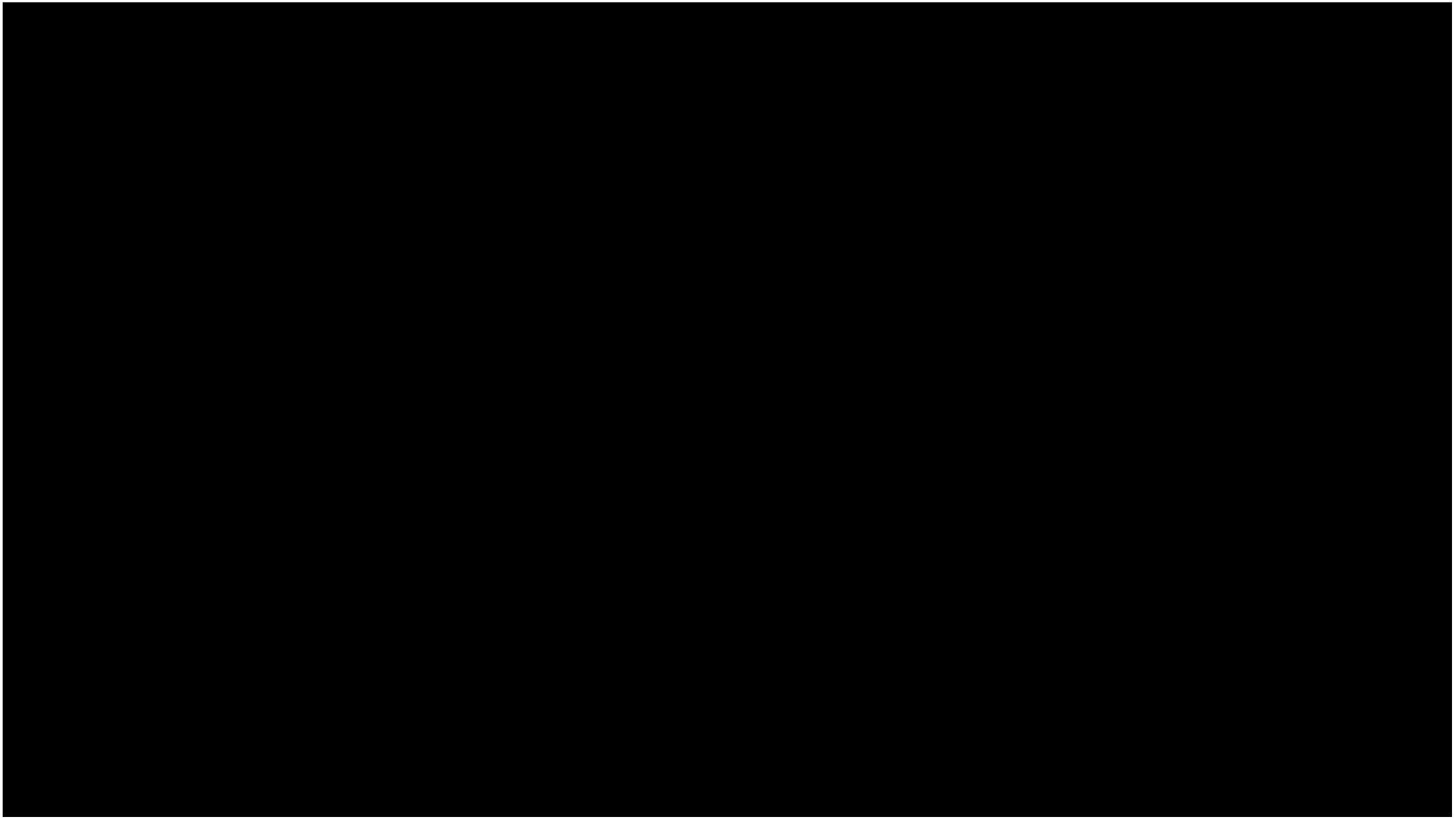
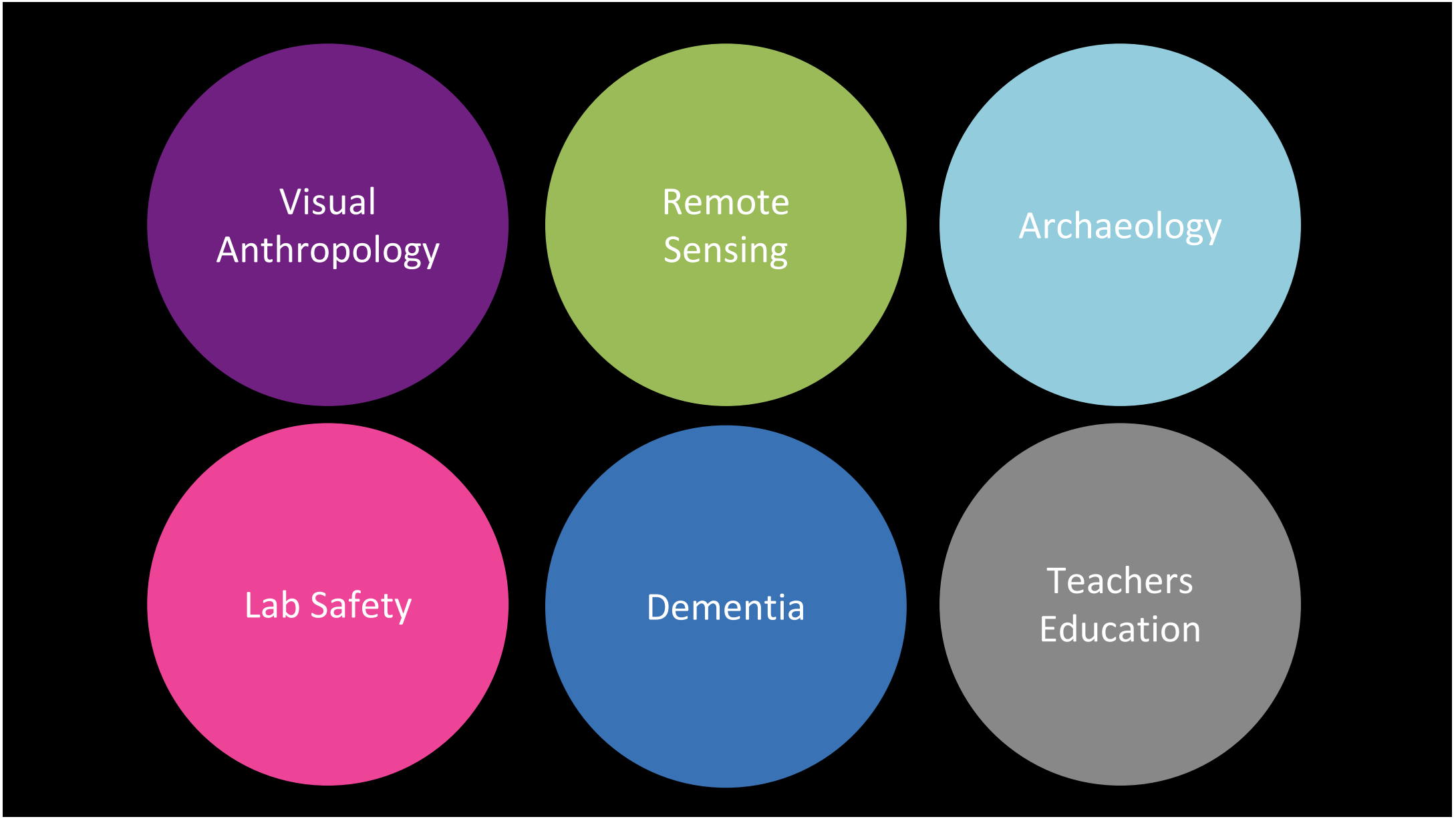
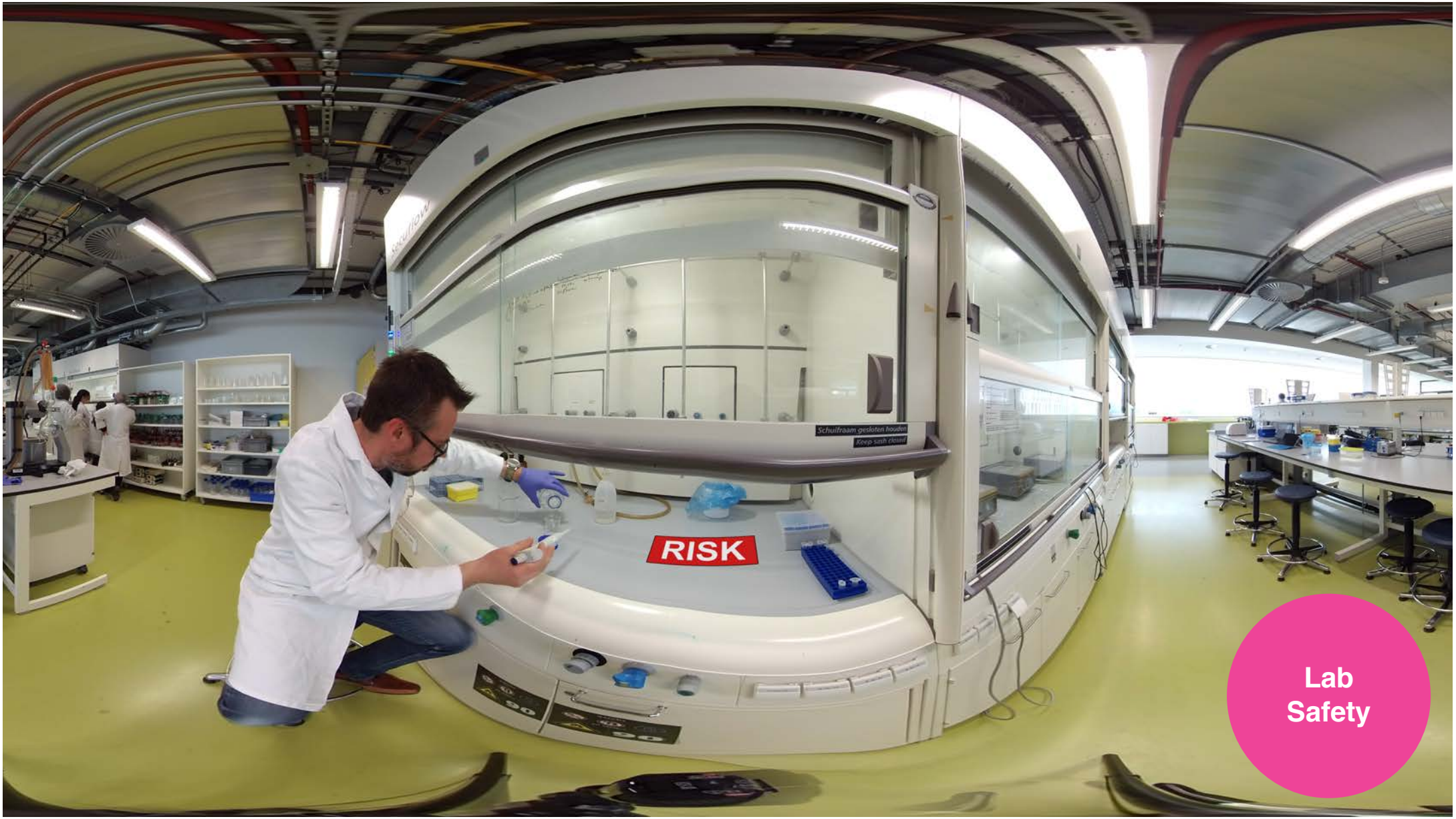
Leiden University

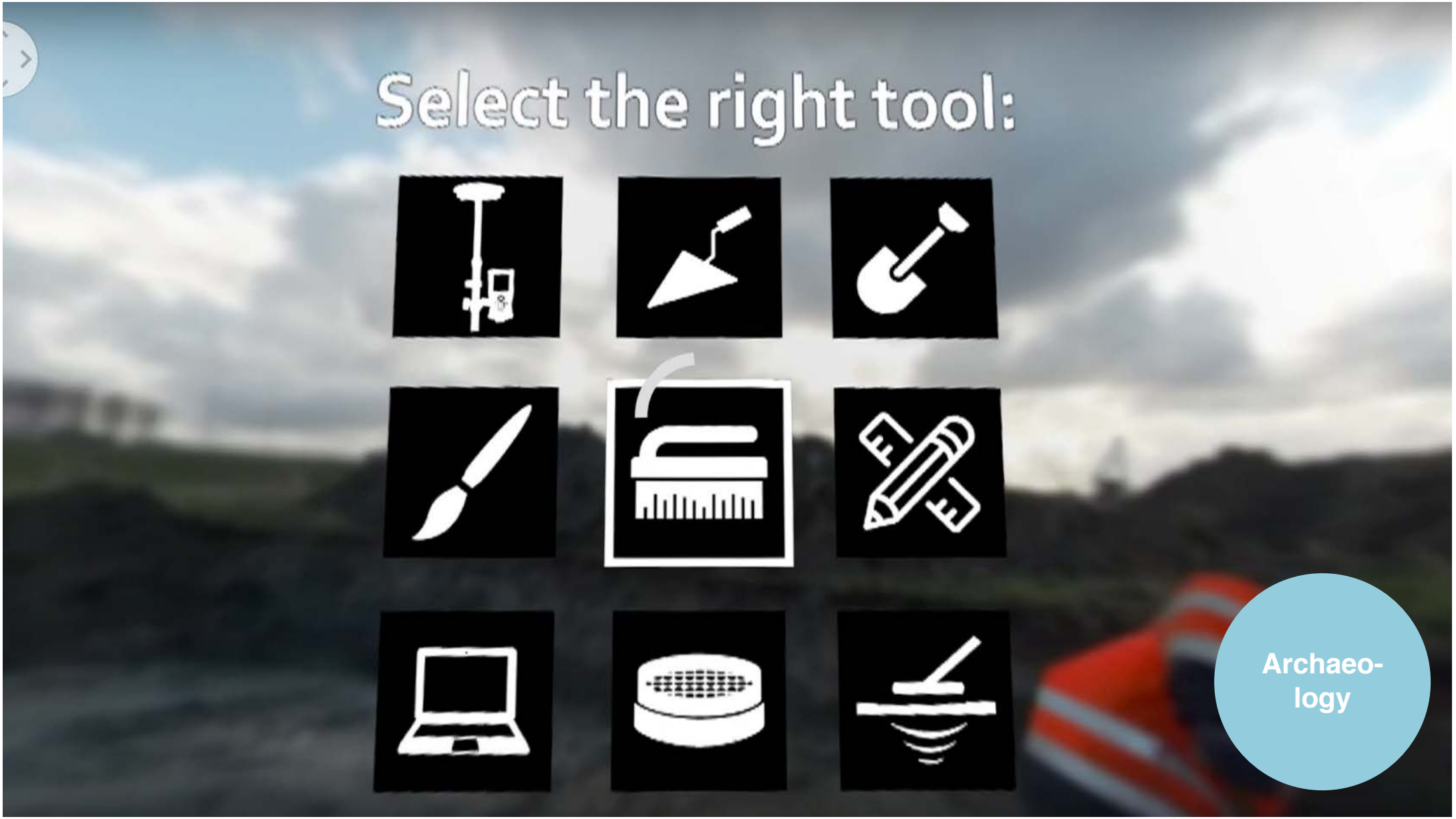


WARNING




Visual Anthropology
Remote Sensing
Archaeology
Lab Safety
Dementia
Teachers Education


RISK
Schuifraam gesloten houden
Keep sash closed
Lab
Safety

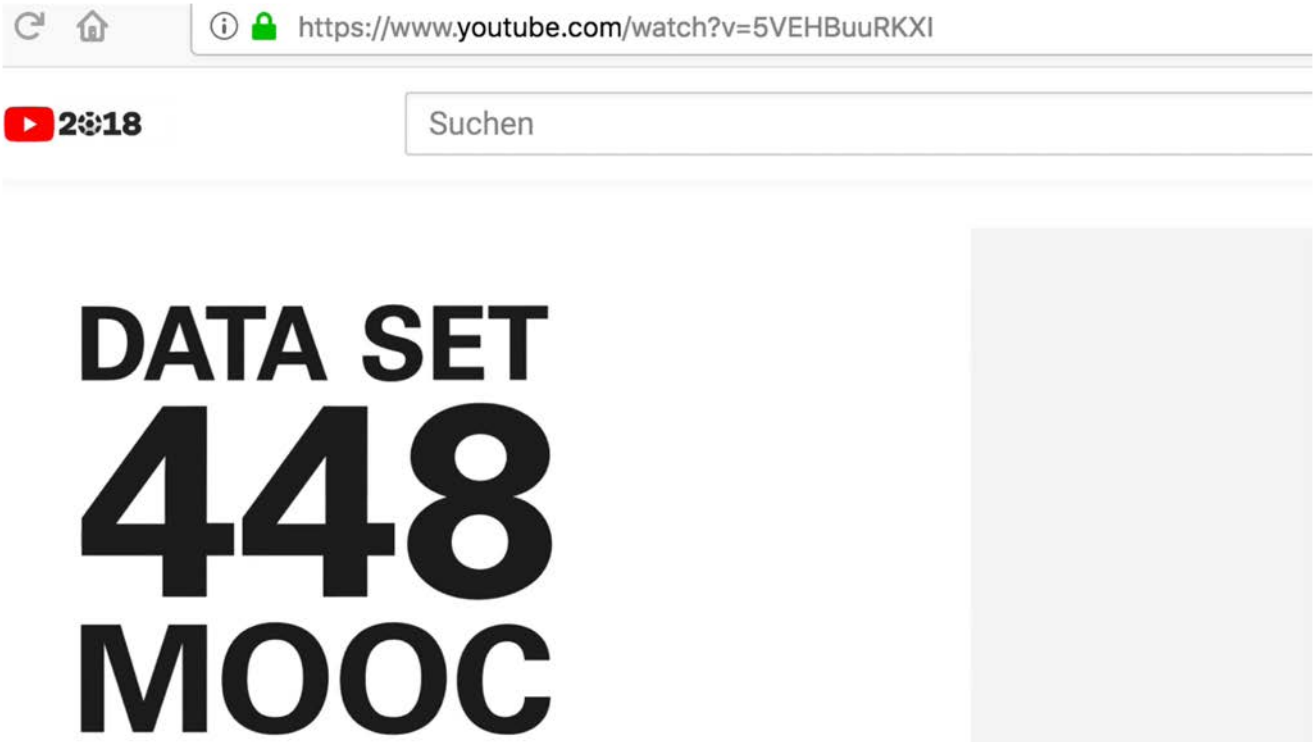

Select the right tool:
Archaeo-
logy

Visual
Anthropo-
logy

Media Design (+Research)

#affordances of the medium

ADOPTION OF INNOVATION
CONTRACTS



Research Video (2016):
„Videos in Higher Education – A Journey into the World of Digital Education“

Global Memory (DRAM) Bandwidth
• Ideal
• Reality

We're making online learning personal, playful, and painless.
Want to bring the magic of the physical classroom online?
We're looking for 1,000 Pioneers
Lily
Gabe

Stories to tell

Stories to tell – Storytelling

Remote Sensing

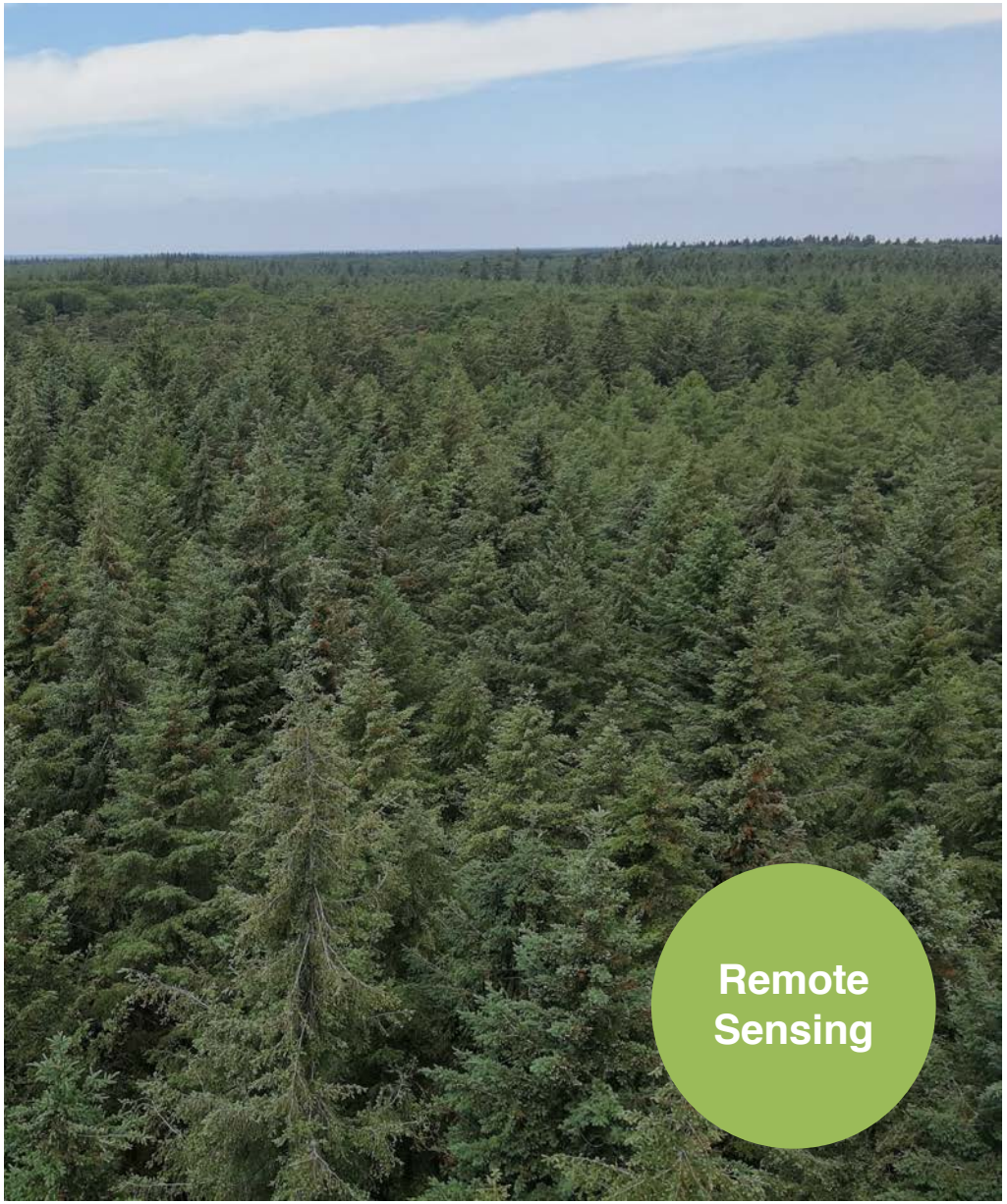
Hogwarts
Create a sense of wonder for the "hidden" processes in nature
bridge the gap between RS and the people who will use it
CREATE AN UNICORN
Start a revolution in measuring what we see (and more)
Educate future researchers & policy makers in using Remote Sensing
Get scientists (in spe) experience how important it is to present study results in a way that motivates, and maybe leads to change of mind.
Create a better sustainable World with equal access to water, using RS-Tools drought monitoring
Explore uses of Remote Sensing in an Ecological & Environmental context
Creating Community of Remote Sensing researchers at Leiden University (CML-EB)
Personal Jobs
Educate future Researchers & Policy makers on current ecological & environmental Problems (& how to solve them)
Personal Jobs
AUDIOVISUAL DATA & THEIR POTENTIAL
Remote Sensing
Experiment with new forms of visualization.
Make people experience how the data relates to the physical world around us
Create an immersive educational experience
Make VR education
Show Student

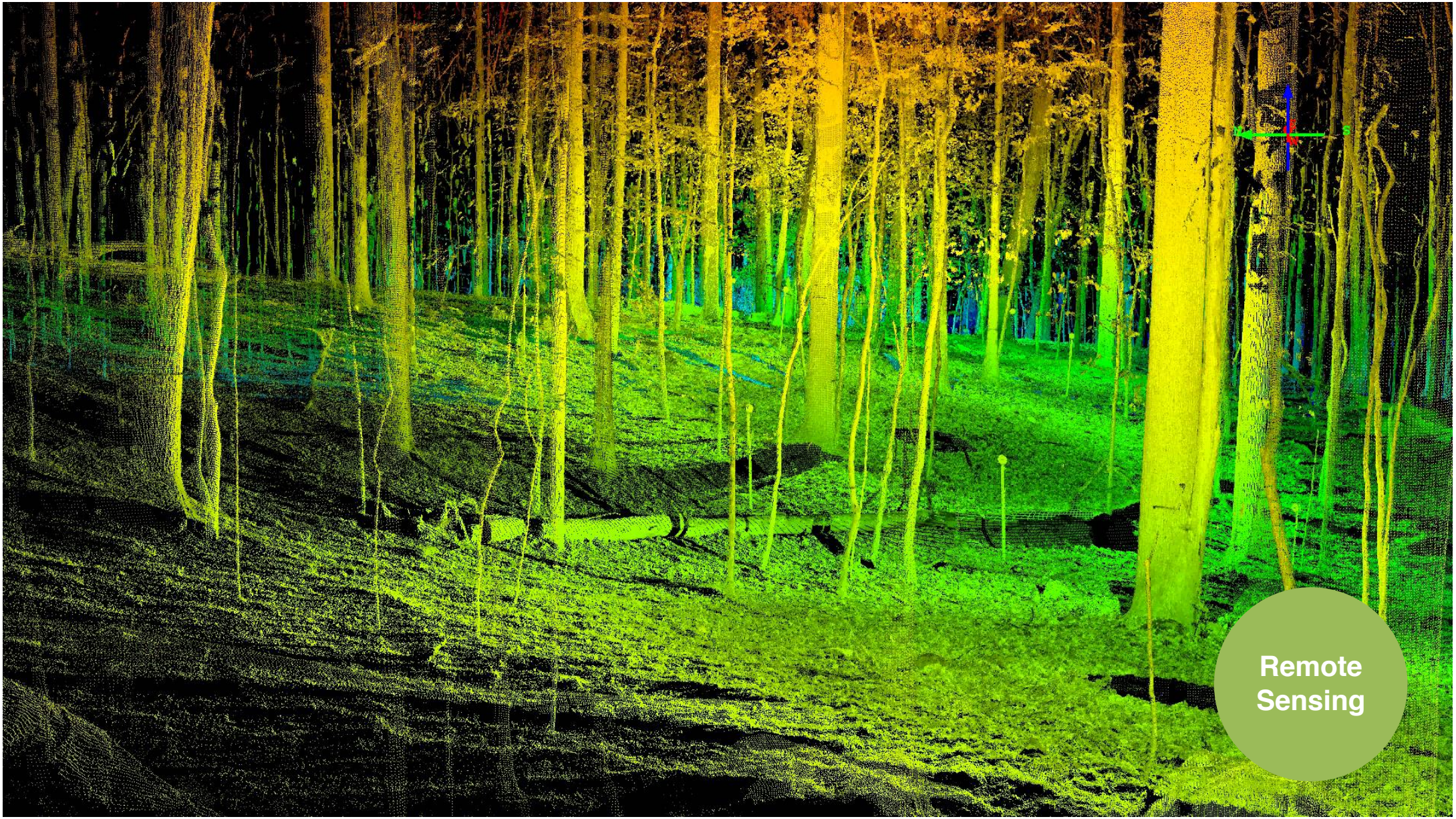
~~No more Talking Heads and PP-slides.~~

Our protagonist is a tree!

Remote Sensing

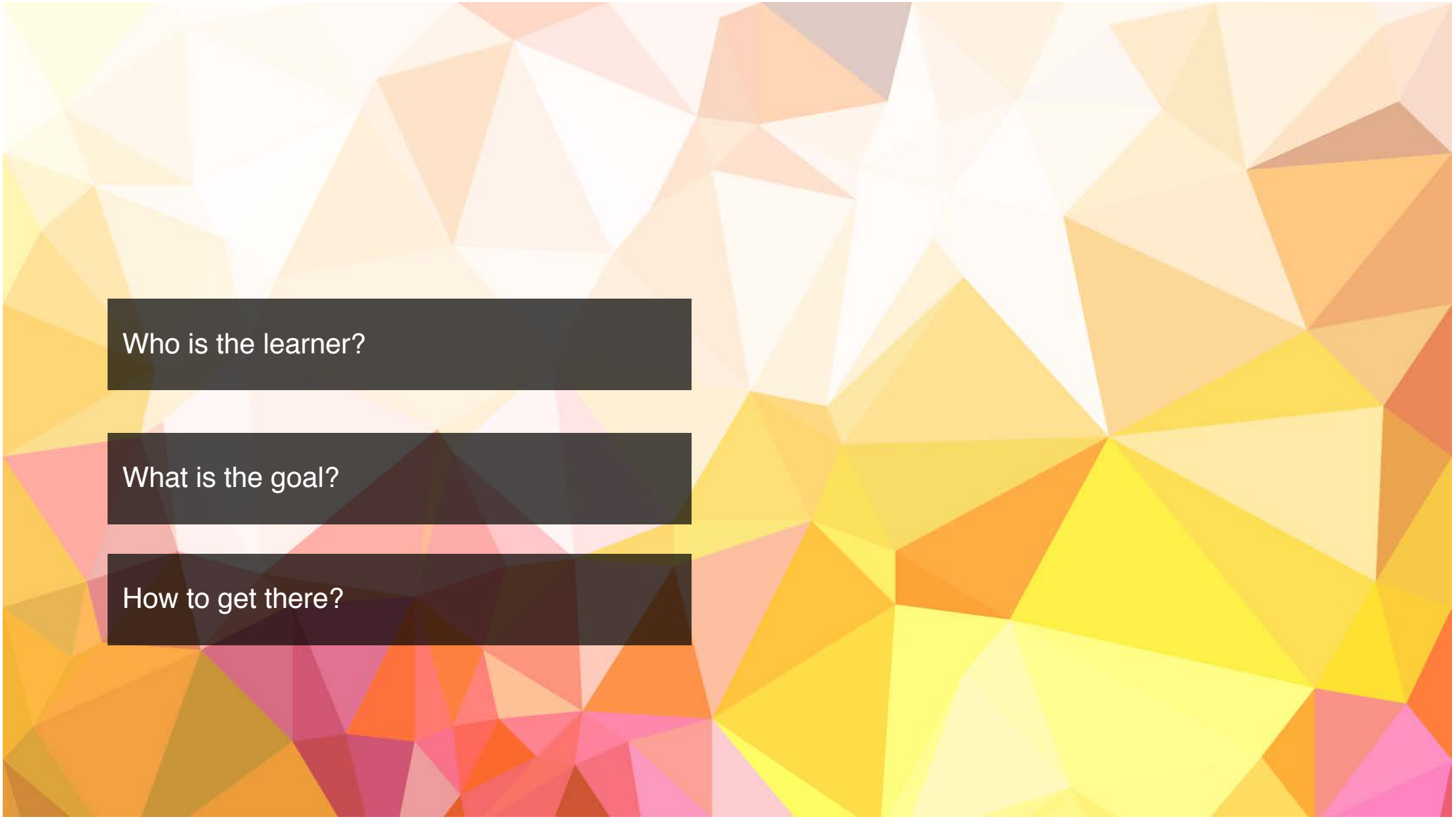
Remote
Sensing


Remote
Sensing


Remote
Sensing

Remote
Sensing

Learning Experience Design


Who is the learner?
What is the goal?
How to get there?

The Dementia Case

Who is the learner?

What is the goal?

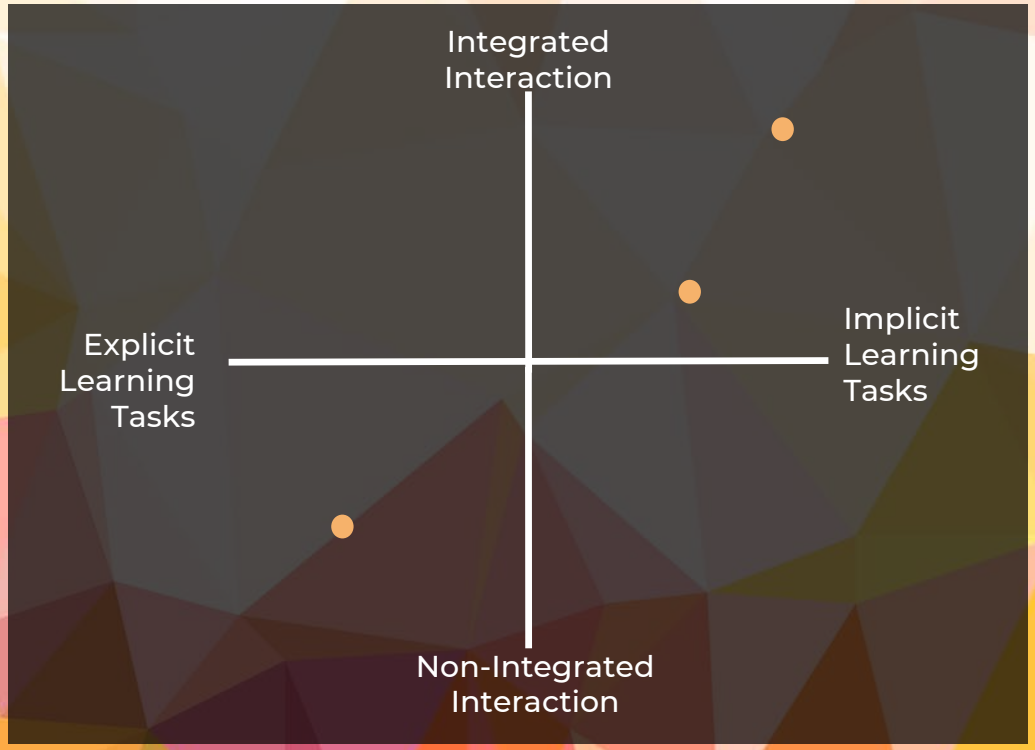
How to get there?

Dementia

binnengekomen van
Een patiënt is tegen
llen. Je hebt zo een
amilielid, maar kijk
ond in de woning.
g goed in je op,
ke aanwijzigen
iagnose!
DER
Dementia

Learning Experience Design

Learning Experience Design



CO-DESIGN

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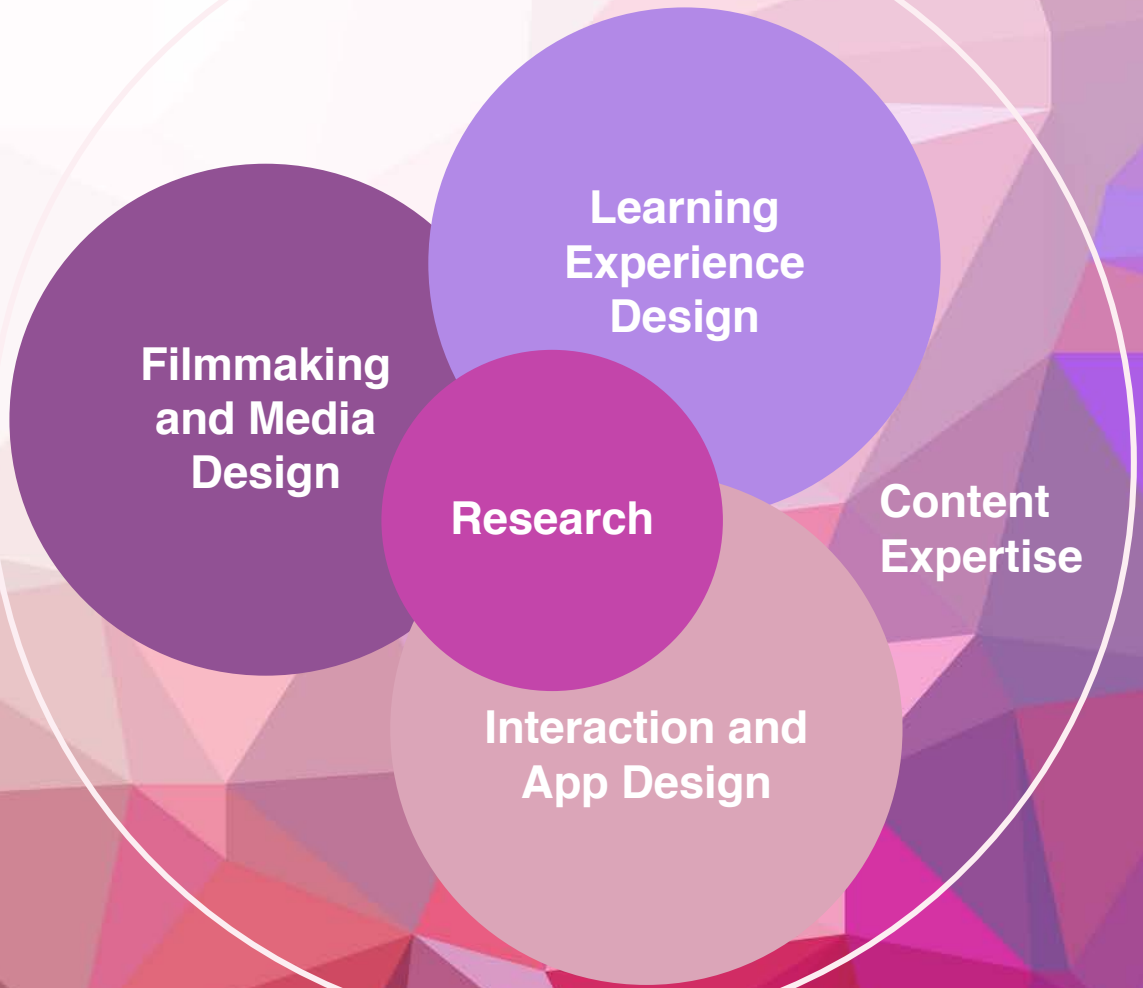
Leiden University

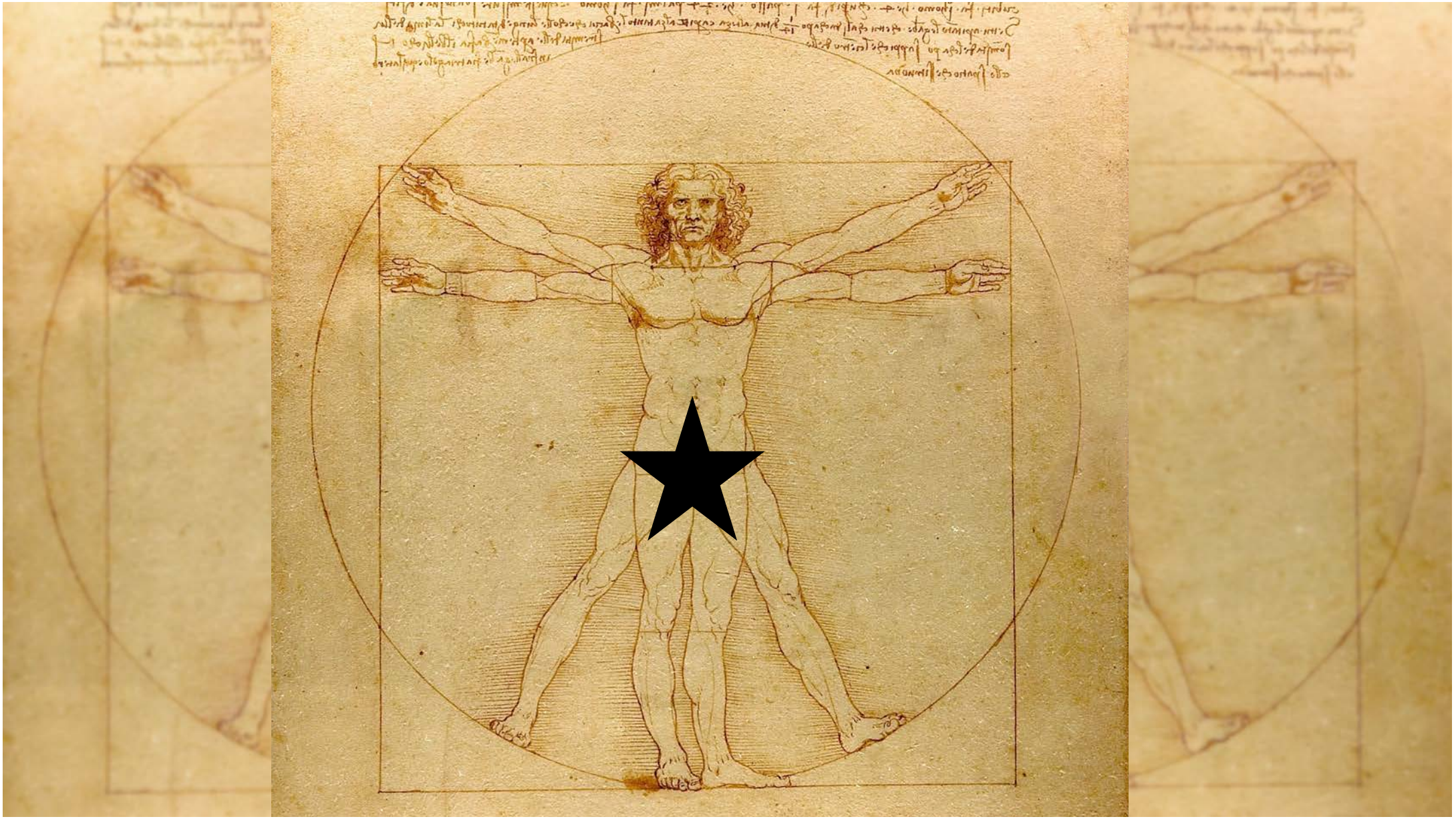


Knowing your area of expertise
Collective responsibility
Iterative design process
Respect & trust

Presentation on: audiovisualresearch.org

Monique Snijder
Twitter @moniquesnijder; @C4innovation
Linkedin: moniquesnijder

Jeanine Reutemann
Twitter @jreutemann; @C4innovation
> Manifesto Videos in Higher Education, CC commons, 2018.
> Book «Media Design Expertise for Videos in Higher Education», open access, 2018.



Co-Design with the MOOC Team and the Venice Time Machine Project; EPFL Lausanne 2016.

Innovedum Project with the Chair for Ecosystem Management, ETH Zurich 2017.