



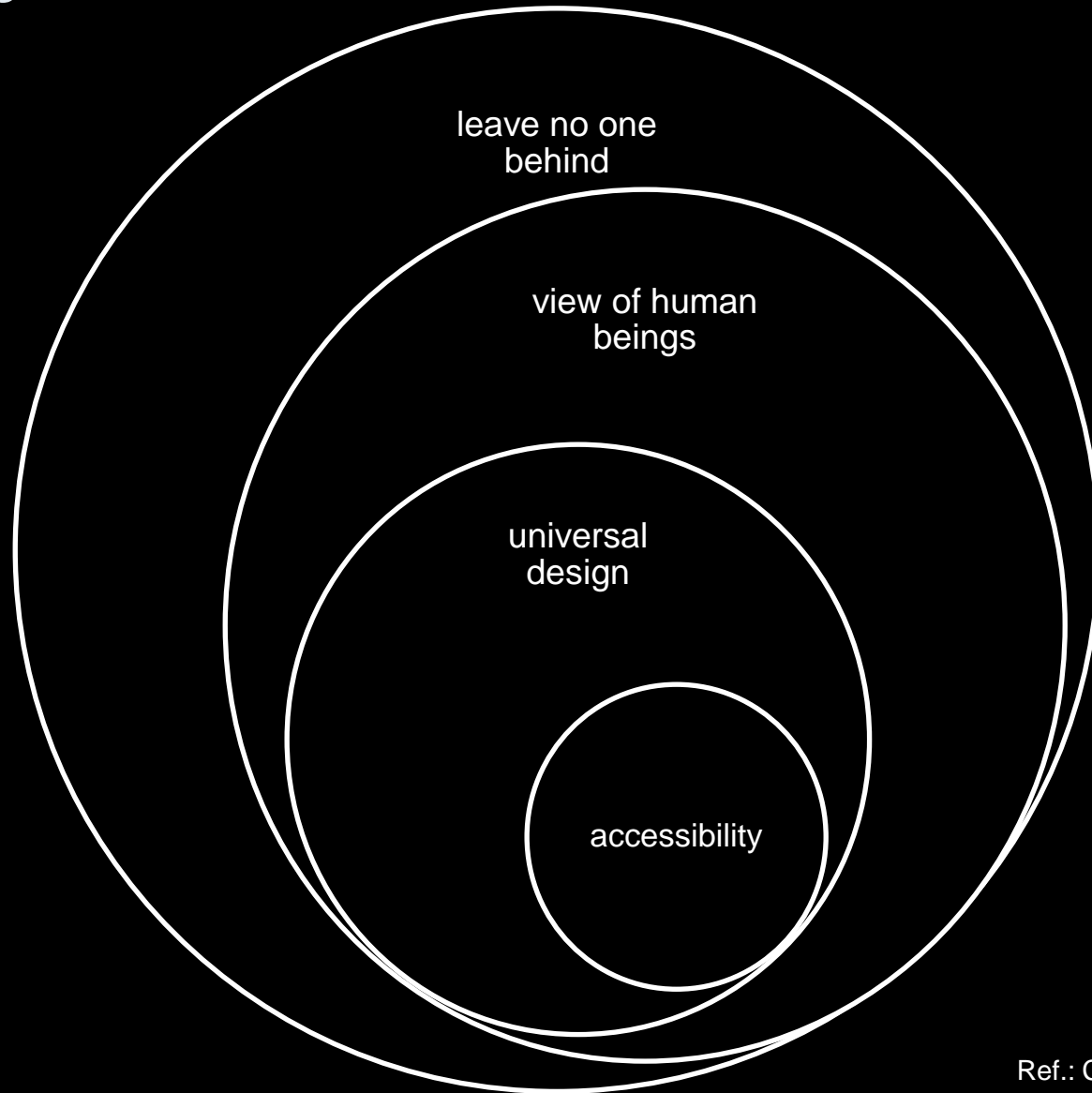
universal design : leave no one behind

Camilla Ryhl, Research Director, Bevica Fonden

Looking ahead, the 2030 Agenda, together with the Convention on the Rights of People with Disabilities, remain our compass towards an inclusive recovery

- António Guterres, UN General Secretary, 2022

Universal Design Hub



Ref.: Camilla Ryhl

universal design?





accessibility / barrier-free design
disability-access

minimum requirements
prescriptive vs performance

stigmatizing
exposure
minority



1.3 billion humans on earth
live with a disability

30 percent of the population in Denmark between i
16 og 64 years old live with a physical or mental self
reported disability

universal design is the design of products and
environments to be **usable by all**
people, to the greatest extent possible, without
the need for adaptation or specialized design

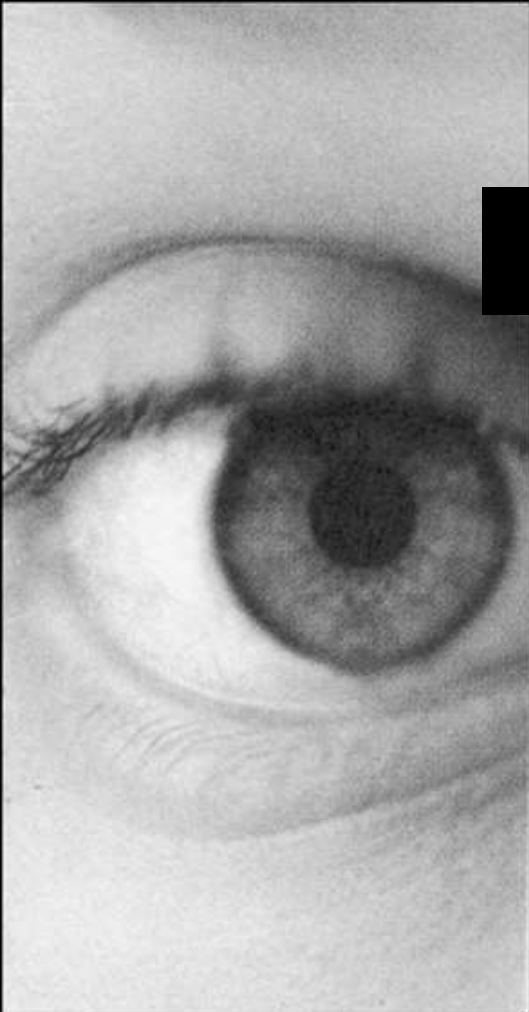
- ron mace

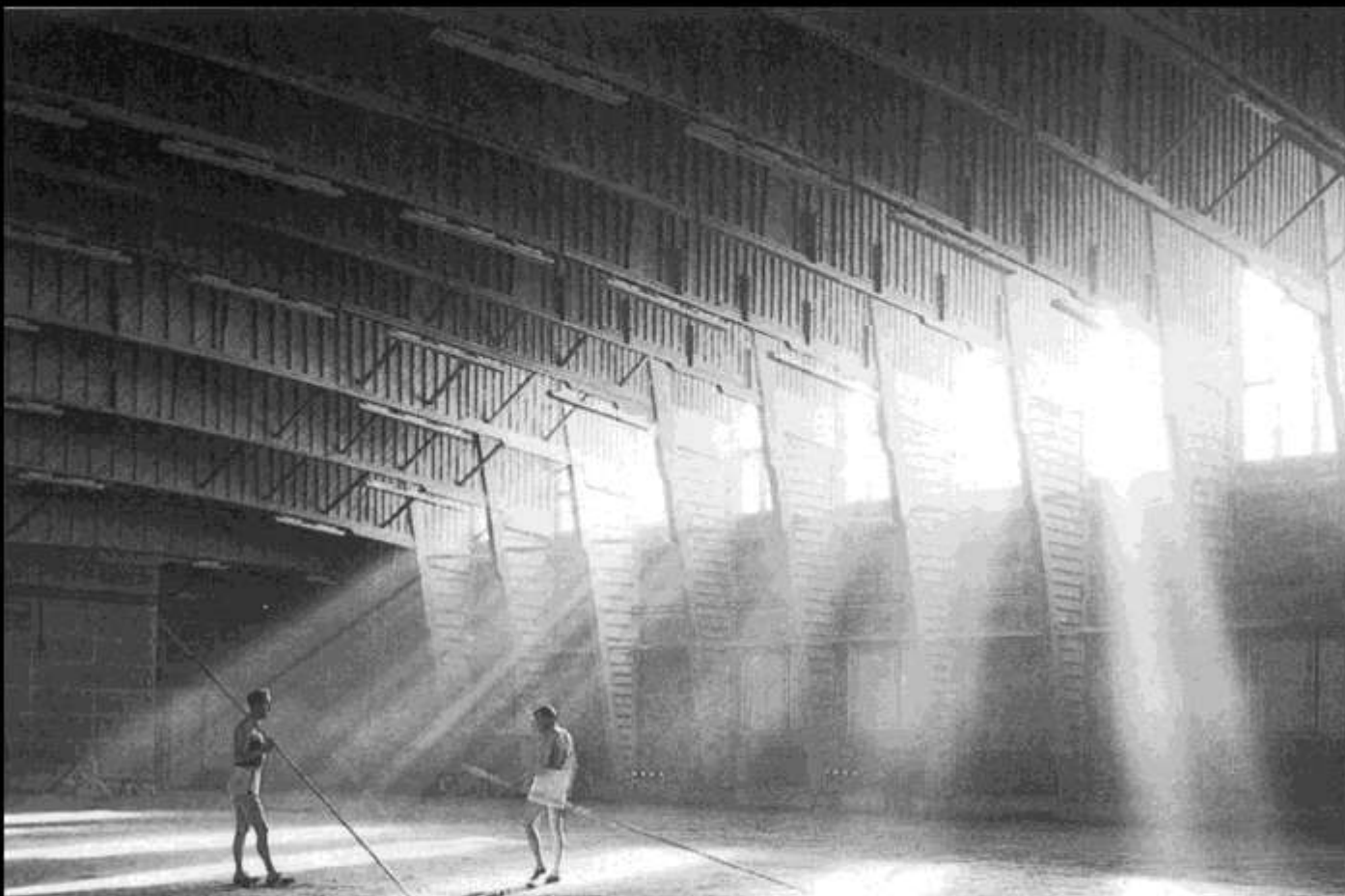
Universal design broadly defines the user. (...) Its focus is not specifically on people with disabilities, but all people. It actually assumes the idea, that everybody has a disability and I feel strongly that that's the case.

- Ron Mace, 1998



universal design : being human





I have experienced rooms which I had to leave because of my hearing impairment. Where the acoustics were so bad that it gave me a headache – the daylight may have been amazing, but if the sound is bad, then it is just amazing and I still have to leave, then the beauty of the room becomes use less to me.

- lisbeth, hearing impairment



...I actually think it would influence my orientation severely if the spatial proportions are wrong ... and if my orientation is disturbed, then the experience would be disturbed, then the value of my experience is diminished

- ole, blind

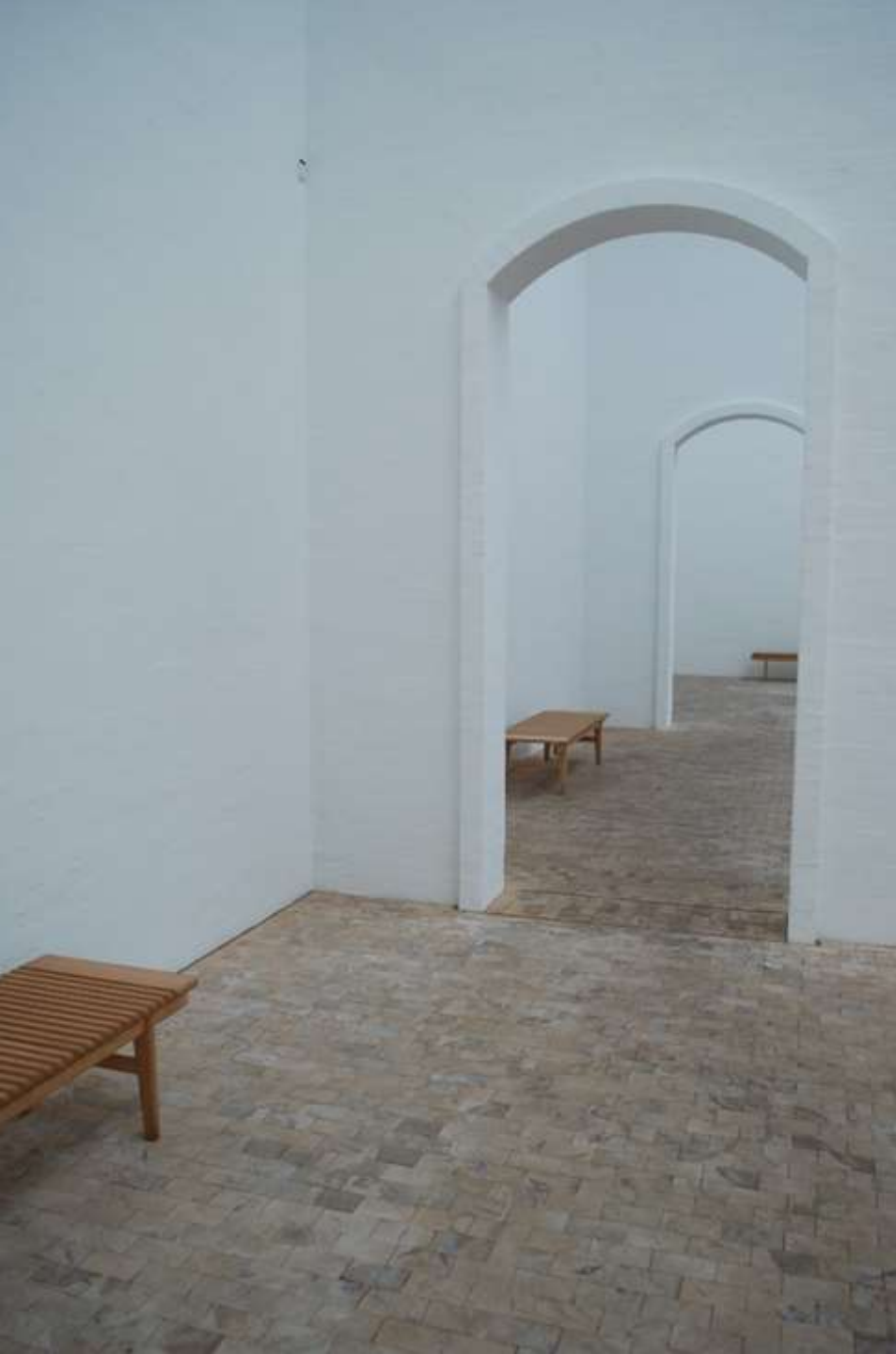
There are notes in everything - just not in concrete (...) my mother lived in an apartment with concrete all over, I couldn't find my way around there, the sounds were the same everywhere and there were no thresholds.

- edith, congenitally blind



You are enclosed in a way when you can't hear, and I think that is why you want the daylight, a sense of the world being larger (...) you have to have everything out there in here, bring in the light, a sense of air, the feeling that you can breathe ... the sky.

- ulla, hard of hearing



When you stand in the middle of the room you sort of feel the floor, if it is hard or soft, I mean if it is a wooden floor, that is easy to feel and you can sense the sound ... I use my sense of sound.

- alex, deaf



ability :: disability



stimulate :: compensate



functionality :: experiences

Who are the users? – and our view of human beings?



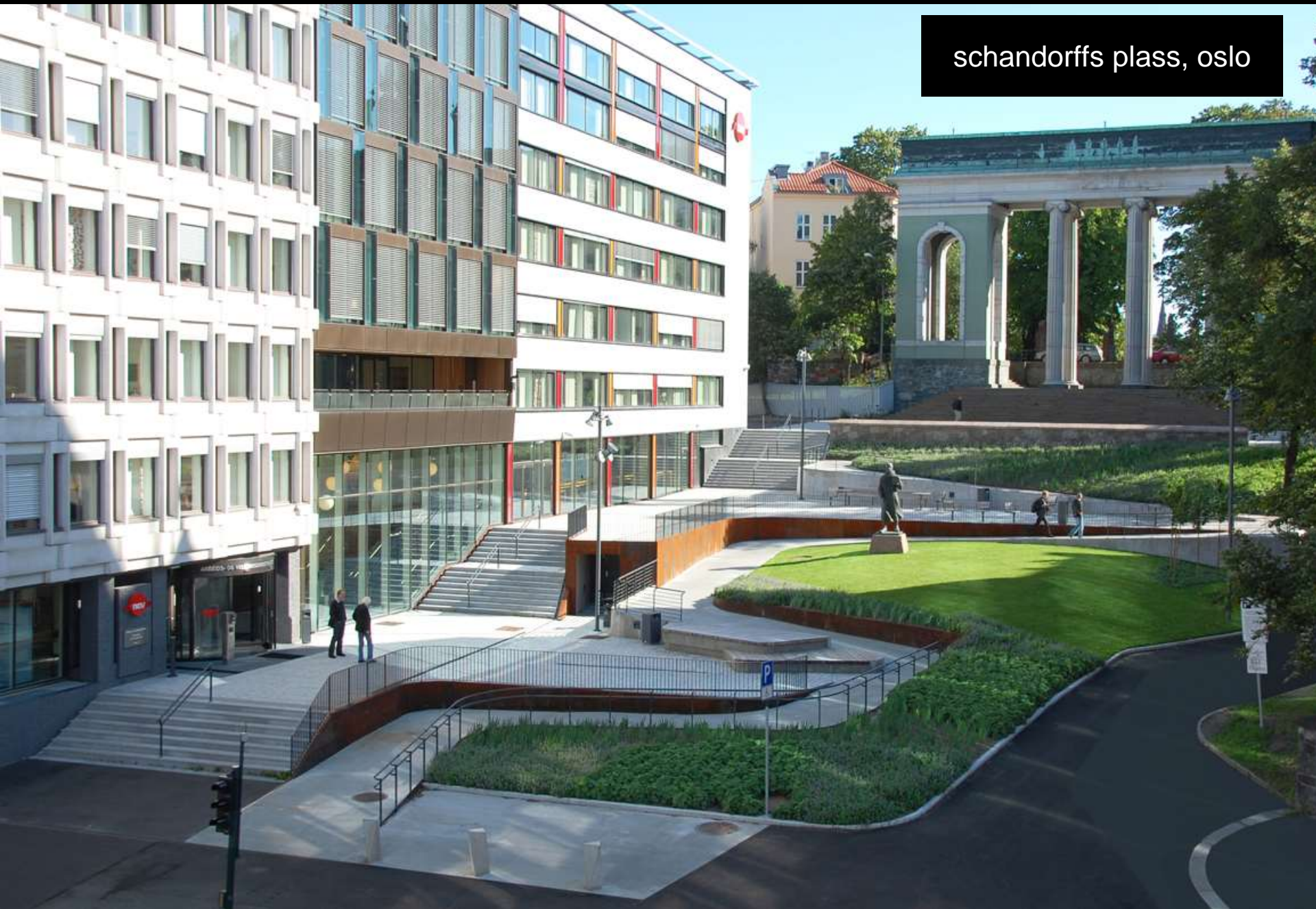
diversity in user needs require diversity in solution



one solution
or
a catalogue of solutions



schandorffs plass, oslo



how can we understand
universal design?

- value
- process
- solution

paradigme shift : view of human beings





7 universal design principles

1. equitable use
2. flexibility in use
3. simple and intuitive use
4. perceptible information
5. tolerance for error
6. low physical effort
7. size and space for approach and use

/Center for Universal Design, NCSU, 1997



8 goals of universal design

body fit

accommodating a wide range of body sizes and abilities

comfort

keeping demands within desirable limits of body function and perception

awareness

ensuring that critical information for use is easily perceived

understanding

making methods of operation and use intuitive, clear, and unambiguous

wellness

contributing to health promotion, avoidance of disease, and protection from hazards

social integration

treating all groups with dignity and respect


personalization

incorporating opportunities for choice and the expression of individual preferences

cultural appropriateness

respecting and reinforcing cultural values, and the social and environmental contexts of any design project

/Steinfeld & Maisel, IDEA, Buffalo State University, 2012

A group of young boys are playing soccer in a paved courtyard. In the foreground, a boy in a white t-shirt and white shorts is in a low, ready position. To his right, a boy in red shorts is running. Further back, another boy in a white tank top and blue shorts is also running. On the far left, a shirtless boy in plaid shorts is seen from the back. In the background, a boy is sitting on a concrete ledge. The courtyard is surrounded by tall palm trees and multi-story buildings with balconies. The scene is captured in the late afternoon or early evening, with soft lighting.

Universal design is a proces that enables and empowers a diverse population by improving human performance, health and wellness and social participation

- steinfeld and maisel, 2012

SUSTAINABLE DEVELOPMENT GOALS





Leave No One Behind

4. As we embark on this great collective journey, we pledge that no one will be left behind. Recognizing that the dignity of the human person is fundamental, we wish to see the Goals and targets met for all nations and peoples and for all segments of society. And we will endeavour to reach the furthest behind first.

(UN SDG, 2015)



7% of persons with disability experience problems with access to public buildings
For persons without disabilities the number is 7%



21,7% of wheelchair users rarely or never visit green areas or nature.
For persons without disability the number is 1,5%



36,5% of persons with significant physical impairments have 9th grade as their highest level of education.
For persons without disabilities the number is 7,5%



25,6% of persons w significant psychological impairments and 46,3% of persons w significant physical impairments are active in the labour market.
For persons without disabilities the number is 73,1%



Less than half (44 %) of the health clinics in Denmark are accessible to persons with physical disabilities.



The lives we live

- housing
- education
- work
- health
- leisure
- culture
- social life
- transportation

inclusion

equality

social sustainability

UN Convention on the Rights of People with Disability (CRPD)

Article 2

Definitions

In this Convention: (...)

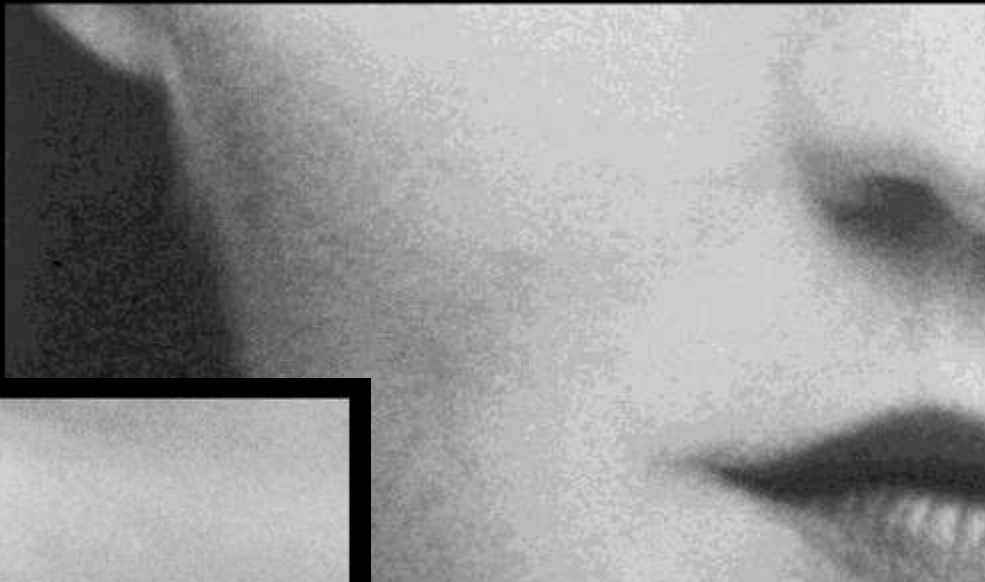
“Universal design” means the design of **products, environments, programmes and services** to be usable by all people, to the greatest extent possible, without the need for adaptation or specialized design.

“Universal design” shall not exclude assistive devices for particular groups of persons with disabilities where this is needed.

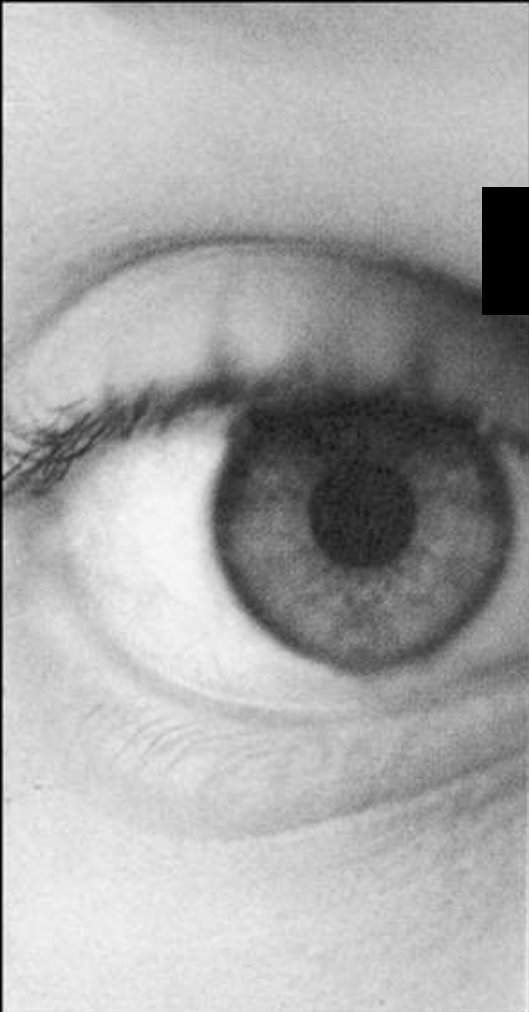
- *UN Convention on the Rights of Persons with Disabilities, 2006*

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universal design : being human

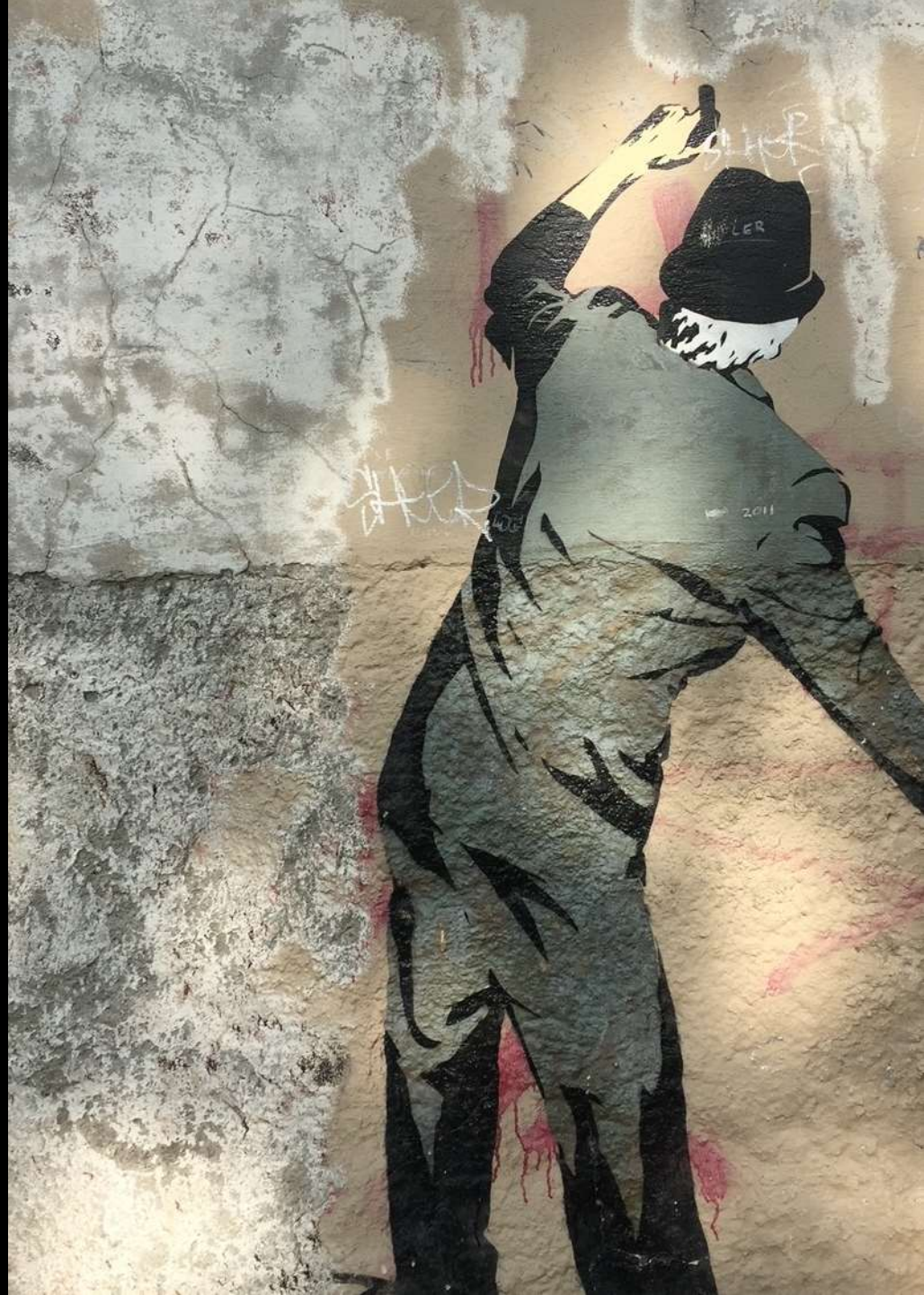


ability is only temporary

universal design

- a new view of human beings (dignity, equality, reality)
- brings human beings back into planning and design of all aspects of the lives we live
- interdisciplinary collaborations
- a value based principle for equal inclusion
- value / process / solution
- diverse needs – diverse solutions
- tool to secure social sustainability

lever for the pledge to
Leave No One Behind



Universal Design Hub

Facilitate and disseminate

research
knowledge
education

on

Universal design

+

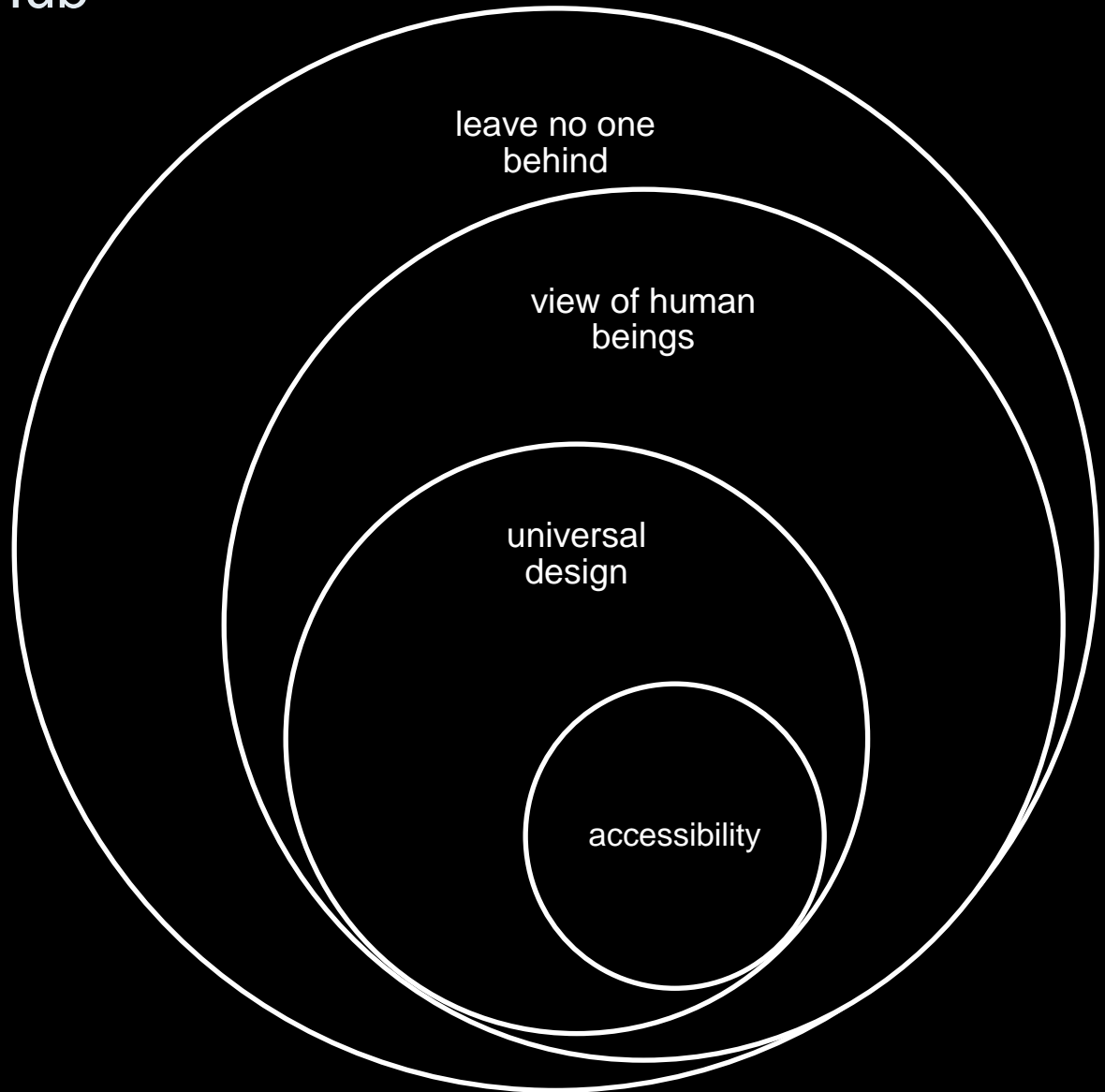
Leave No One Behind

Bevica Scholarship Programme

Launch Nov 3rd 2022



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