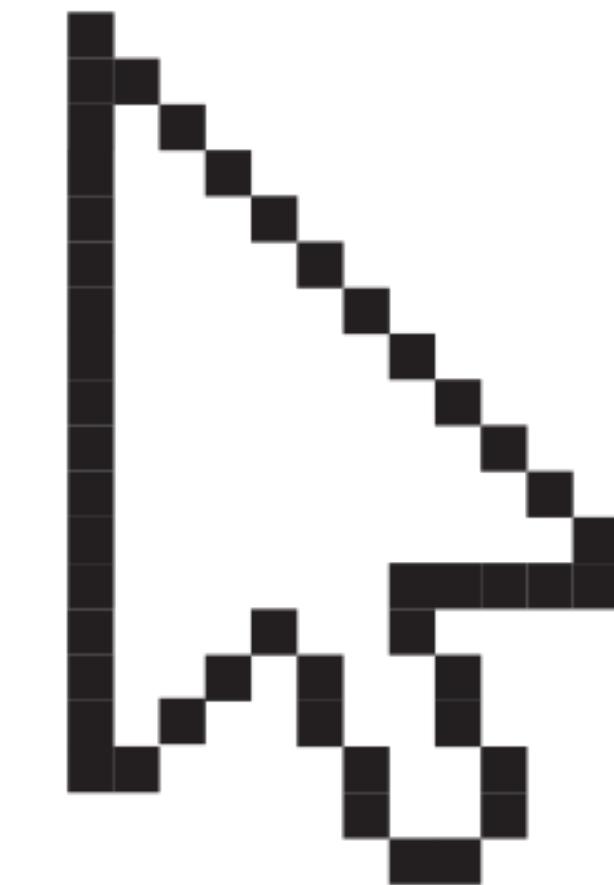
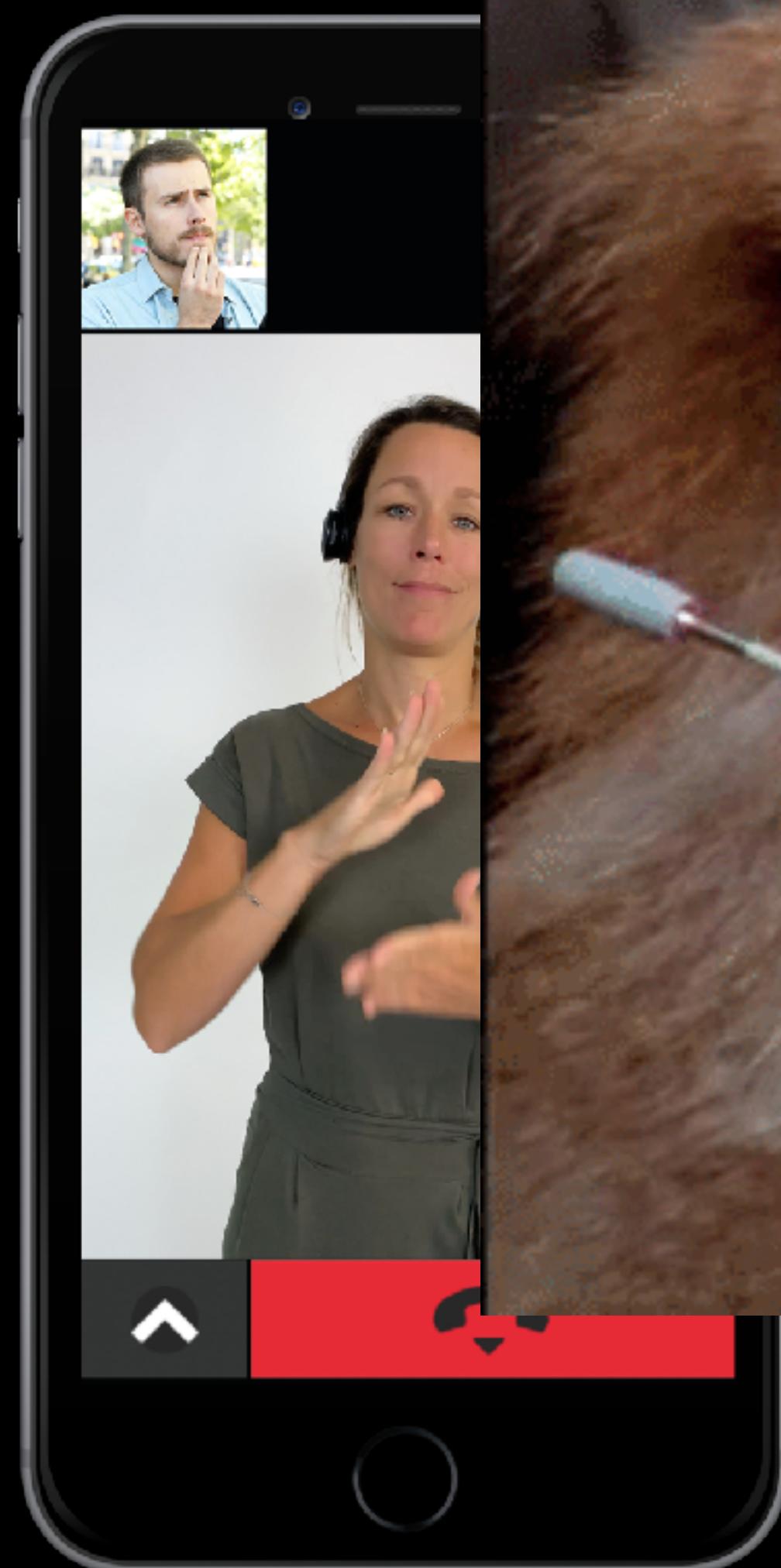


Inclusive Design, more than you hear



@marievandries

Dutch Railways

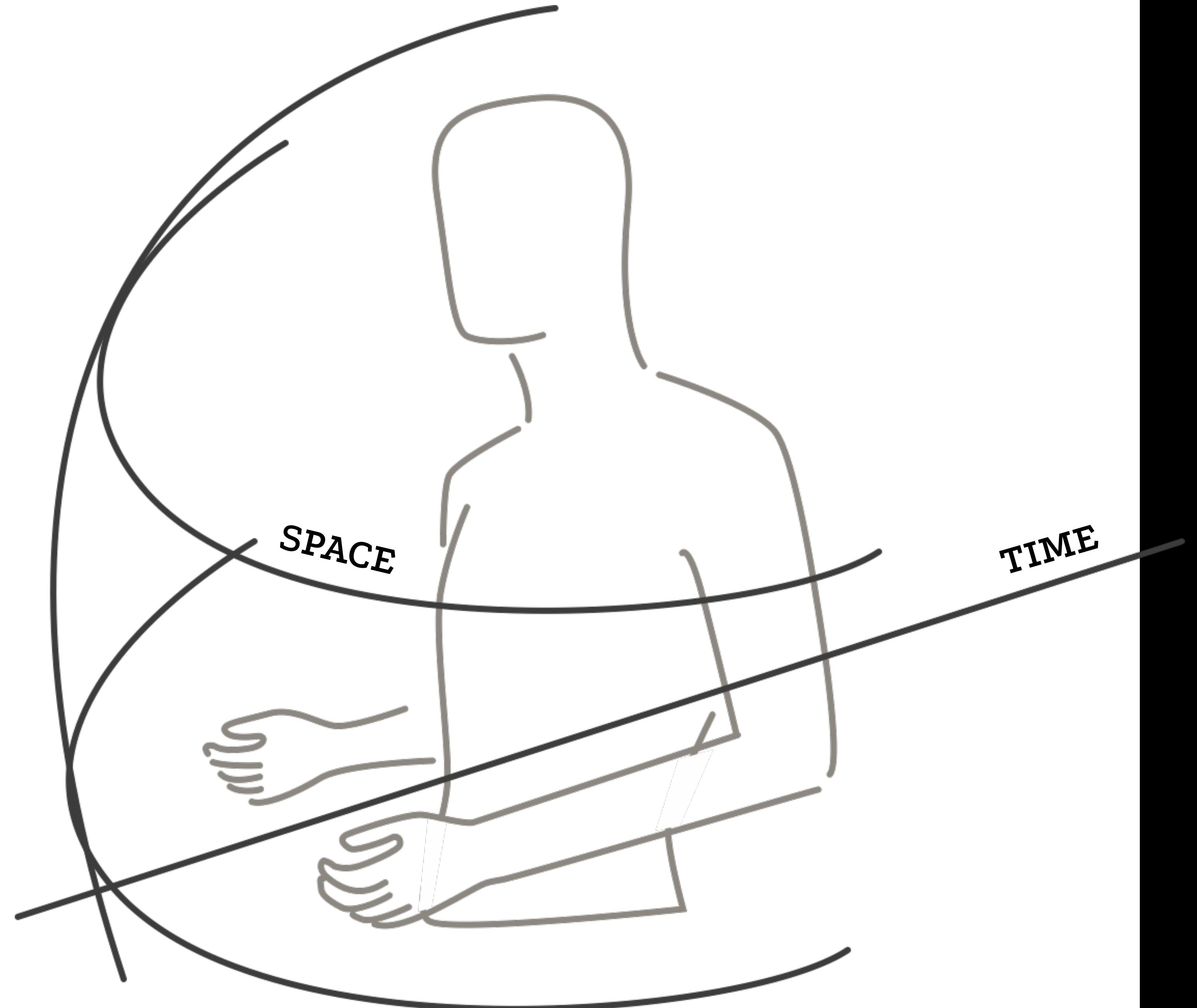


deaf

is used to describe or identify anyone who has a severe hearing problem

Deaf

is used by Deaf people to identify themselves as culturally Deaf and have a strong deaf identity



Sign language is
four-dimensional

Sign language is not universal



yes



ja



oui

**“Deaf people can read our
written content, so it’s fine.”**

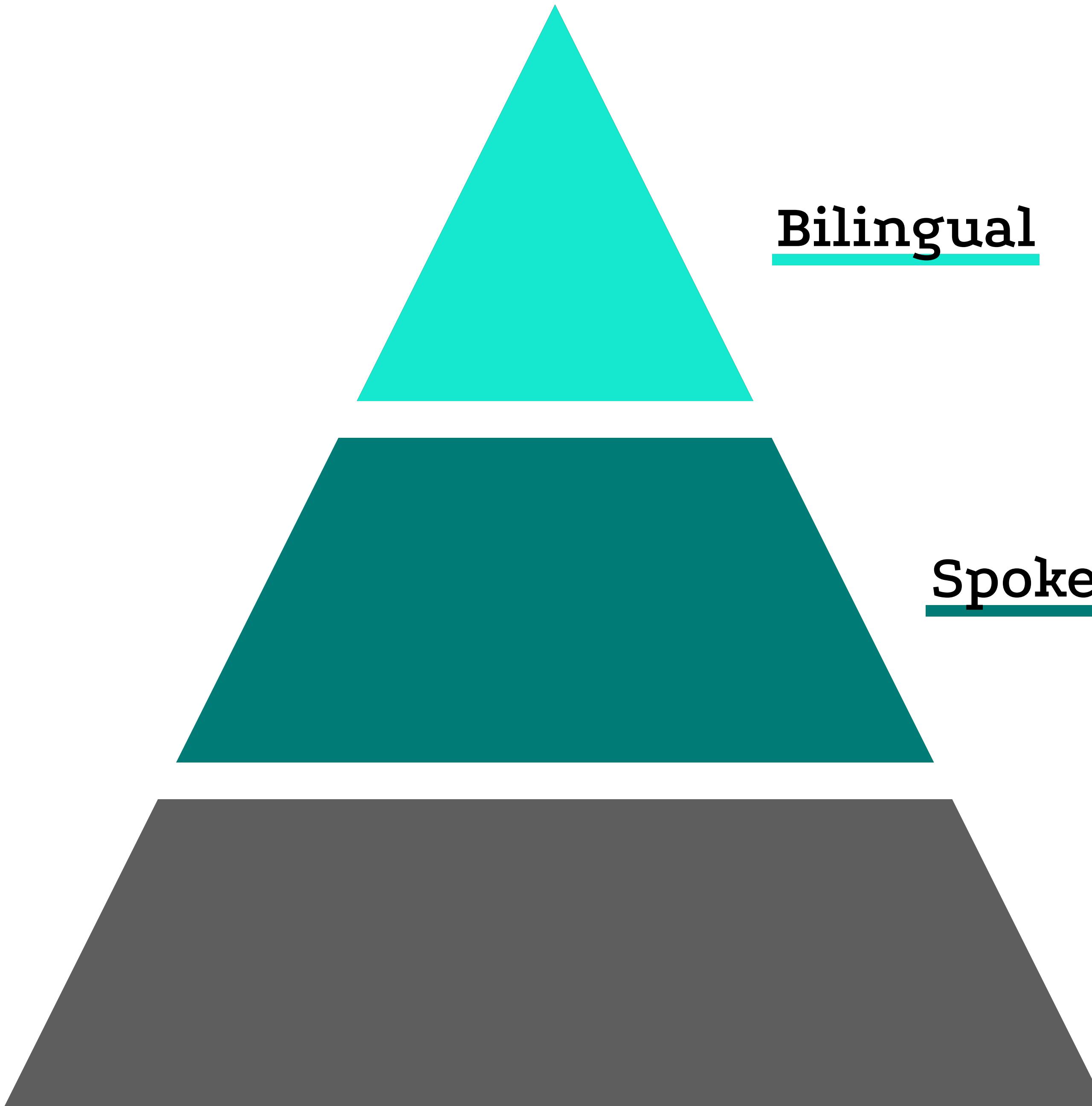
Dutch Sign Language is
not same as
written Dutch

I Would you like to have lunch with me?

👉 You - me lunch go?

I The yellow ball is in the cupboard.

👉 Cupboard ball yellow inside.



Bilingual

Spoken language as a second language

Additional disabilities

Designing for the Deaf

(for everyone actually)



Writing for the Web [

(writing in general actually)

1 in 6 Dutch adults
have difficulty in reading,
writing and / or calculating

70% of Deaf people are
functionally illiterate people

- 👉 **Use headings and subheadings**
- 👉 **Make one point per paragraph**
- 👉 **Use short sentences: seven to ten words per line**
- 👉 **Use bulleted lists**

👉 **Use easy accessible language whenever possible**

👉 **Write in a journalistic style: make your point and then explain it**

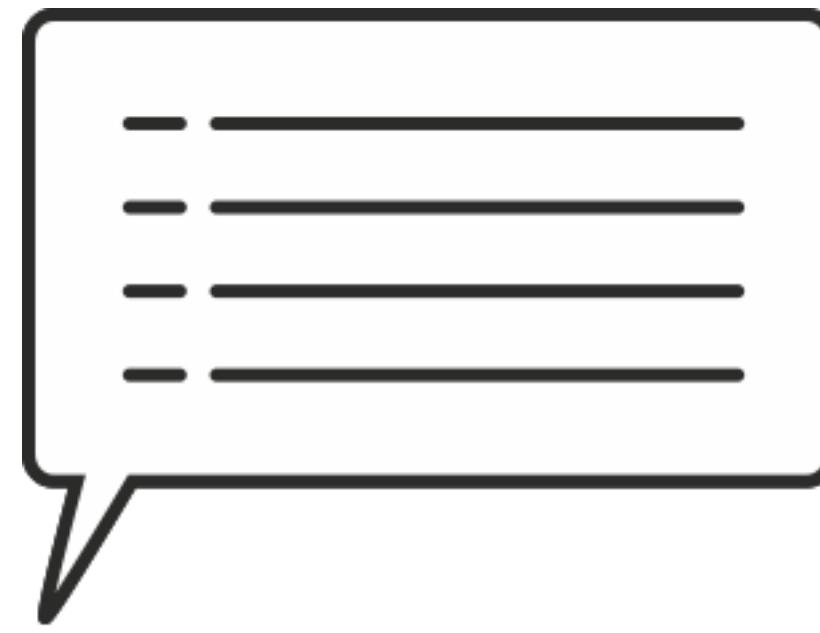
👉 **Write in an active form**

👉 **Avoid unnecessary jargon and slang, which can increase the user's cognitive load**

👉 **Use images, diagrams or multimedia for a visual translation of the content**

👉 **Chunk your content**

👉 **Use white space**



👉 **Include a glossary for specialized vocabulary and provide definitions in simpler language**

reading = effort

Subtitles / CC*

**closed captions*

80% of people who watch
videos with closed captions on
are not deaf or hard of hearing.

The advantages of closed captioning;

Captions makes videos
accessible to a wider audience

Captions let viewers watch videos in more places

Closed captions boost video SEO



V: That's very interesting. And now one of things you are specializing in I mean you do so much stuff it is incredible. I guess we can go on for two days probably talking about what you are doing but one of the things that you do and what you talk about a lot. I saw a talk from you on CSS Day a while ago. It is about localization and culture research. So I am also curious about the outsider look who live in the Netherlands so are there some [...] so what would make a thing [...] or are there things are specifically good for the Netherlands that make an user experience specifically good for the Netherlands. Are there such things?

I: Something that makes the experience good in the

Transcripts?

processes ways that are suitable for now people use it. For example so I live here for three years now and when I go to restaurants or like friends, people and we need to split the bill and it is really common to use this app called tikkie and of course there is many other variations of it where you can just like send payment request 'cause you need to split the bill. And having lived in multiple countries I would say Netherlands is the one where this one is really popular and very commonly used because in Canada or you know in Singapore it is not as so common to split the bill and precisely to the cent. So I find that interesting. Yeah I owe you four euros and 53 cents send me a tikkie. So perhaps this app the existence of it and how it is meeting the user's need is good in this country but then if you [...] if I tell my friend



You are here: [Home](#): [Your council](#): [Contact us](#): [For BSL users](#)

For BSL users

Get help to contact us



for example to:
- report roads, footpath and lighting defects

We provide a number of services for you as a North Lanarkshire resident. These include:

- [Schools and learning in the community](#)
- [Council housing](#)
- [Bins and rubbish collection and recycling facilities](#)
- [Roads and street lighting](#)
- [Building warrants and planning applications](#)
- [Taxi licenses](#)
- [Welfare and money advice](#)

You may at times want to contact the council when there is a problem or when you want to apply for something for example to:

- report roads, footpath and lighting defects
- get advice on applications for housing benefits and council or rent rebates
- apply for free school meals and clothing grants
- request special uplifts and report litter problems
- request maintenance or repairs to a council house
- apply for help through the Garden Assistance Scheme
- collect and submit application forms for all council services
- find information about council meetings, councillors' surgeries, council vacancies and the electoral register

Contact us

Development Officer - Equalities

Enterprise and Communities
Municipal Buildings
Kildonan Street
Coatbridge
ML5 3BT

[Send a message to Development Officer - Equalities](#)

Phone: 01236 812851

[More details](#)

They're doing well in the UK - listen carefully to Ben after me! :)

Multimedia solutions

AFSPRAAK MET AFSTANDSTOLK VLAAMSE GEBARENTAAL (VGT)

Velden met een * zijn verplicht in te vullen.

Wilt u een afspraak maken met een afstandstolk VGT? Dat kan hier! Vul het onderstaande formulier in. Een medewerker van de dienst Burgerzaken neemt vervolgens per mail contact met u op.

Let wel, afspraken met een VGT-tolk kunnen enkel 's morgens (van 09.00 tot 12.00 uur) plaatsvinden en alleen voor verrichtingen van de dienst Burgerzaken.



Voornaam *

Naam *

Rijksregisternummer *

E-mail *

Waarvoor wilt u een afspraak maken? *

Op welke dagen kunt u langskomen? *

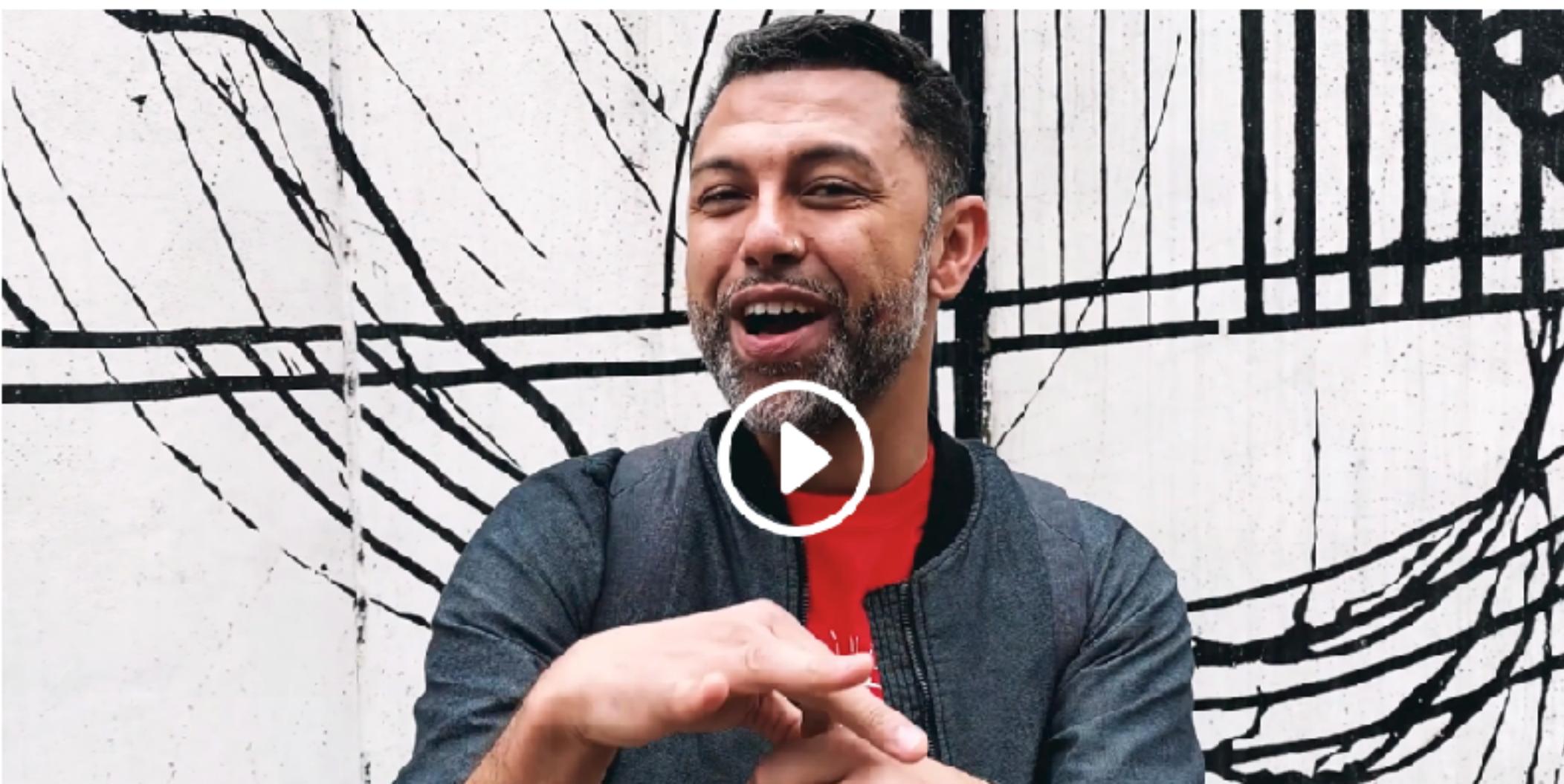
Multimedia solutions



Home Resource Center Our Coalition About Us Subscribe



*Our mission is to inform
and engage deaf
communities throughout
the 2020 election by
developing and sharing
resources in ASL.*



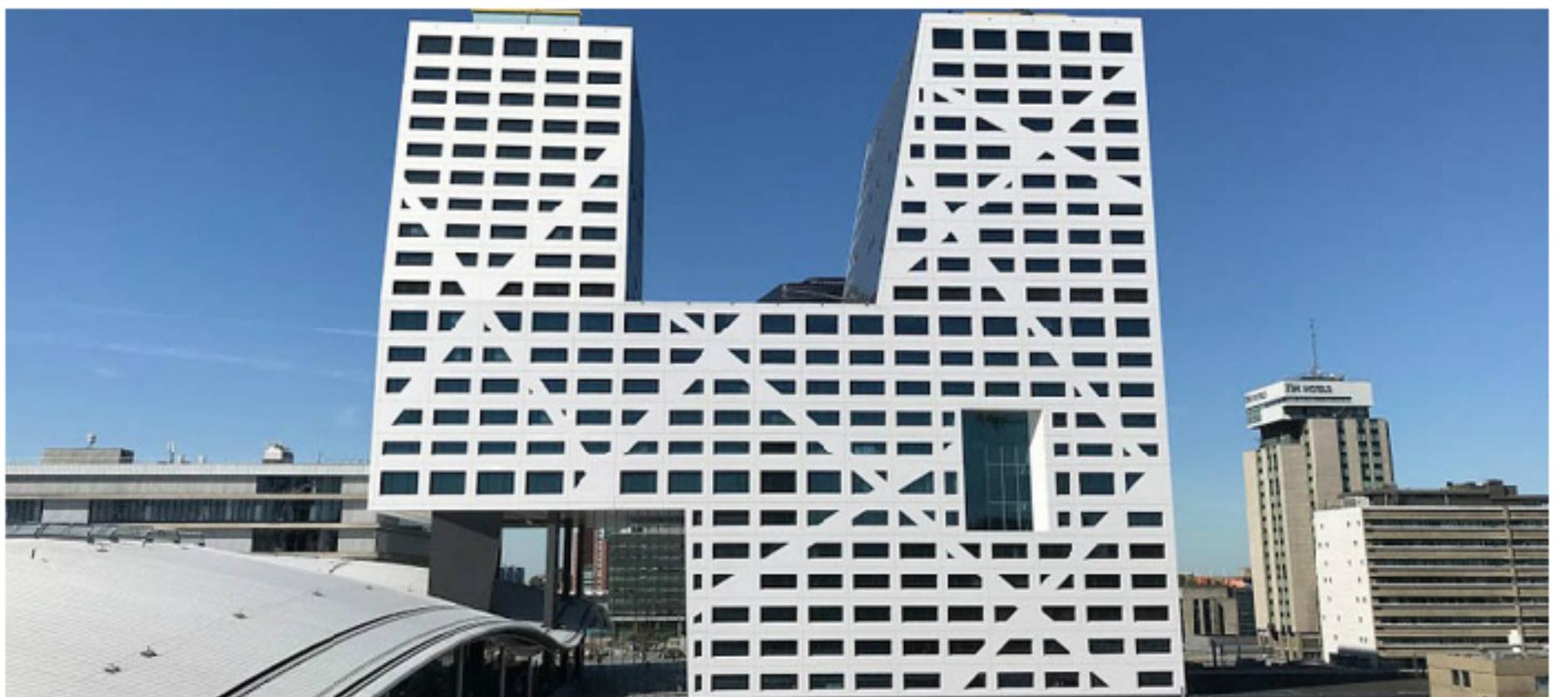
Sign Vote 2020



Gemeente Utrecht

Home

Contact



Algemene contactgegevens

Telefoon

14 030 (verkort nummer)

[Meer informatie over dit telefoonnummer](#)

Vanuit het buitenland:

+31 30 286 00 00

Maandag t/m vrijdag 8.30 – 17.30 uur,
donderdag tot 20.00 uur

Bel met Teletolk



Powered by  djanah™

[Doof of slechthorend? Bel met Teletolk.](#)



ZOEKEN

 Lees voor

- › [Afspraak maken](#)
- › [Vraag, wens, idee](#)
- › [Melding, klacht, bezwaar](#)

Contact

[Afspraak maken >](#)

- Stadskantoor, Stadsplateau 1, 3521 AZ Utrecht
- Wijkservicecentrum, Dorpsplein 1, 3451 BK Vleuten (alleen burgerzaken)

[Bereikbaarheid en huisregels](#)

Preferred contact options

- Telephone
- Email
- Text
- Other (please specify)

Comments

donotreply@email.com

(and with a telephone number only)

All

Missed

Edit

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07/12/2018

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Favourites



Recents



Contacts



Keypad

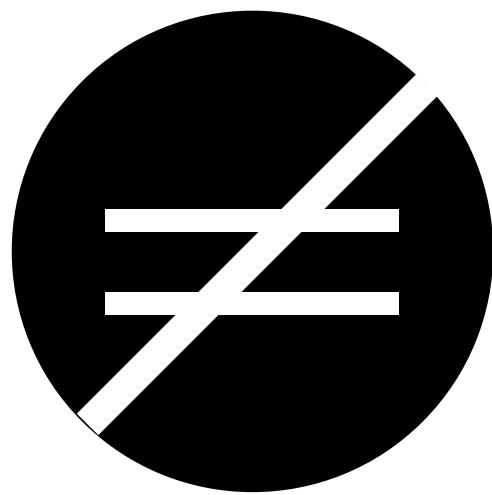


Voicemail

Name***Email*****Telephone number****** obligatory**

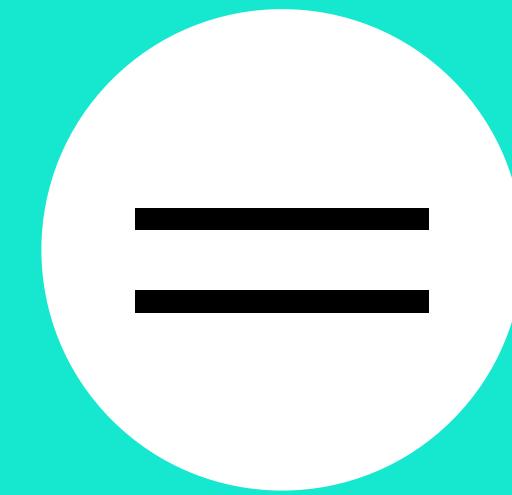
**Do not rely on
sound clues only**
(use visual alerts as well)

Disability



Personal
Health
Condition

Disability



Mismatched
Human
Interactions

“I don’t have a disability;
society imposes a disability
upon me”

Eva Westerhoff

Design Thinking

Empathize - Prototype - Sprint - Ideate - Test

? Check It with content design

Interact with us

Don't ask us

Ask with us

Design with us

Designing for the Deaf (and everyone actually)





Designing *with* the Deaf (and everyone actually)

**It's just a human right
to be heard**

**It's just a human right
to be heard**

**It's just a human right
to be *included***



Photo courtesy: Pulse Kenya

Over 30 million speech impaired people understood by most of the people on the planet.

[Read more This AI-Powered Smart Glove Could Change Lives](#)

Roy Allela, a 25-year-old Kenyan man, innovation could change the lives of hearing-impaired people around the world.

Dubbed Sign-IO, the gloves have sensors

Allela said challenges faced by his deaf friends is one of the most important aspects o

around the world who are making a difference in their communities. In 2018, the Society has selected 20 young scientists from around the world with \$500,000 prizes — and Ethan was one of them.

"To be recognized in science as working to benefit the community was one of the greatest awards I could ever ask for," Ethan said. "This innovation can have a huge impact on society. It's driven me to continue innovating to help others from every background."

In the future, Ethan is interested in electrical engineering and building complex circuits "just for the fun of it." He plans to pursue a master's degree in psychology and a Ph.D. in electrical engineering.

Ethan encourages others interested in STEM to not "shirk away from any of your craziest ideas. A lot of times, those have the most potential. Don't let them scare you because they would be too hard."

Check back for more blog posts from other Community Innovation Award winners from this year.



Ethan wears the Sign-IO gloves before his demo.

Photo courtesy of ETHAN ALLELA

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TOPICS: OUTREACH & EQUITY YOUNG & AMAZING

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erio

/ MICROZED CHRONICLES / ARDUINO / RASPBERRY PI / HARDWARE / IOT / STARTUPS / ENGINEER

Smart Gloves That Can Translate Sign Language to Writing and Speech

 Alasdair Allan [Follow](#)
Jul 17, 2017 · 2 min read

Much like Linux on the desktop, it's always next year that's going to be the year wearables take off. My own view is that wearables aren't going to take off 'til they're, well, wearable. The current collection of smartwatches, and fitness trackers, aren't wearables. They're just things that people wear.



purpose for developing these glove



@marievandries Content Design Meetup 2020

“Nothing about us,
without us.”

James Charlton

thank you



@nyledimarco

Marie van Driessche



@marievandries