The importance of accessibility in the event of disasters
(fire evacuation)

Mieke Broeders, director Enter vzw



Overview

- Enter vzw Flemish center for expertise in accessibility
- Specific needs of people with disabilities during a fire evacuation – conflicts accessibility and evacuation?
- Accessibility and evacuation: equally important
 - 1. An accessible building
 - 2. Evacuation procedures and training
 - 3. Evacuation in multi-storey buildings specific solutions?
- Conclusions

Enter, Flemish center for expertise in accessibility

- Contribute to a coherent policy and inclusive approach by
 - inspiring,
 - informing,
 - promoting Universal Design,
 - research,
 - projectworking
 - together with users, professionals and decision makers



including accessibility in all domains of life



public buildings



healthcare



green spaces



public space



culture and leisure



communication



mobility



tourism



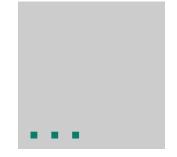
sports



housing



education





Zoeken Q

Actueel

Over Enter

HOOG CONTRAST A A EN FR

In de kijker

Open brief: Toegankelijkheid gegarandeerd

Onze open brief mee ondertekenen? Dat kan!

Enter nieuwsbrief

Wil je op de hoogte blijven? Geef dan hier je e-mail adres.

>>

Enter vzw, Vlaams Expertisecentrum Toegankelijkheid

Toegankelijkheid

Expertise in toegankelijkheid verankeren in diverse domeinen.

Thema's

Inspireert, informeert, sensibiliseert

Werking

ledereen kan bij Enter terecht voor alle vragen rond toegankelijkheid.

Onderzoekt

Door in Vlaanderen de vinger aan de pols te houden en nieuwe

toegankelijkheidsconcepten te ontwikkelen.

Ondersteunt en werkt samen

We bouwen mee aan een daadkrachtig en coherent Vlaams

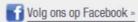
toegankelijkheidsbeleid.

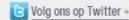
Themawebsites

Publicaties

Studiedag Onroerend Erfgoed en Toegankelijkheid op 28/03

Workshop Toegankelijke schoolgebouwen op 21/03





De vele gezichten van toegankelijkheid



Publieke gebouwen











Cultuur en vrije tijd

Equal Opportunities Flanders (EOF)

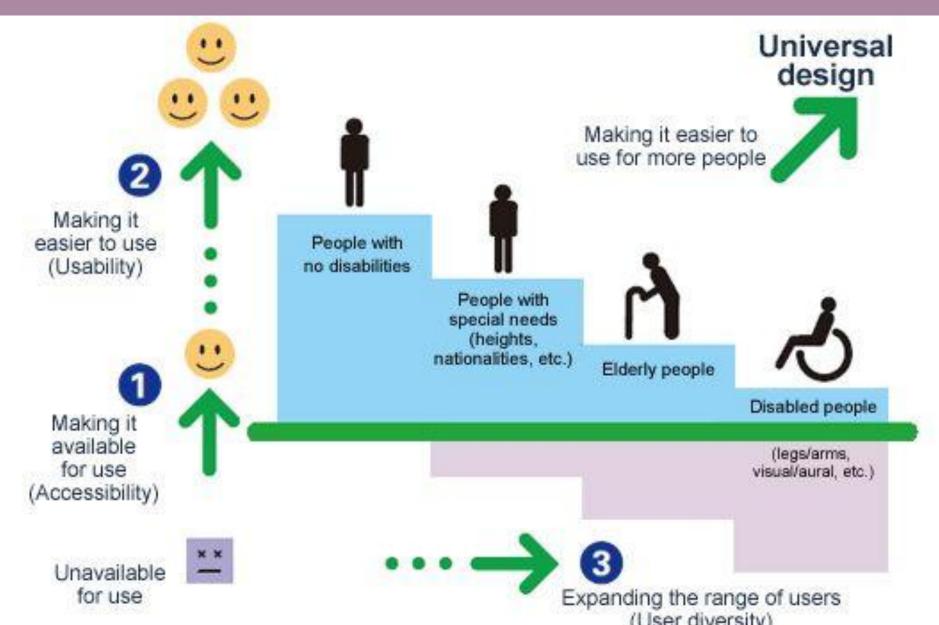
Open coordination method Equal Opportunities

- Vertical policy: Accessibility creates equal opportunities (via legislation, research, publications, tools, cooperation with civil society)
- Horizontal policy (mainstreaming)
 - within the Services for General Government Policy
 - coordination of the integration of accessibility perspectives in all Flemish policy fields – open method of coordination
 - Every domain makes an actionplan + budget

Partner for Flanders policy on accessibility

- 1/5/2015
 - Independent Flemish agency
 - Merge with 5 accessibility organisations
 - Municipalities, provinces, industry
 - events
 - Multi-disciplinary team of 50 persons

Accessibility by universal design



Mobility impairments

- Wheelchair users (independent or with help)
- People with walking difficulties (sometimes with walking stick, aids ...)
- Temporary limitation (broken legg ...)
- People with little stamina/endurance (heart patients ...)

Needs?

- No heavy doors <-> door pumps for firesafety
- No obstacles (steps, steep slopes, stairs ...)
- Sufficient space to manoeuvre
- Accessible (reachable) elements such as fire alarm ...
- Banisters
- Rest areas



Visual impairments

The visibility is limited or non existent.

Needs?

- Braille, strongly contrasting colors for signalisation, sound ...
- Good wayfinding transparent (to avoid orientation problems) and stable (modifying spaces as little as possible) structure



Hearing impairment

Deaf, hard of hearing ...

Needs?

 Combination of the auditive signal with a light signal or tactile signal (vibration)



Mental / cognitive disabilities

Mental or cognitive problems due to handicap but also ... stress-situations, autism, dementia, confused, not knowing the building ...

Needs?

- Simple information
- Transparent logical structure (to avoid orientation problems)

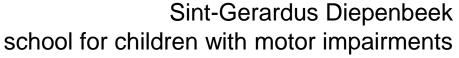


equally important

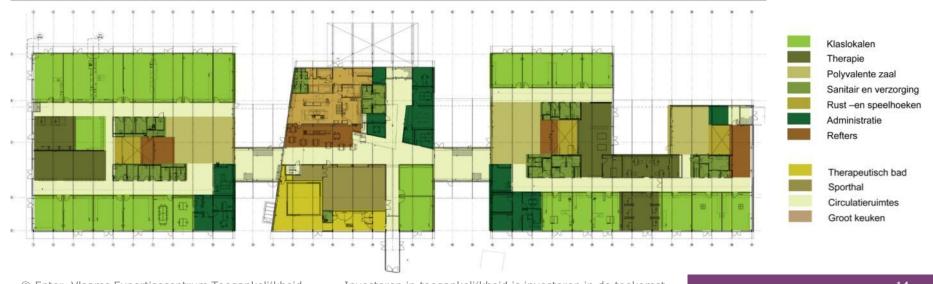
- 1. Including evacuation / accessibility in the concept building
- 2. Evacuation procedures and training
- 3. Specific solutions

1. The building should be accessible for all

-> accessible design









1. The building should be accessible for all-> accessible design

The regulation on accessibility in Flanders gives a basis for accessibility in public buildings – linked to the building permit

Regional Planning Regulation accessibility (1/3/2010)

- Public buildings (>150m²) must be accessible on the ground floor and all other floors
- Other floors are mostly accessible by elevator

But!

 Evacuation is not included in the regulation – only the accessibility



2. Evacuation procedures and training

- an evacuation plan including people with a disability
- clear procedures
- training and exercises
- presence of trained personnel is essential.



3. Evacuation in multi-storey buildings –specific solutions?

Principle: the use of the elevator is not allowed

Solutions?

lift with priority call for fireman

Alternatives

- Evacuation through a wall opening or waiting terrace
- Horizontal evacuation
- Waiting zone
- Evacuation by stairs with evacuation chairs



Lift priority call

Additional building requirements (fire prevention standards)

- a room before the elevator with self-closing or in case of fire self-closing doors
 - ! Self closing doors should be easily opened by wheelchair users
- The elevator cage is accessible for minimum 1
 wheelchair user and 1 accompany (min. 1,1 m (W) x
 1,4 m (D))
- Elevator doors automatically open and close with min. 80cm
- emergency electrical power and fire resistance of the electrical wiring
- -> expensive solution -> 4 alternatives



Alternative 1: evacuation through a wall opening or waiting terrace

- The terrace must be sufficient and accessible to persons with disabilities.
- Only applicable for low and mid-rise buildings
- Only applicable for a small number of people with reduced mobility (eg. Apartments)



Alternative 2: horizontal evacuation to an other compartment

- People with disabilities can reach (without stairs) an other (fire)compartment in the building
- The (fire)compartment should be a safe place



Alternative 3: waiting zone

- = protected areas where a person can wait briefly until help arrives.
 - The evacuation plan is essential.
 - There is a bidirectional communication system.
 - A waiting area is NOT an area where people with disabilities can be left until help turns up.



Alternative 3: waiting zone

- The person in the waiting area must be constantly informed of the situation and assured that necessary actions are taken for his evacuation.
- The waiting areas have adequate fire protection.
- The waiting areas can't reduce the width of the escape routes. A minimum width is guaranteed.
- only applicable for low and mid-rise buildings AND for a small number of people with reduced mobility (eg. Appartments)

Vertical evacuation in a building

Alternative 4: evacuation by stairs with evacuation chairs

- For this alternative each person with a disability must be accompanied by an able-bodied person who has been trained to operate an evac-chair.
- The preparation of an evacuation plan and a permanent presence of trained personnel is essential.
- only applicable for low and mid-rise buildings
- only applicable for a small number of people with reduced mobility (eg. Apartments)



Conclusions

- Include evacuation and accessibility from the design of a building
- Tailormade solutions : cooperation between Accessibility Expert & expert on firesafety
- Fire safety can't be an alibi for excluding people



Rolstoelgebruikers niet meer toegelaten in aantal zalen Kinepolis

29/04/2011 om 08:42 door fyranckx





Rolstoelgebruikers niet meer toegelaten in aantal zalen Kinepolis

Dassonville van de Kinepolis Group.

Dat komt omdat rolstoelgebruikers sinds kort niet meer worden toegelaten in een aantal filmzalen. Als reden voor de maatregel roept Kinepolis Group de brandveiligheid in: "Rolstoelgebruikers kunnen de filmzalen zonder rolstoelhelling niet langer per lift bereiken. Indien er brand uitbreekt, mag de lift immers niet gebruikt worden", klinkt het.

Website

"Het klopt dat vier van onze veertien filmzalen in Hasselt niet langer toegankelijk zijn voor rolstoelgebruikers", bevestigt Myriam

Ze benadrukt dat de nieuwe maatregel niet tot gevolg heeft dat rolstoelgebruikers sommige films uit het aanbod niet meer zouden kunnen bekijken. "De films worden niet toegewezen aan een bepaalde zaal. De programmatie wijzigt regelmatig. Op de website vinden ze wanneer welke films in welke zalen draaien en of die zalen voor hen toegankelijk zijn."

Maar zo eenvoudig is het voor Mieke niet. "Omdat ik in een rolstoel zit, is een verplaatsing voor mij niet evident. Ik kan niet gaan en staan waar en wanneer ik wil. Ik moet daarvoor beroep doen op familie of vrienden."

Thank you!

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