

Europe Without Barriers conference "Accessible Tourism: Opportunity for All"

Universal Design of Tourism Infrastructure

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Misconception

"Accessibility only concerns people with disabilities"

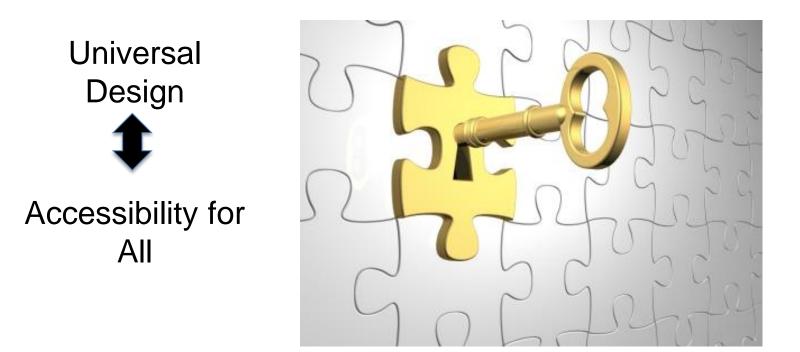
Wrong!

- It concerns everyone's comfort and safety and their ability to carry out any kind of activity
- It applies to ALL people with obvious or hidden problems, and also issues that can eventually arise, on a holiday trip or in the rest of one's life.

If we understand this, then we will understand that accessibility has to be a first priority in everything we plan or design.

Universal Design

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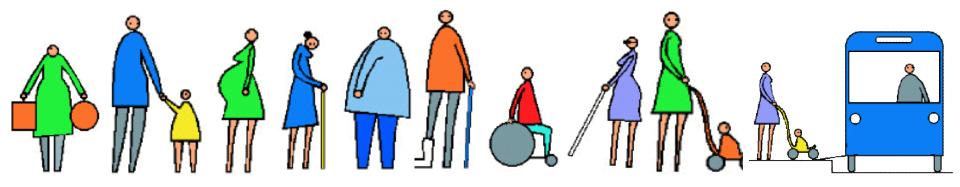


Good design enables



- bad design disables!

Universal Design



'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. The intent of the universal design concept is to simplify life for everyone. The universal design concept targets all people of all ages, sizes and abilities'.

(Center for Universal Design, Raleigh, NC, USA)

Universal Design

- Universal Design (UD), originated in the USA.
- It is a design approach, reflecting a new way of understanding and responding to people's needs.
- It is not a list of particular solutions, measurements, or products.
- Universal Design is the way to reach the solution for creating comfortable, sustainable and safe environments, products and services for ALL.

Design for All

- In Europe a similar development has taken place, named "Design for All".
- Design for All means designing, developing and marketing mainstream products, services, systems and environments to be accessible and usable by as broad a range of users as possible.



Who are we designing and planning for? For the widest range of visitors



Very large or tall people







- Older people, who may be frail, or tire easily or have multiple impairments
- People who are managing a long-term health condition



Seniors – a **large** part of accessible tourism

- •1 in 5 persons in Europe are aged over 60
- They want to travel and enjoy life.

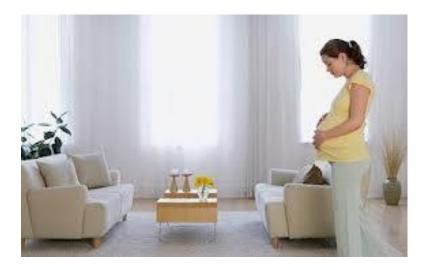
Seniors from
Europe take 6 to 7
trips a year



Families with small children

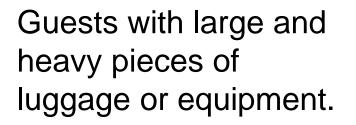


Pregnant women





Guests with a temporary physical impairment, e. g. a broken leg.







Tired, sleepy, stressed or absent-minded customers.



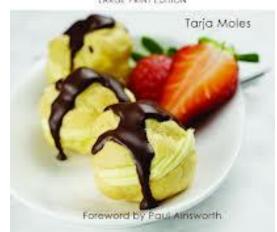
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People with asthma or allergies or dietary requirements



No Naughties

Sweet treats without sugar, wheat, gluten and yeast









Including visitors who have specific disabilities or impairments







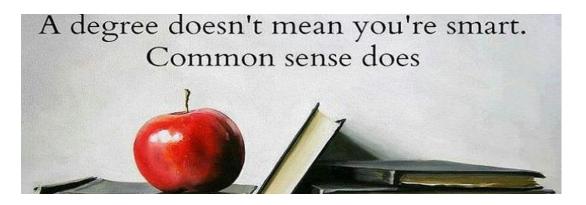






... to be usable by all people... "It is all about common sense!!!"







1. Equitable Use: The design is useful and marketable to people with diverse abilities.



2. Flexibility in Use

The design accommodates a wide range of individual preferences and abilities.



3. Simple and intuitive use

Use of the design is easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level.





4. Perceptible Information

The design communicates necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities.



5. Tolerance for Error

The design minimizes hazards and the adverse consequences of accidental or unintended actions.



6. Low Physical Effort

The design can be used efficiently and comfortably and with a minimum of fatigue.



7. Size and Space for Approach and Use

Appropriate size and space is provided for approach, reach, manipulation, and use regardless of user's body size, posture, or mobility



What are the consequences of **not** following UD principles?

- Exclusion of some visitors from tourism experiences and offers
- Lower quality of services for the wider range of visitors
- Less safe environments and products
- > Not sustainable environments, services and solutions
- Need for adaptations, re-design, re-building requiring additional expense
- Reduced Return on Investment.

UD → Comfort, Safety, Quality, Sustainability, Growth

What needs to be done?



> Awareness and Training is necessary.

- Education: there is a gap in design education
- UD to be taught across the whole range of education and actors in the tourism sector
- ...from decision-makers, politicians, teachers and professors, managers, front-line staff, to product and web designers...
- And all professions related to the built environment and transport, such as planners and architects.



In product design

- A glass washbasin…!
- Shower gel or shampoo?





In tourism infrastructure and businesses

Why Steps? What about moving the icecream freezer?

The solution: a small ramp



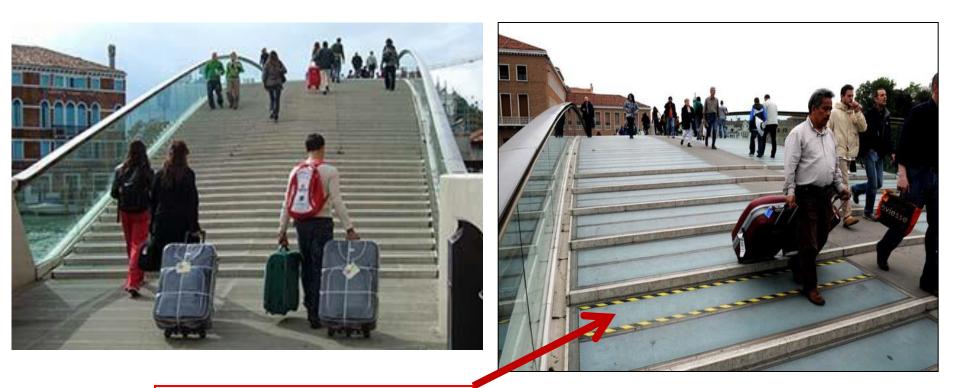
In the built environment



Ponte della Costituzione, Venice

Accessibility was not specified in the procurement process.

Lack of requirements leads to poor access, not sustainable environments and expensive solutions...



Steps and glass surface cause inconvenience and confusion

Ponte della Costituzione, Venice



The mechanical capsule solution for wheelchair users was added afterwards at considerable expense. It takes 17 minutes to cross the canal and still discriminates against people with reduced mobility.

Millennium Bridge, London



A footbridge designed to be used by everyone.

Plan to allow everyone to visit, enjoy and participate







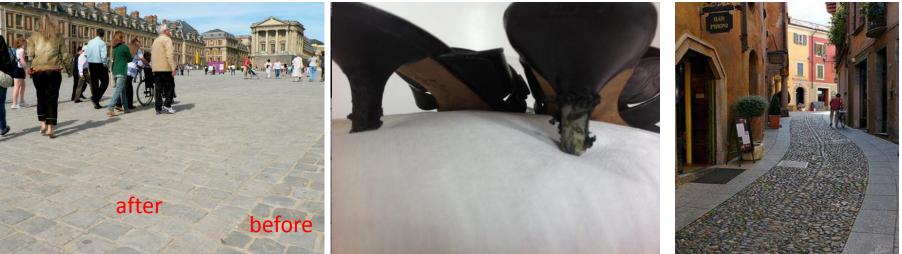


Public spaces- historical cities - cobbled or paved streets









Activities in Nature



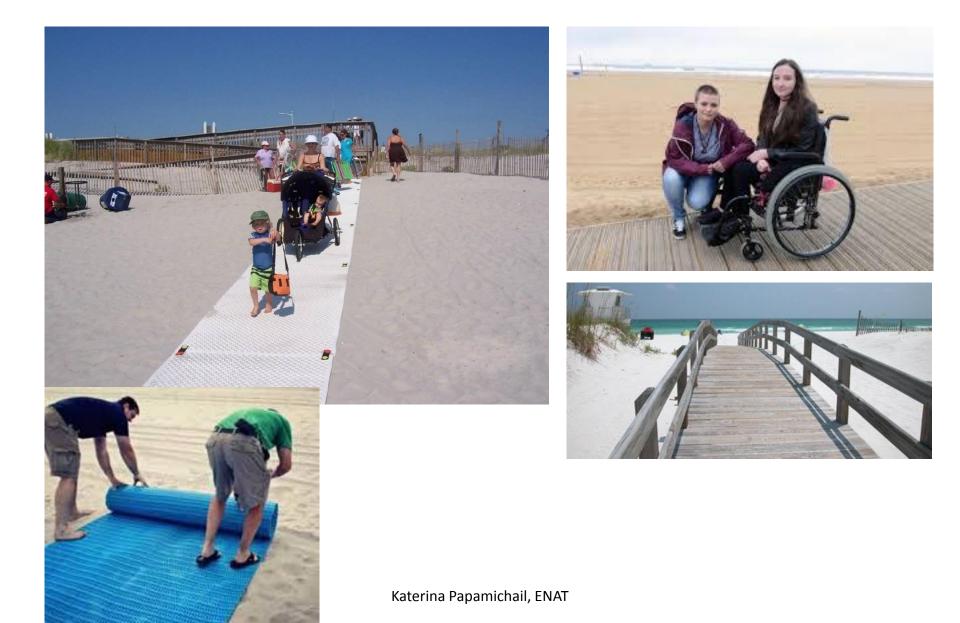






Katerina Papamichail, ENAT

Access to beaches and the sea



Hotels

Buffet / counter at suitable height for wheelchair users and children









Katerina Paparmentan, LNA

Hotels



Roll-in shower, support handrails are suitable and safe for everyone



Hotel rooms



Spacious rooms, moveable furniture, colour contrast



Aegialis Hotel and Spa: - bathroom night light and non-slip floor tiles

Transport - accessible mini van, suitable for all



Heritage Sites and Nature

Universal Design is a broad concept but sometimes it has practical limits.



Access to the Acropolis – has been achieved



- through a discrete and careful intervention using technology. Since we could make the Acropolis – a UNESCO World Heritage site - accessible for wheelchair users and people with walking difficulties, it may be possible elsewhere to improve accessibility, **if we take the decision.**

Stories of innovation and creation....

Access to the Sea for All: SEATRAC

https://vimeo.com/51886932



Director Nikos Logothetis, DP Chris Ortentzio, DP Kostas Fasoulas Original music Leonardo Galanakis, Editing Kostas Bitinis



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