

Outdoor lighting for people's everyday life

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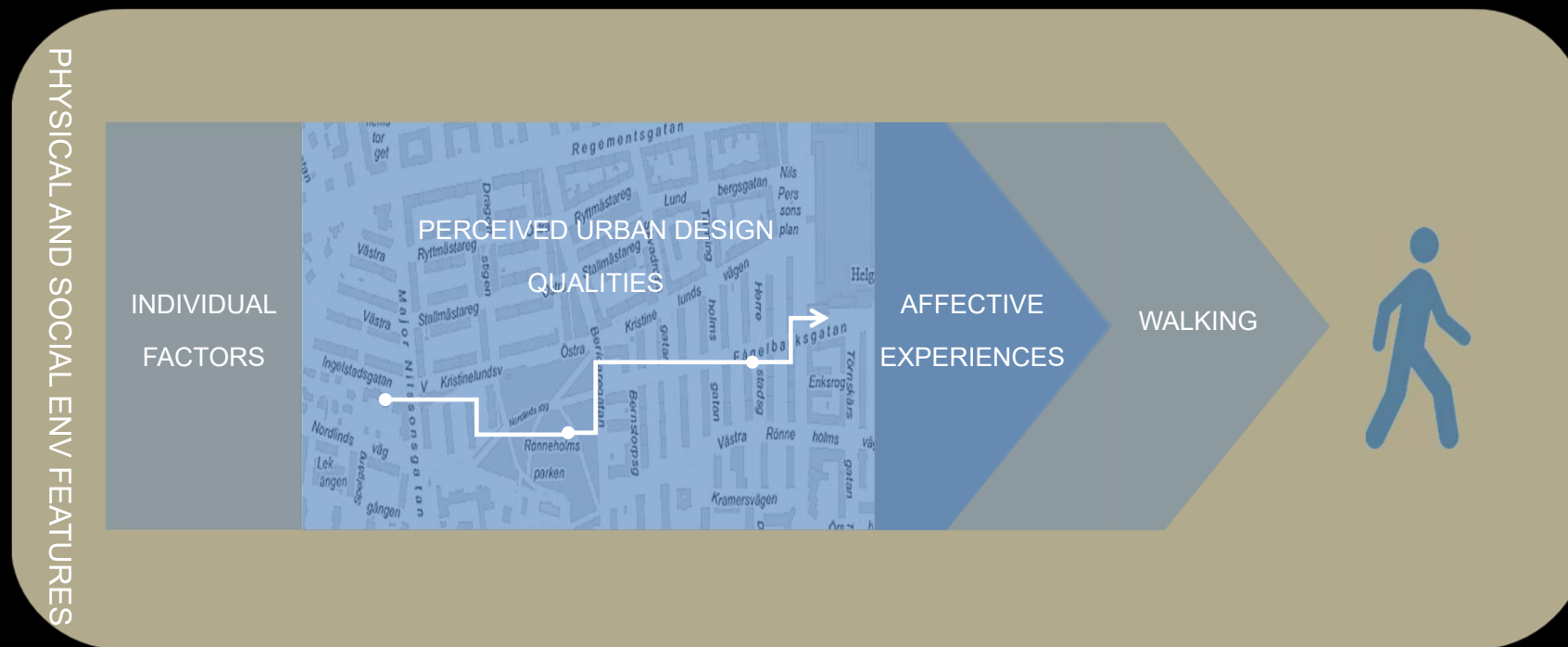


The individual's perspective

"Is the study of transaction between individuals and their physical settings. In these transactions individuals change the environment and their behavior and experiences are changed by the environment."

Gifford, 1997

Environment and walking behaviour

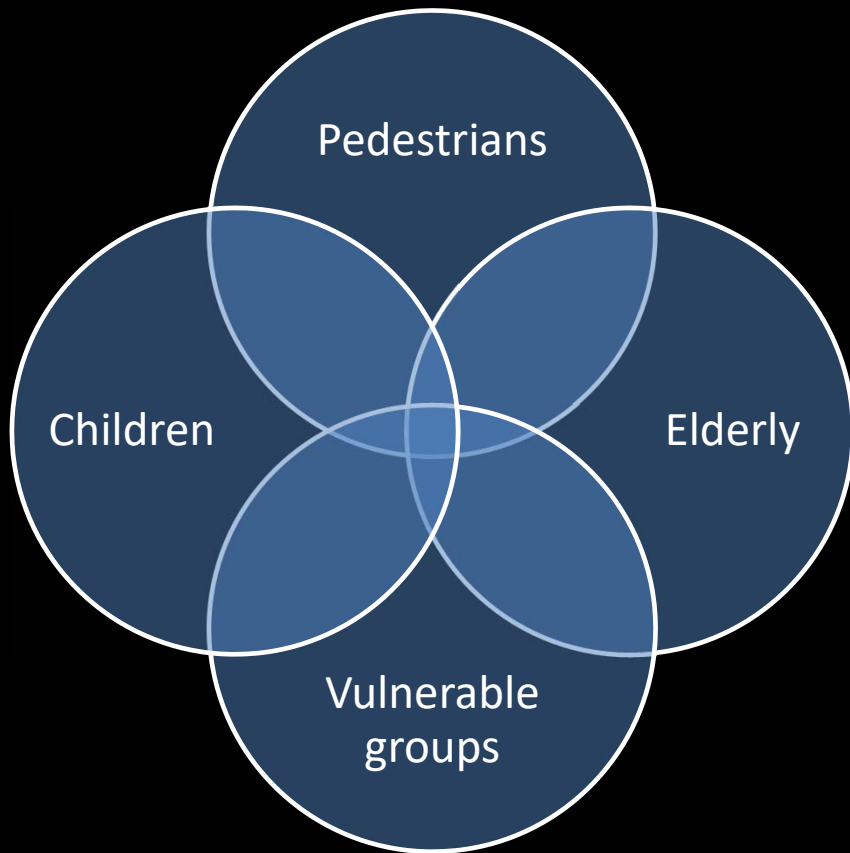


Johansson et al., 2016



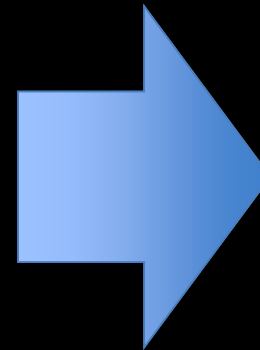
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Including different user groups and activities



(Urban) everyday settings and activities:

- Mobility & physical activity
- Social interaction
- Recreation and psychological restoration



Health & well-being outcomes
Energy use
Environmental impact

Outdoor lighting for everyday life

- People's perception, evaluation and behaviour
- The needs of different individual user (groups)
- Place-based experiences of the physical setting and the people present

References

Hennig, K., Fotios, S., Gentile, N., Sternudd, C., & Johansson, M. (2022). Social interaction in local public squares after dark. I *The 8th International Light Symposium: Re-thinking Lighting Design in a Sustainable Future (Light Symposium 2022)* (Vol. 1099). [012008] (IOP Conference Series: Earth and Environmental Science; Vol. 1099). IOP Publishing. <https://doi.org/10.1088/1755-1315/1099/1/012008>

Litsmark, A., Johansson, M., Mattsson, P., & Rahm, J. (2022). *Through light and darkness: A literature review of children's independent mobility after dark*. Abstract från 27th IAPS Conference, Lisboa, Portugal

Johansson, M., Laureshyn, A., & Nilsson, M. (2020). Video analysis of pedestrian movement (VAPM) under different lighting conditions—method exploration. *Energies*, 13(6), [4141]. <https://doi.org/10.3390/en13164141>

Johansson, M., Pedersen, E., Mattsson, P., Kuhn, L., & Laike, T. (2014). Perceived outdoor lighting quality POLQ. A lighting assessment tool. *Journal of Environmental Psychology*, 39, 14-21. <https://doi.org/10.1016/j.jenvp.2013.12.002>

Johansson, M., Sternudd, C., & Kärrholm, M. (2016). Perceived Urban Design Qualities and Affective Experience of Walking. *Journal of Urban Design*, 21(2), 256-275. <https://doi.org/10.1080/13574809.2015.1133225>

Rahm, J., Sternudd, C., & Johansson, M. (2021). “In the evening, I don’t walk in the park”: The interplay between street lighting and greenery in perceived safety. *Urban Design International*, 26(1), 42-52. <https://doi.org/10.1057/s41289-020-00134-6>

Mattsson, P., Johansson, M., Almén, M., Laike, T., Marcheschi, E., & Ståhl, A. (2020). Improved usability of pedestrian environments after dark for people with vision impairment: An intervention study. *Sustainability (Switzerland)*, 12(3), [1096]. <https://doi.org/10.3390/su12031096>

