Course literature
Planning for a Sustainable Information Society, course code 709A05

Spring 2026

Please note that updates to the literature can be made closer to the course start but you will be notified via Lisam.

Note regarding changes to the literature:

The reference to Herzog (2025) has been added to the obligatory course literature.
The reference to Hasler et al. (2017) has been removed from the course literature.
The reference to Toukola & Ahola (2022) has been moved to the obligatory literature.
The reference to Morra et al. (2024) has been moved to the recommended literature.

Compulsory literature

Course books:

Douay N (2018) *Urban Planning in the Digital Age: From Smart City to Open Government?* Wiley.
Available at the university library as an e-book.
Chapters 1, 2 and 3

Halegoua (2020) *The Digital City: Media and the Social Production of Place*. New York: New York University Press. Chapters 1 & 2 on "The Smart City" and "The Connected City" *(Chapters available via the Lisam Course Page/Literature).*

Articles:

Caprotti, Federico, I-Chun Catherine Chang, and Simon Joss. "Beyond the smart city: A typology of platform urbanism." *Urban Transformations* 4, no. 1 (2022): 4.

Vadiati, Niloufar. "Alternatives to smart cities: A call for consideration of grassroots digital urbanism." *Digital Geography and Society* 3 (2022): 100030.

Toukola, S., & Ahola, T. (2022). Digital tools for stakeholder participation in urban development projects. *Project Leadership and Society*, 3, 100053.

Cohen, N., Chrobok, M., & Caruso, O. (2020). Google-truthing to assess hot spots of food retail change: A repeat cross-sectional Street View of food environments in the Bronx, New York. *Health & Place*, 62, 102291.

Herzog, R.H. (2025) 'Towards hyperreal planning? Surveying practical uses of digital models and simulations in Hamburg's public administration', *European Planning Studies*, pp. 1–21.

Enlund D, Harrison K, Ringdahl R, et al. (2022) The role of sensors in the production of smart city spaces. *Big Data & Society* 9(2): 205395172211102. DOI: 10.1177/20539517221110218.

Harrison, K., 2017. Who is the assumed user in the smart city? *Designing, Developing, and Facilitating Smart Cities: Urban Design to IoT Solutions,* pp.17-32.

Walter, C. (2024). Digital technologies for the future of the water sector? Examining the discourse on digital water. *Geoforum; Journal of Physical, Human, and Regional Geosciences*, 148(103918), 103918.

Suggestions for further readings (optional):

C. Phillips, J. Jiao and E. Clubb, "Testing the Capability of AI Art Tools for Urban Design," in *IEEE Computer Graphics and Applications*, doi: 10.1109/MCG.2024.3356169 https://ieeexplore.ieee.org/document/10409272

Kunze, A., Burkhard, R., Gebhardt, S., & Tuncer, B. (2012). Visualization and decision support tools in urban planning. In *Digital Urban Modeling and Simulation* (pp. 279-298). Springer, Berlin, Heidelberg.

Morra D, Zhu X, Liu C, et al. (2024) Mapping sidewalk accessibility with smartphone imagery and Visual AI: a participatory approach. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences* 382(2285): 20240106.

Münster, S., Georgi, C., Heijne, K., Klamert, K., Noennig, J. R., Pump, M., & van der Meer, H. (2017). How to involve inhabitants in urban design planning by using digital tools? An overview on a state of the art, key challenges and promising approaches. *Procedia Computer Science*, 112, 2391-2405.