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.

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.

Hasler, S., Chenal, J., & Soutter, M. (2017). Digital tools as a means to foster inclusive, data-informed urban planning. *Civil Engineering and Architecture*, 5(6), 230-239.

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.

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.

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.

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

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.