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

Spring 2025

Please note that more articles may be added 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

Van Dijck, José, Thomas Poell, and Martijn de Waal (2018) *The Platform Society.* New York: Oxford University Press.
the Introduction + Chapers 1 and 2 (Available via Lisam course page, Literature)

Halegoua, Germaine. R. (2020). *Smart Cities. MIT Press Essential Knowledge Series.* Cambridge, MA: MIT Press. *Available at the university library as an e-book.*
Chapters 1 and 2

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.

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.

Vonderau, A. (2018). Scaling the Cloud: Making State and Infrastructure in Sweden. *Ethnos*, 84(4), 698–718.

Mayer, V. (2021). From Peat to Google power: Communications infrastructures and structures of feeling in Groningen. *European Journal of Cultural Studies*, 24(4), 901-915.

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.