

Note: some slides are left as sourced on the slides themselves and referenced

## Lecture 1

Slide 3: adapted from Tracking SDG7: The Energy Progress Report 2023

Slide 4: IEA SDG7: Data and Projections - Access to electricity,  
<https://www.iea.org/reports/sdg7-data-and-projections/access-to-electricity>

Slide 5: World Bank: State of Electricity Access Report,  
<https://documents1.worldbank.org/curated/en/364571494517675149/pdf/114841-REVISED-JUNE12-FINAL-SEAR-web-REV-optimized.pdf>

Slide 6: The Climate Group/Flickr

Slide 8: Roundtable Initiative on Strategic Energy Planning,  
<https://climatecompatiblegrowth.com/roundtable-initiative/>

## Lecture 2

Slide 4: The Climate Group/Flickr

Slide 5:

Top photo from Mott Foundation, <https://www.mott.org/news/articles/digital-platform-could-increase-access-to-modern-energy-services-in-africa/>

Middle photo from Sun-Connect, <https://sun-connect.org/geospatial-data-can-help-investors-prioritize-energy-access-investments-to-build-more-resilient-communities/>

Bottom photo from Zambia Daily Mail, <http://www.daily-mail.co.zm/experts-talk-rural-health-facilities-electrification/>

Slide 23: “Guidelines for Applying Multi-Criteria Analysis to the Assessment of Criteria and Indicators”, Center for International Forestry Research,  
[https://www.cifor.org/publications/pdf\\_files/Books/toolbox9.pdf](https://www.cifor.org/publications/pdf_files/Books/toolbox9.pdf)

M. Dean, A Practical Guide to Multi-Criteria Analysis - technical Report, 2022, available at <https://doi.org/10.13140/RG.2.2.15007.02722>.

Slide 24: M. Dean, A Practical Guide to Multi-Criteria Analysis - technical Report, 2022, available at <https://doi.org/10.13140/RG.2.2.15007.02722>.

Slide 25: M. Dean, A Practical Guide to Multi-Criteria Analysis - technical Report, 2022, available at <https://doi.org/10.13140/RG.2.2.15007.02722>.

### Lecture 3

QGIS Development Team. QGIS (Quantum Geographic Information System) version 3.14. Computer software. Available at: <https://qgis.org>

### Lecture 4

Mentis, D., L. Odarno, D. Wood, F. Jendle, E. Mazur, A. Qehaja, and F. Gassert. 2019. "Energy Access Explorer: Data and Methods." Technical Note. Washington, DC: World Resources Institute. Available online at: [www.wri.org/publication/energy-access-explorer](http://www.wri.org/publication/energy-access-explorer)

### Lecture 5

Mentis, D., L. Odarno, D. Wood, F. Jendle, E. Mazur, A. Qehaja, and F. Gassert. 2019. "Energy Access Explorer: Data and Methods." Technical Note. Washington, DC: World Resources Institute. Available online at: [www.wri.org/publication/energy-access-explorer](http://www.wri.org/publication/energy-access-explorer)

### Lecture 6

Slide 3: Solà-Morales, O., Sigurðardóttir, K., Akehurst, R., Murphy, L.A., Mestre-Ferrandiz, J., Cunningham, D., de Pourville, G., 2023. Data Governance for Real-World Data Management: A Proposal for a Checklist to Support Decision Making. Value Health 26(4S):32–42  
<https://doi.org/10.1016/j.jval.2023.02.012>

Al-Ruithe, M., Elhadj Benkhelifa, Khawar Hameed., 2019. A Conceptual Framework for Designing Data Governance for Cloud Computing. Procedia Computer Science 94, 160-167  
<https://doi.org/10.1016/j.procs.2016.08.025>

Slide 4: Tableau, 2023. Data Management vs. Data Governance: The Difference Explained  
<https://www.tableau.com/learn/articles/data-management-vs-data-governance>

Slide 5: Tableau, 2023. Data Management vs. Data Governance: The Difference Explained  
<https://www.tableau.com/learn/articles/data-management-vs-data-governance>

Slide 6: Tableau, 2023. Data Management vs. Data Governance: The Difference Explained  
<https://www.tableau.com/learn/articles/data-management-vs-data-governance>

Slide 7: INBO/UNESCO, 2018. Handbook of Water Information Systems: Administration, Processing and Exploitation of Water-Related Data  
<https://www.riob.org/en/documents/handbook-water-information-systems-administration-processing-and-exploitation-water>

Slide 14: Mentis, D., L. Odarno, D. Wood, F. Jendle, E. Mazur, A. Qehaja, and F. Gassert. 2019. "Energy Access Explorer: Data and Methods." Technical Note. Washington, DC: World Resources Institute. Available online at: [www.wri.org/publication/energy-access-explorer](http://www.wri.org/publication/energy-access-explorer)