

Track 1

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

Lecture 1

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Slide 4: adapted from: Mini-grid Policy Toolkit; European Union Energy Initiative Partnership Dialogue Facility (EUEI PDF), 2014

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Lecture 8: <https://ourworldindata.org/energy-access> <https://creativecommons.org/licenses/by/4.0/>
Source World Bank

Slide 9: United nations icons: <https://www.un.org/sustainabledevelopment/news/communications-material/>

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Slide 17: Energy Strategy Reviews Volume 32, November 2020, 100573 Decarbonising the transport and energy sectors: Technical feasibility and socioeconomic impacts in Costa Rica Figure 2: Author: GuidoGodínez-ZamoraLuisVictor-GallardoJamAngulo-PaniaguaaEuniceRamosbMarkHowellsdWillUsherbFelipeDe LeónAndreaMezaeJairoQuirós-Tortósa
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Lecture 2

Slide No. 3: United Nations 2021

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Slides 11 and 12: pixabay; hydro power Unsplash; <https://images.unsplash.com/> Image ETK Small Diesel-Generator

Slide 13: Application of Power Load Forecasting in Urban Distribution Network Planning Based on 3D Real Scene Platform (Figure 1 Analysis of Power Load Forecasting Structure in Distribution Network Planning) Yu Huang¹, Xingang Zhuang¹, Haiyan Liu¹, Qing Yu¹ and Shaohua Luo¹ Published under licence by IOP Publishing Ltd Journal of Physics: Conference Series, Volume 1549, 4. Power Engineering Citation Yu Huang et al 2020 J. Phys.: Conf. Ser. 1549 052121

Slide 16: A Retrospective Analysis of Energy Access with a Focus on the Role of Mini-Grids; Alexandros Korkovelos ^{1,*}, Hisham Zerriffi ², Mark Howells ^{3,4}, Morgan Bazilian ^{1,5}, H-Holger Rogner ^{1,6} and Francesco Fuso Nerini ^{1,5}; <https://creativecommons.org/licenses/by/4.0/>

Slide 18: The Role of Open Access Data in Geospatial Electrification Planning and the Achievement of SDG7. An OnSSET-Based Case Study for Malawi by Alexandros Korkovelos ^{1,*}OrCID, Babak Khavari ¹, Andreas Sahlberg ¹, Mark Howells ¹ and Christopher Arderne ²; <https://creativecommons.org/licenses/by/4.0/>

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Slide 9: Figure 7: Korkovelos A, Mentis D, Siyal SH, Arderne C, Rogner H, Bazilian M, Howells M, Beck H, De Roo A. A Geospatial Assessment of Small-Scale Hydropower Potential in Sub-Saharan Africa. Energies. 2018; 11(11):3100. <https://doi.org/10.3390/en11113100> <https://creativecommons.org/licenses/by/4.0/>

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blue map: Figure 7 in Korkovelos A, Mentis D, Siyal SH, Arderne C, Rogner H, Bazilian M, Howells M, Beck H, De Roo A. A Geospatial Assessment of Small-Scale Hydropower Potential in Sub-Saharan Africa. Energies. 2018; 11(11):3100. <https://doi.org/10.3390/en11113100> <https://creativecommons.org/licenses/by/4.0/>

green maps: Figure A3 in Lighting the World: the first application of an open source, spatial electrification tool (OnSSET) on Sub-Saharan Africa To cite this article: Dimitrios Mentis et al 2017 Environ. Res. Lett. 12 085003 <https://creativecommons.org/licenses/by/3.0/>

Figure 11: WORKING PAPER Beyond Connections : Energy Access Redefined Bhatia, Mikul; Angelou, Niki. 2015. Beyond Connections : Energy Access Redefined. ESMAP Technical Report;008/15. World Bank, Washington, DC. © World Bank. <https://openknowledge.worldbank.org/handle/10986/24368> License: CC BY 3.0 IGO.”

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Slide 15: Khavari, Sahlberg, Korkovelos, & Mentis. (2021, March). OnSSET teaching material 2. Zenodo. <http://doi.org/10.5281/zenodo.4575676>
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Slide 21: Application of Power Load Forecasting in Urban Distribution Network Planning Based on 3D Real Scene Platform (Figure 1 Analysis of Power Load Forecasting Structure in Distribution Network Planning Yu Huang¹, Xingang Zhuang¹, Haiyan Liu¹, Qing Yu¹ and Shaohua Luo¹ Published under licence by IOP Publishing Ltd Journal of Physics: Conference Series, Volume 1549, 4. Power Engineering Citation Yu Huang et al 2020 J. Phys.: Conf. Ser. 1549 052121
<https://creativecommons.org/licenses/by/3.0/deed.en>; U S Department of Energy
<https://www.energy.gov/energysaver/buying-and-making-electricity/hybrid-wind-and-solar-electric->

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<https://doi.org/10.3390/en11113100> 330740