

## EnerTracks Fellowship Course List

### Workstream 1: Methodologies & Approach

1. Brief introduction to Agora Energiewende (incl. International network) / The paradigm shift: the entire flexibility story in a nutshell
2. Nature and work of a mission-driven think tank
3. The political economy of energy transitions
4. Data: availability and interpretation
5. Introduction to energy system modelling
6. Strategic Communication / Project Communication

### Workstream 2: Efficiency First

7. System benefits of energy efficiency (incl. potential)
8. Best practice instruments (overview)

### Workstream 3: Renewable Energy

9. Deep dive "costs": LCOEs, integration costs, system value
10. Remuneration schemes: (dis)advantages of different design choices
11. Co-benefits: local value creation, jobs, air, import independency

### Workstream 4: Least-cost planning & Grids

12. Introduction to grids (regional integration, smoothing effect...)
13. Least-cost planning for vRE (grid integration studies)
14. Future grid operations (short-term measures, toolbox, redispatch...)

### Workstream 5: Flexibility Options

15. Thermal generation: overview, gas, coal (nuclear?)
16. Other flex options for the power sector: DR, EVs, storage with a focus on batteries and pumped hydro

### Workstream 6: Energy markets and flexibility

17. Energy economics: theoretical background, economic dispatch in market-based systems and vertically integrated systems
18. Short-term markets and incentives for flexibility

### Workstream 7: Managing the decline of the conventional sector

19. Coal economics and policy instruments (ETS, tax, phase-out plan)
20. Structural change / regional transformation

### Workstream 8: Fuel Switch

21. Technologies: heat pumps, thermal cooling, synthetic fuels
22. Decarbonising the Industry

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