

How Can Energy Data Standards Support the Energy Transition?

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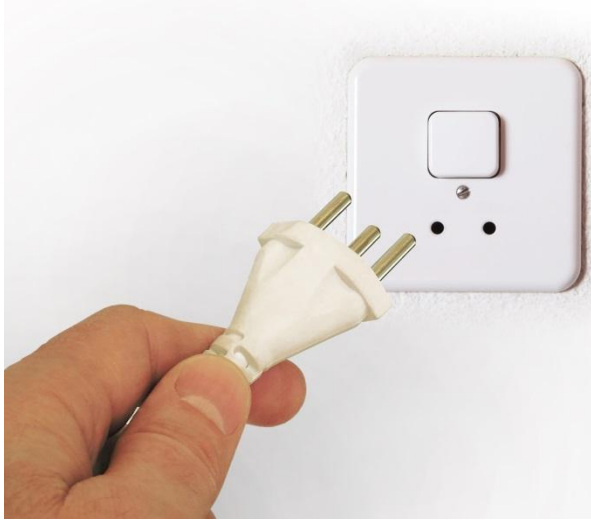
Why do we need data standards?



source: eCH



Why Standards?



source: eCH

- facilitate **collaboration**,
data sharing → **usage**
- Improve **efficiency**
- reduce **costs**
- enable **interoperability**
- create **transparency**
- improve **data quality**



An efficient, resilient and sustainable energy sector



source: canva.com

**Where do we need
energy data standards
to achieve this vision?**

Examples

- Smart meter data
- Smart grids, energy management
- Integration of renewable energy
- Electricity market data
- Energy analytics and decision-making
- EV charging infrastructure
- energy efficiency and demand response
- grid resilience and security
- interoperability in energy markets
- International collaboration
-

Which energy data do we have to standardize to achieve this vision?

What are the current challenges for energy data standardization?

Examples

- Diverse stakeholders
- Lack of industry consensus
- Legacy systems
- Proprietary systems
- Resistance to change
- Need for flexibility
- Lack of enforcement, incentives
- technological heterogeneity
- Lack of awareness



**What can we do as a
community to support
overcoming these
challenges?**

Examples

- Leadership, lead by example
- Enforcement
- Legal framework
- Just do it!
- Collaborate
- Raise awareness: why?



Thanks! ❤️

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