Turning data into innovations through the Energy Data Innovation Hub

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Agenda

• The idea behind EDIH
• When does innovation "emerge"
• Role of the Energy Data Hackdays
• Questions & Discussion
The idea behind EDIH – How did it come about?

Utilities and research community
- don’t know each other
- don’t know which problems the other side has
- Are too covered in their problems that they don’t see the added value of quickly trying something

Demand & Supply

Fragmented innovation landscape
- Numerous ongoing programmes > often with their own KPIs
  Too little dialogue, collaboration in the funding and innovation landscape

Few follow Ups from Programms & measures
- Too little continuity if only hackdays and/or NTN approaches

Access to and implementation of know-how and resources
- Competition for skilled workers and know-how carriers
  Internally, therefore, often not enough capacity to implement data-driven approaches internally.
The idea behind EDIH – Who/What is EDIH

- **Goals**
  - ✔ Promoting open innovation and foster the exchange and exploitation of data in the energy community.
    - Promote (impactful and innovative) data-based projects in the energy sector.
    - Promoting the supply and use of energy data
    - Better use of synergies from existing programs, measures, and activities

- **Vision**
  - ✔ EDIH is the platform on which data-driven innovations pave the way to a sustainable energy supply. By creating a shared ecosystem in which different players come together and work together, we enable the active exchange and utilisation of energy data.
The idea behind EDIH – How did it come about?

- Energy Data Hackdays since 2019
- Joint activities with ESC ETH
- Energy Data Working Group since 2020
- Idea and workshop in 1/2024
The idea behind EDIH – What’s the plan, how do we want to proceed?

What do we plan to establish:

✔ Bring industry and academia together and let them talk
  - facilitate meetings and events between researchers from universities and research institutions and external experienced entrepreneurs and intrapreneurs and supports the journey from idea to implemented projects

✔ Challenge them to solve a single, specific problem together in short time

✔ Build up a community
The idea behind EDIH – How to tackle it

**Organization EDIH**

- Core group
  - defines topics for smaller events
- Office
  - communication
  - Organizing events
    - EDHD
    - Energy Now
    - Energy Data Summit
    - Energy Fuck Up Night
    - Smaller events
  - Project hub / project tinder
  - Existing approaches / results from EDHD

**What is EDIH standing for?**

- Open innovation
- Networking
  - Meet and exchange
  - Events
- Learn from each other
- Information and doing
- Cooperation
- Events
- Project / use case development / definition in the community
When does innovation «emerge»

➢ “Innovation is defined as the process of bringing about new ideas, methods, products, services, or solutions that have a significant positive impact and value. It involves transforming creative concepts into tangible outcomes that improve efficiency, and effectiveness, or address unmet needs.”

➢ Innovation is not created by a single factor, but by the interplay of various ingredients that create a favourable environment for the emergence of new ideas, concepts and solutions.

Sources:
https://ideascale.com/blog/what-is-innovation/
Role of the Energy Data Hackdays – where it all began

Who is participating
Different types of roles
Why do people and organisations participate
Challenges and topics
Role of the Energy Data Hackdays - Partner
Role of the Energy Data Hackdays - Roles

- Data Partner
- Research Partner
- Challenge Owner
- ORGA
- Sponsoring Partner
- Participants
Role of the Energy Data Hackdays – Reasons for participating

- Information
- Innovative solutions
- Rapid prototyping
- Collaboration and Networking

- Education and Awareness
- Promotion of start ups and innovations
- Recruiting

Personal-marketing

Mitarbeiter-sensibilisierung

Marketing/Visbilität

Networking unter Gleichgesinnten

Einbindung/Kontakte in/zur Energy Data Working Group
Role of the Energy Data Hackdays – Challenges & Topics

[Diagram showing various challenges and topics related to energy data.]
Energy Data Hackdays

12th / 13th September 2024  https://energydatahackdays.ch/
Questions & Discussion
Thanks for your attention and interest!

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