EVERY1

Knowledge Hub

A practical guide to resources on the digital energy transition

Every1 can contribute to the energy transition

Introduction

This booklet is a short, practical guide to the Knowledge Hub developed by the Every1 project, a central space for learning materials, tools and pathways that support participation in the digital energy transition. It explains what you can find in the Hub, how the different sections work, and how to make use of the open, reusable resources available.

This guide offers a walkthrough of the Learning Pathways, the library of learning materials and the Tool Repository, and shows where to find translations and options for adapting content for your own activities. It also gives an overview of how the Hub was developed and how it links to the wider Every1 network and project outputs.

Every1 is a Horizon Europe project that supports people and organisations in taking part in the digital energy transition. It focuses on developing practical learning materials, building skills and strengthening collaboration between those working in energy, education and local communities. The consortium includes partners such as Flux50, The Open University, Eworx, Th!nk E, Joanneum Research, Steinbeis 2i GmbH, INESC TEC, TU Eindhoven, RdA Climate Solutions, the International Cleantech Network and ICCS/NTUA. Together they combine technical and educational expertise to design training offers and support stakeholder engagement.

Summary of Every1 Research

The Every1 Knowledge Hub Guide draws on key findings from the project's scientific deliverables, which together provide a comprehensive evidence base for the learning materials and pathways. Early work mapped Europe's energy stakeholders and ecosystems, identifying actors, knowledge gaps and capability needs across citizens, cities, energy communities, companies, regulators and grid operators.

Subsequent research examined digital energy systems and emerging technologies, including assessments of regulatory and market frameworks, technical requirements for digital services, and conditions for citizen-centred adoption. Complementary studies explored energy literacy, learning behaviours and the factors shaping public engagement with digital energy, including large-scale surveys identifying knowledge gaps and priority topics for citizens. These collective scientific outputs form the analytical backbone of Every1's pathways, helping ensure that the Knowledge Hub responds directly to real user needs, systemic barriers and the diversity of Europe's energy ecosystems.

Explore all public deliverables and scientific publications on the Every1 website.

Introduction to the Knowledge Hub

The Knowledge Hub groups its content into three sections: **Learning Pathways**, **Learning Materials**, and the **Tool Repository**.

Learning Pathways provide structured routes through key topics, allowing users to build understanding step by step. The **Learning Materials** include short online courses, videos and explainers that can be reused and adapted under open licences. These cover themes such as smart devices, pricing, demand response, privacy and energy communities—topics identified as important across different ecosystems.

The **Tool Repository** offers links to practical tools that support decision-making, from analysing energy use to understanding system impacts. Together, these three components make it easier for users to find relevant information and apply it in their own context.

To support navigation of the Knowledge Hub, this guide provides a concise overview of what each section offers. It outlines how to choose suitable materials, where to find available translations, and how to reuse content. It also points to additional Every1 resources and network activities.

Knowledge Hub
Learning Pathways

The Every1 Learning Pathways provide a structured and coherent route through the core themes of the digital energy transition. Each pathway brings together selected learning materials—such as short online courses, videos, case studies, and explanatory resources—in an ordered sequence that supports progressive learning. Their purpose is to help users develop a clear understanding of key concepts, technologies and stakeholder roles, while enabling them to apply this knowledge in practical contexts.

The pathways cover a range of topics, from foundational knowledge to more specialised areas. Current pathways include The European Energy Market, Digital Energy Transition Fundamentals, and dedicated pathways for Energy Communities, including Foundations of Energy Communities and Engaging and Participating in Energy Communities. These pathways were developed in close alignment with identified knowledge gaps and stakeholder needs across different ecosystems.

Did You Know?

Every1's Tool Repository gives you access to trusted tools that help you understand, manage and optimise your energy choices.

All pathways draw directly on the project's research and consultation activities, ensuring they remain relevant, accessible and suitable for diverse user groups—such as citizens, educators, SMEs, public authorities and community organisations. Materials included in each pathway are openly licensed, allowing users to reuse and adapt them for training, outreach or organisational learning.

Learning Materials

Check out our board game: "Peak and Off-Peak Peacock"

Every1's Learning Materials provide a comprehensive set of resources designed to build knowledge and practical skills for engaging in the digital energy transition. They draw on the project's research into knowledge gaps and stakeholder needs, ensuring that the content is accessible, relevant and suitable for a wide range of users—including citizens, educators, SMEs, public authorities and energy communities. Many of the materials have already been translated into multiple European languages, and are are openly licensed, enabling reuse and adaptation for local contexts, training activities or organisational learning.

The materials include online courses, videos, information booklets, case studies, games, and information and engagement packages.

Example: The Every1 MOOC - *Get Set for Success: Digital Energy Basics* offers a structured introduction to the core concepts of digital energy, combining expert explanations with real-world examples to support confident, independent learning. It is designed for learners of all backgrounds and provides a solid foundation for anyone wishing to understand or engage more actively in the digital energy transition.

Learning Materials
Digital Energy Essentials

The Digital Energy Essentials features free, introductory online courses designed to build a clear understanding of the digital energy transition. Each course lasts approximately 30 minutes and provides fundamental knowledge on core topics such as *What is the digital energy transition?*, *Why digitalise energy?*, *Energy use*, *smart devices*, *dynamic pricing*, *demand response*, *solar energy*, *privacy and security*, and more. The courses offer practical guidance and simple actions individuals can take in their daily lives, making them suitable for learners with no prior technical background.

The courses are for anyone interested in managing household energy use, understanding new technologies, or responding to rising energy costs and climate concerns. Learners can complete each course independently and earn a digital badge upon passing the short quiz.

Explore Digital Energy Essentials on OpenLearn Create and build your understanding of the digital energy transition at your own pace.

All courses are hosted on The Open University (UK)'s OpenLearn Create platform, where they are available in an accessible online format and can also be downloaded for offline use. Accompanying offline versions are being developed to support broader access across different contexts

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Case Studies and Engagement Packages

Every1 case studies provide clear, real-world examples of how organisations and communities approach the digital energy transition. They illustrate practical solutions, local challenges and the social and technical factors that shape energy engagement. These examples help users translate abstract concepts into everyday practice and can be used in workshops, training sessions or local outreach.

Did You Know?

Our learning materials are free to use and adapt for your own use and context!

Check out Every1's Youtube Channel for our series on how to remix and adapt our materials

The Information and Engagement Packages offer ready-made resources for cities, communities and ecosystem stakeholders. They include guides, slides and templates that can be adapted for local awareness-raising and capacity-building activities. These materials are openly licensed and designed to make it easier for organisations to communicate digital energy topics in a clear and actionable way.

Information Booklets
- Cybersecurity in the digital energy transition
- What is an energy community and why should I join
- What is the digital energy transition and why does it matter

Information and Engagement Packages
- Empowering the Energy Consumer
- Energising the Energy Community
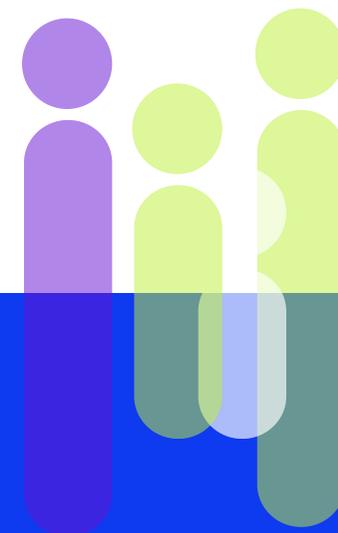- Empowering Businesses

The Every1 Network

The Every1 network brought together a broad community of organisations committed to supporting an inclusive digital energy transition. At its core is the project consortium, working alongside European ecosystems, market enablers and synergy projects to share knowledge, strengthen collaboration and expand the reach of learning materials. Through this network, partners exchange best practices, promote capacity-building and support ongoing engagement across Europe.

Every1 Goes Local - a local outreach initiative emphasised these efforts by encouraging direct community outreach and helping local actors embed digital energy topics in their own contexts, ensuring continued relevance beyond the project's lifetime.

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