



ETSAP WS series
Current practices

15.-16. 09.22

IFE, Norway
Teams

Good morning and welcome

Current practices: Energy trade

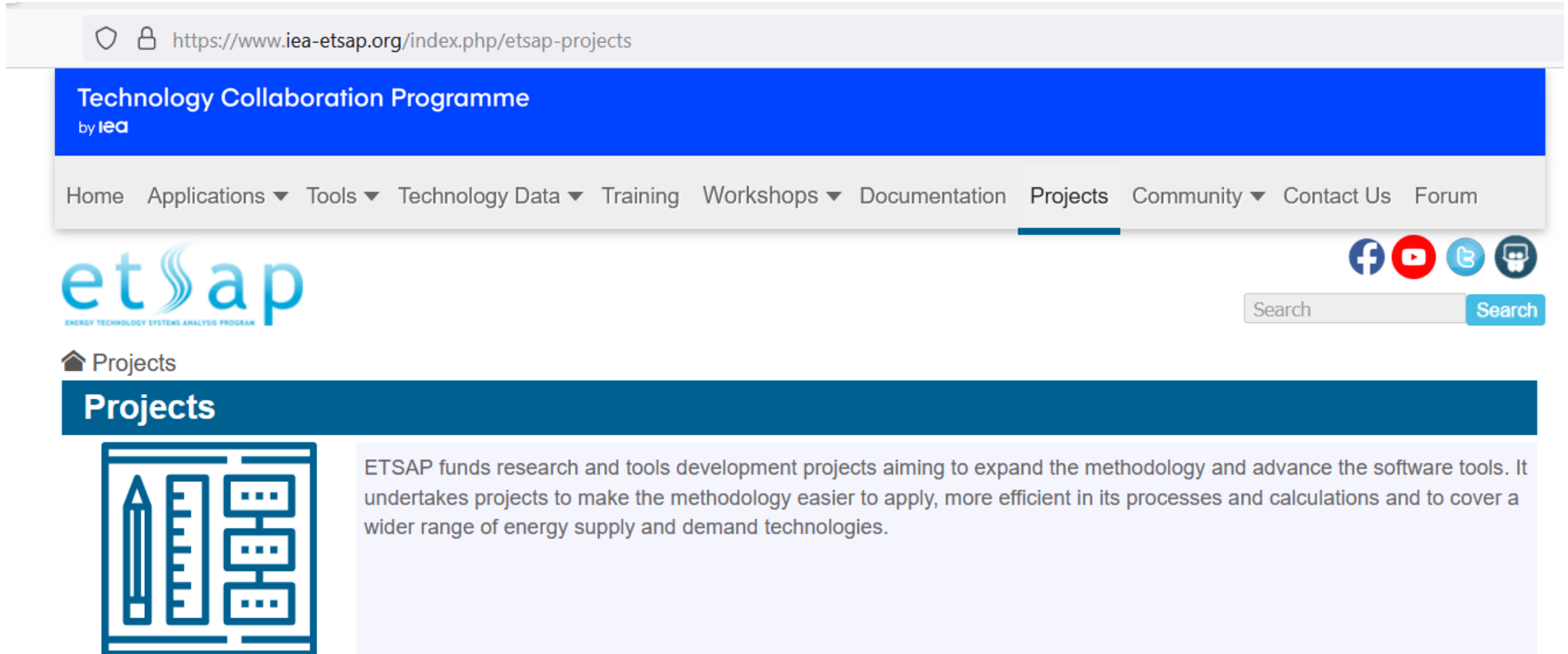
16.09.2022

Pernille Seljom & Kristina Haaskjold

Renewable Energy Systems

Institute for Energy Technology (IFE)

ETSAP project: Workshop Series on Human dimension & Energy trade in energy system models



The screenshot displays the ETSAP website's 'Projects' page. At the top, a blue header reads 'Technology Collaboration Programme by IEA'. Below this is a navigation menu with links for Home, Applications, Tools, Technology Data, Training, Workshops, Documentation, Projects (highlighted), Community, Contact Us, and Forum. The ETSAP logo is on the left, and social media icons for Facebook, YouTube, Twitter, and LinkedIn are on the right. A search bar is also present. The main content area features a blue 'Projects' header, an icon representing research and tools, and a text block describing the program's funding of research and tool development projects.

https://www.iea-etsap.org/index.php/etsap-projects

Technology Collaboration Programme
by IEA


Home Applications ▾ Tools ▾ Technology Data ▾ Training Workshops ▾ Documentation **Projects** Community ▾ Contact Us Forum

etsap
ENERGY TECHNOLOGY SYSTEMS ANALYSIS PROGRAM

Search Search

Projects

Projects



ETSAP funds research and tools development projects aiming to expand the methodology and advance the software tools. It undertakes projects to make the methodology easier to apply, more efficient in its processes and calculations and to cover a wider range of energy supply and demand technologies.

ETSAP project: Workshop Series on Human dimension & Energy trade in energy system models



Special Workshop

Workshop series on Human dimension and Energy trade in TIMES models. For more details see [here](#).

- 📅 15th and 16th of September 2022 at IFE, Norway
- 📅 29th and 30th of November 2022 at Columbia University, New York City
- 📅 21st and 22nd of March 2023 at LTU, Luleå, Sweden

Motivation:

Energy trade in energy system models

- Weather-dependent renewables requires flexibility
- Hydrogen and synthetic fuels
- Global bio resource products
- Energy security



«Mandag offentliggjorde Norges vassdrags- og energidirektorat (NVE) en rapport som de har sendt til Olje- og energidepartementet (OED), hvor de konkluderer med at EØS-avtalen tillater Norge å begrense strømeksporten av hensyn til forsyningsikkerheten.»

Situasjonen nå er ekstraordinær – men kan vare en stund



Gunnar G. Løvås
Konserndirektør i Statnett
1u • 5

Kraftprisen = 90 % (Korona + Krig + Klimapolitikk) + 10 % Kabler.



Innlegg: Ekstreme kraftpriser i Europa ville smittet til Norge og...
dn.no • 3 min, leseid

Det grønne taktskiftet

Vi trenger et enda mer robust kraftnett

Dagens
transmisjonsnett



Fram mot 2030 skal vi investere 60-100 milliarder kroner i transmisjonsnettet

Fremtidig
målnett



Workshop series time schedule

Meeting 1: Current modelling practices, 15.- 16. 2022, September, Oslo

- Aim: Exchange knowledge needs
- Organizer: IFE

Meeting 2: Identifying main challenges, 29.-30. November 2022, NYC

- Aim: Identify knowledge gaps
- Organizer: GCEP
- WS Responsible:
 - Bio energy: VTT
 - **Energy trade: GCEP**
 - Human behaviour: UCC (Switch with LTU ?)

Meeting 3: Improving methodology, 21.-22. March 2023, Luleå

- Aim: Discuss best practices
- Organizer: LTU
- WS Responsible:
 - **Energy trade: VITO**
 - Human behaviour: LTU (Switch with UCC ?)

Workshop series deliverables

- **Q2 2023 Presentation at ETSAP Summer WS**
 - Human behaviour
 - **Energy trade**
- **Q3 2023 Project reports – Published at ETSAP web page**
 - Human behaviour
 - **Energy trade**
- Possible outcome: Joint research paper(s)
- Other outcome: Modelling collaboration among ETSAP partners

Agenda 16. September

Participants 16. September

Questions and comments?