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Hybrid Workshop
20 October 2026

# Spine Tools in Practice: Scenarios, Data and Investment Pathways for Energy Planning

**Agenda**

**20 October 2026 (09.15 – 16.15 CEST)**

**Venue**: KU Leuven, Department of Mechanical Engineering
Celestijnenlaan 300 B-3001 Heverlee (Leuven), Belgium

***Moderator: Tars Verschelde, KU Leuven***

| Time | Session |
|---|---|
| **09:15** | **Registration (Spine Tools installation support available*)** |
| **09:45** | **Spine Tools introduction and use cases**<br>• **Overview of the modelling tools: components, workflows, planning and interoperability** – *Niina Helistö*, VTT<br>• **Network reduction for large-scale models** – *Muhammad Numan*, UCD<br>• **ChaProEV for transport modelling** – *Omar Usmani*, TNO<br>• **Industrial case study** – *Isai Magan*, TNO |
| **10.45** | **Q&A session** |
| **11:00** | **Coffee Break (Spine Tools installation support available*)** |
| **11:30** | **Modelling stories from the industry**<br>• **Spine tools in the industry** – *Jody Dillon*, Energy Reform<br>• **Modelling needs from electricity TSO** – *Sander Willems*, Elia Transmission Belgium<br>• **Multi-energy system modelling at Fluxys: motivation, approach and illustrative results** – *Ghislain Detienne*, Fluxys |
| **12:15** | **Q&A session** |
| **12:30** | **Lunch break** |
| **13:30** | **Hands-on session**<br>• **Hands-on tutorial on the Spine Toolbox workflow** |
| **14:30** | **Coffee Break** |
| **15:00** | **Hands-on session**<br>• **Hands-on tutorial on the use of SpineOpt** |
| **16:00** | **Spine Tools Roadmap**<br>• **Spine Tools Roadmap** – *Giovanni Amigoni*, ICONS |
| **16:15** | **End of Workshop** |

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# Open-source Modelling Tools for Energy Planning

**** Participation in the afternoon hands-on session with your own computer is encouraged. Installation support will be available during registration and the first coffee break. For advance instructions on how to install Spine Tools on your computer, contact us:*** *tars.verschelde@kuleuven.be*

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