



FG8- Uncertainty and modelling: lessons learned and gaps: Main takeaways

- **Planning-under-uncertainty optimisation frameworks** are fundamental for identifying **openings for strategic action**
- Capturing **short-term uncertainty** is crucial for long-term energy planning. In this case **statistical properties and correlations** matter more than predictive power when describing this uncertainty.
- **Flexibility** (such as storage) investment effective in dealing with **large uncertainty**
- **More efficient computational** and **decomposition algorithms** still need to be further developed to deal with a huge increase in the **size of optimisation problems** factoring in uncertainty

