



Contribution ID: 16

Type: **not specified**

## Evaluating the environmental impact of the ISIS-II Neutron and Muon Source

*Tuesday 11 June 2024 15:51 (15 minutes)*

The ISIS-II Neutron and Muon source is the proposed next generation of, and successor to, the ISIS Neutron and Muon Source based at the Rutherford Appleton Laboratory in the United Kingdom. Anticipated to start construction in 2032, the ISIS-II project presents a unique opportunity to incorporate environmental sustainability practices from its inception.

As part of the optioneering and design process of ISIS-II, I am examining the environmental impact of the facility through carbon impact estimation and through a (simplified) Life Cycle Assessment (LCA). I will present these efforts and discuss the methodology, including how we are overcoming some of the difficulties in performing such an analysis.

**Author:** Dr WAKELING, Hannah (John Adams Institute, Oxford University)

**Presenter:** Dr WAKELING, Hannah (John Adams Institute, Oxford University)

**Session Classification:** Parallel Session B