

SUSTAINABILITY IN MEDICAL IMAGING WORKSHOP 6TH OCTOBER 2026; PRELIMINARY PROGRAMME	
9:00-10:00	Registration opens & Welcome teas/coffees
10:00-10:10	Welcome and house keeping Adriana Tavares, University of Edinburgh, UK
10:10-11:00	Sustainability challenges in radiology and climate impact Chair: TBC
30 min.	Invited Talk: Climate impact of medical imaging Michael Jackson, NHS Lothian, Edinburgh, UK
10 min.	Proffered Talk: Reduced carbon emissions from deployment of mobile 3D X-ray systems to rural communities Steve Wells, Adaptix, UK
10 min.	Proffered Talk: Geometry-Aware Diffusion Posterior Sampling for Sparse-View and Limited-Angle CT Honglei Brinkmann, University of Cambridge, UK
11:00-12:15	Sustainable MRI instrumentation, reconstruction and data management Chair: TBC
30 min.	Invited Talk: Low field MRI and sustainable radiology Derek Jones, Cardiff University, UK
30 min.	Invited Talk: The carbon footprint of imaging data processing and storage: Insights from fMRI research Nick Souter, University of Sussex, UK
15 min.	Proffered Talk: Advancing safe use of deep learning reconstruction in clinical MRI using open-source Quality Assurance Emily Redpath, St George's University Hospitals NHS Foundation Trust, UK
12:15 – 13:30	Lunch break & networking
13:30-14:20	Reporting on SyneRBI hackathon on sustainable computing in medical imaging reconstruction
30 min.	Introductory talk – Medical image reconstruction and sustainable computing – Edoardo Pasca, STFC UKRI
20 min.	Summary from hackathon participants Overview of progress made during the associated hackathon (5 Oct)
14:20 – 15:35	Sustainable PET/CT instrumentation, reconstruction and dosimetry Chair: TBC
30 min.	Invited Talk: Sustainability in PET instrumentation and reconstruction Stefaan Vandenberghe, University of Ghent, Belgium
15 min.	Proffered Talk: Reducing the Carbon Footprint of ¹⁷⁷Lu-DOTATATE Dosimetry Using Single-Time-Point CNN-Based Absorbed Dose Prediction Stathis Varzakis, University College London, UK
15 min.	Proffered Talk: Quantifying the Carbon Footprint of Dynamic Reconstruction in Preclinical PET/CT Imaging Islay Cranston, University of Edinburgh, UK
15 min.	Proffered Talk: Efficient simulation for dynamic PET data through sampling Benjamin Wynne, University of Edinburgh, UK
15:35-16:00	Coffee break and networking
16:00 – 16:30	Closing session: Energy consumption in a multi-modal imaging facility Chair: TBC
30 min.	Invited Talk: Benchmarking Imaging Suite-Level Energy Use: A Path Toward More Sustainable Radiology Imaging Operations Andrew Hernandez, UC Davis, USA
16:30-17:00	Meeting END and prizes