

**Dr Tristan Smith**, Associate Professor in Energy and Transport at UCL and PI of the Decarbonising UK Freight Network Plus project has, since 2010, grown a substantial group focused on modeling and analysis of shipping's efficiency and emissions. He was PI of the RCUK funded Shipping in Changing Climates project, led the 3<sup>rd</sup> IMO GHG Study, is an author in the 4<sup>th</sup> IMO GHG Study, is lead author of ISO 19030, co-chair of World Bank's CPLC Maritime Thread, and has been involved in numerous projects across the academic, industry and policy domains. The group maintains a number of models including GloTraM, which is used by several multinationals to explore shipping's future scenarios and technology evolution. Along with Dr Simon Davies, he is co-founder of University Maritime Advisory Services (UMAS).