

# Creative art practice in response to climate change: how art transforms and frames new approaches to speculative ecological and sustainable futures

Wenwen Liu<sup>1\*</sup>, Dr Robert Burton Phd<sup>2</sup>, Prof. Simon McKeown Phd<sup>3</sup>

Teesside University-UK

## Abstract

Climate change is seriously threatening human security and development, leading to global warming and economic, political, and social chaos. Many artists have created visual responses that challenge perceptions on climate change actively guiding people to think about the climate issues and potential crises after urban industrialization and explore positive solutions. This project is an interdisciplinary and intertextual study where art practice is informed by culture, philosophy, psychology, ecology, and science. By correlating theory and artistic practice, it studies how art practice creates a new way of understanding climate issues, and uses art as a way of exploring speculative futures. In the context of practical-based research, arts-based practice as research and creative practice as interdisciplinary research are applied alternately to seek the original solution and new knowledge. Through creative art practice, this project has established new visual ways of looking at climate change and has developed it into a new model to generate more possibilities, an alternative social imagination. It not only encourages people to think and find a sustainable speculative future conducive to all species but also proves that people have the ability to realize positive futures.

**Keywords:** Climate change, creative practice as interdisciplinary research, arts-based practice as research, creative art practice, speculative future