

## Intersection of landscape, anthropocene and fourth paradigm

### Abstract :

This review explores landscape science in the proposed age of the Anthropocene and Fourth Paradigm. Both the Anthropocene and the Fourth Paradigm put landscape science to task, due to the severity of landscape challenges. The article aims to link the concepts of the Anthropocene, the Fourth Paradigm and landscape sustainability in the 21st century. Different sources of publications and information were used to analyse, synthesise and explain the state of landscape research. We searched Thomson Reuters Web of Knowledge, Scopus, and Google Scholar for contents on this article's key themes - globalisation, urbanisation, the Anthropocene and the Fourth Paradigm. We argue that globalisation and urbanisation are the key driving forces behind landscape change. These driving forces represent the scales of human impact on landscapes. Landscape science plays a major role in the age of data revolution and unprecedented landscape change. The review suggests that landscape scientists and landscape societies should chart a new course for landscape research to exploit the benefits of data to advance landscape sustainability.