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TITLE: Historical revision of the spatial data and methods used for land-use mapping in a dynamic urban area of NSW: The Sydney Basin case (*Feeding Sydney* project).

ABSTRACT

The Urban Research Centre (UWS) is developing *Feeding Sydney*, a research prospectus focusing on the spaces and processes of Sydney's food systems. The interaction between urban development and agricultural land on Sydney's fringe is a core concern. The project requires the availability of a high quality, consistent and standardised source of land-use data to determine potential future challenges for policy, planning and governance in pursuing more sustainable land uses.

There currently exists gaps in land-use data for Sydneys greater metropolitan area. There is a lack of spatial, methodological and time consistency in land-use data that could otherwise be effectively used in the sustainable planning of the metropolis.

In this paper we introduce the first findings of the research on data availability and methodologies used to generate existing land-use maps of the region. We also propose the usage of automated methods to gain efficiency and consistency with international land-use maps.