

TOP TEN

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Transportation Capacity Planning for Mega-events

This project argues that transport capacity planning has similarities across host cities of the mega-events, because there is always a need to handle mega-event's peak passenger demands. On the contrary, previous research believes that infrastructural solutions are place-specific. However, some transport capacity planning approaches are not city-specific, and there actually exist similarities in transport among the underlyingly different mega-events, such as Summer Olympic Games and World Expo. Therefore, this project develops recommendations based on comparative enquiry to leverage existing knowledge for peak demand transport.

Based on the previous practices on transportation planning and management, which has famously been labelled by Horne (2007) as "known unknowns" of Olympic host cities and modern innovative transport solutions, the research sets recommendations on transport capacity planning. The cross comparative research would provide a basis for new ideas, awareness of potential risks and indicators for successful applications. The research considers different transportation modes and cross-modal use, further enhancing the understanding of transportation challenges and solutions for mega-events.

