

Title of Research Subject	Study on the development of a safe and comfortable road environment under mixed electric mobility
Background and objectives	<p>Various electric mobility systems have been developed, such as electric kickboards and ultra-compact mobility systems for sitting and riding. They are expected to become popular as next-generation mobility systems to realize a safe and comfortable transportation society.</p> <p>However, there are many issues to be considered in Japan, such as the acceptability of new mobility, safety issues on sidewalks and roadways that may arise due to coexistence with existing mobility, legal arrangements, and traffic space.</p> <p>In this study, we will conduct a survey of foreign countries where electric mobility is spreading and clarify the barriers that need to be cleared when the above mobility is introduced in Japan. We will also analyze user psychology, behavior, and conflicts with other users on sidewalks and roadways where various types of electric mobility are mixed, and examine how sidewalks and roadways should be improved in Japan so that multiple entities can use them in Japan so that multiple entities can use them with peace of mind.</p>
Expected results	<p>This study includes: 1. A survey of case studies in Europe that have advanced initiatives, and discussion with researchers and practitioners in and outside of Japan. This will help to clarify the problems and solutions for the legal system and infrastructure for the introduction of electric mobility. In addition, 2. On-site experiments are conducted to assess the impact of electric mobility on mixed traffic on sidewalks and roadways. Furthermore, 3. An international comparison questionnaire and a questionnaire for local governments in Japan are conducted. From 2 and 3, the status of social acceptance of electric mobility is understood, and the direction of future safe road space development and the requirements for social implementation of electric mobility systems can be discussed. Based on the results of these discussions, 4. Organizing workshops in Japan and overseas provides concrete directions for the ideal form of electric mobility that can be used safely and comfortably by everyone, as well as for its social implementation.</p>