INTRODUCTION
ITS aimed at vulnerable road users are mainly addressing the comfort aspect (i.e. routing information), while aspects as mobility supply / demand and usability in public space got scant attention. This poster presents the results of consecutive Austrian research projects, which addressed different elements of the supply chain: 1) user centred features of public transport stops in both urban and rural transport systems, 2) planning tasks involved in providing demand-driven public transport and 3) establishing a typology of intermodal mobility nodes including a differentiated view of the potential users of a multi-modal transport system. The presented research projects followed a user centered design approach and involved end-users with varying needs, living areas and access demands.

METHODS
Social Space Analysis
Based on behavioural observation and on-site inspections user needs of the public transport users were conflated to a general requirements catalogue

Survey
Surveys showed that intermodal trips and trip planning are strongly dependent on the information provided at transport stops about available offerings in the immediate transport stop periphery.

USER NEEDS
Participatory research processes showed that a differentiation between basic public transport user needs and additional requirements represent an inclusive approach to defining a requirements catalogue.

CONCLUSIONS
• In order to increase accessibility and usability of intermodal mobility hubs universal design guidelines represent the basis for sustainable access.
• Information and routing guides represent another approach on a service level which addresses both local and mobile information to support all potential user groups.
• Main area with need for improvement represents closing the gap between the local periphery and the mobility hubs themselves. By providing topical information on existing local offerings travel chains can be planned more efficient and comfortable on intermodal routes (i.e. by combining different trip purposes).

Here the ongoing research project Mobility Integrator (project nr. 865206) steps in to provide the basis for the intermodal mobility node of the future.

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![Different versions of intermodal nodes (urban & rural)](image_url)

![Behavior at transport stops and relevance of information](image_url)