GIP.at

GIP.at - the basis for a modern administration of Austria's transport routes
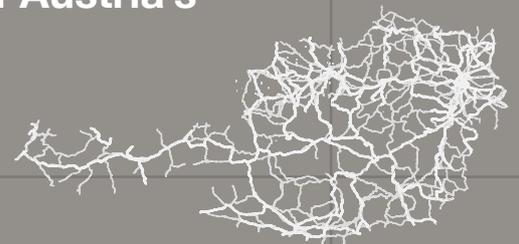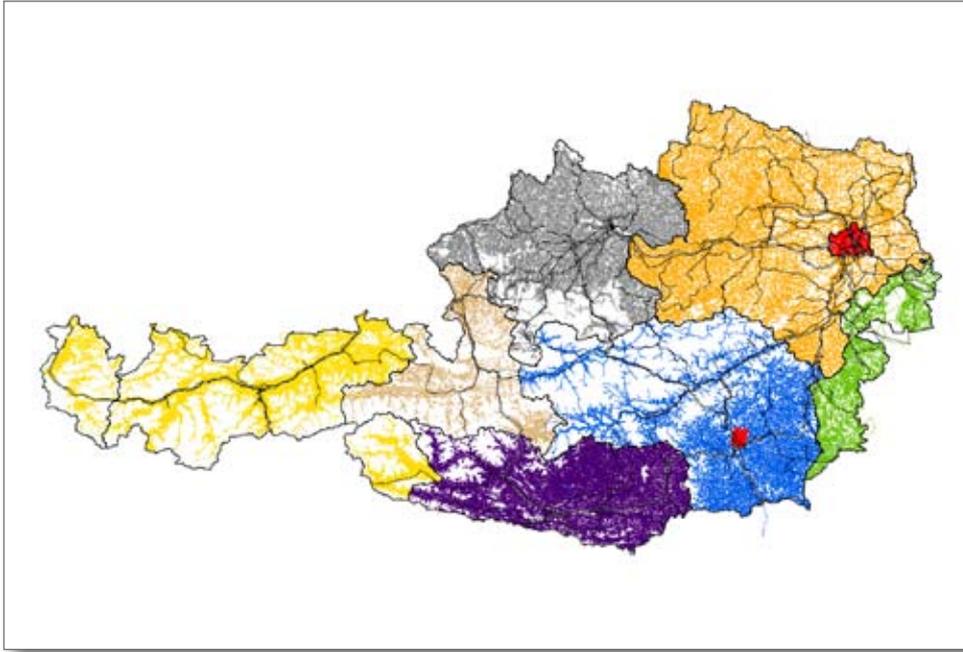
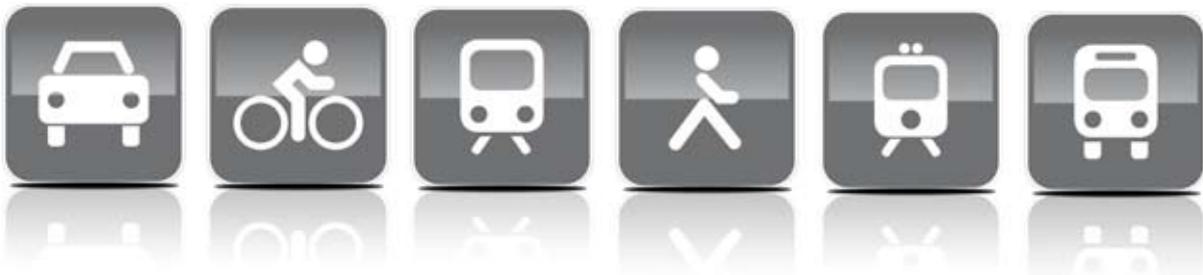## GIP.at – the step from the analogue to the digital world

Traffic control is based on administrative procedures and requires the cooperation of infrastructure maintainers, authorities from the different administrative levels and transport companies. It needs modern technologies to calculate impact, ensure communication between the different administrations, traceability and documentation.

The Graph Integration Platform (GIP), which has now been implemented across Austria as part of the GIP. at project, serves as the basis for this.

Data exchange between the local and regional authorities is governed by a contract on data use that keeps data sovereignties as they are. The GIP is continuously updated via a network client.

Over recent years, Austria's public authorities have consistently digitised all their administrative processes relating to transport infrastructure. In so doing, the various bodies selected their preferred points in time and systems for data storage, giving rise to parallel systems that resist any integration.

The GIP is the link that has been missing between these parallel systems: the common "official" reference graph to which all the different systems of the administrative units can now relate and link up to. The GIP covers all modes of transport (passenger car traffic, public transport, cycling, walking) and, moreover, is capable of proposing intermodal combinations. The platform is continuously updated by eGovernment processes.
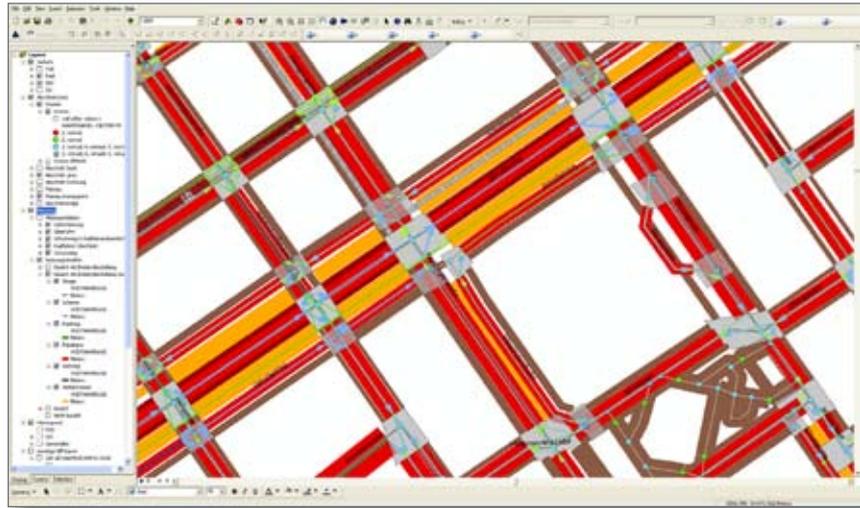
Benefits for administration, road users and emergency services

The GIP offers the public administration and author-ities an overview of the entire transport infrastruc-ture by furnishing all the essential information in a nutshell. Parallel, and thus multiple, data storage systems are therefore no longer required. The system makes it easier to verify whether an official order or action complies with the Austrian Road Traffic Regu-lations or is in violation of any other official orders.

Moreover, the impact of traffic signs on the flow of traffic can be determined. The GIP is also necessary to implement the Intelligent Transport Systems Act (IVS), the INSPIRE Directive and the PSI Directive with the local and regional authorities.

The administration is able to offer the population affected by the various activities more service by warranting quick access to the required information. The GIP provides an overall view of the various situa-tions, allowing a quicker response to any incoming inquiries.

For the mandatory reports required to ensure transport-related environmental monitoring, the GIP likewise serves as a basic tool, providing a coopera-tive traffic information service nationwide.

By pointing up alternatives, a switch to an environ-mentally friendly mode of transport (public transport, bicycle, walking) becomes attractive and greater awareness is ensured.

The police can use the GIP to localise accidents more precisely with less effort. Accident management and the analysis of accident concentration points become much easier thanks to this system.

The GIP furthermore serves as basis for route ap-provals in the event of special transports (SOTRAs) and dangerous goods transports.
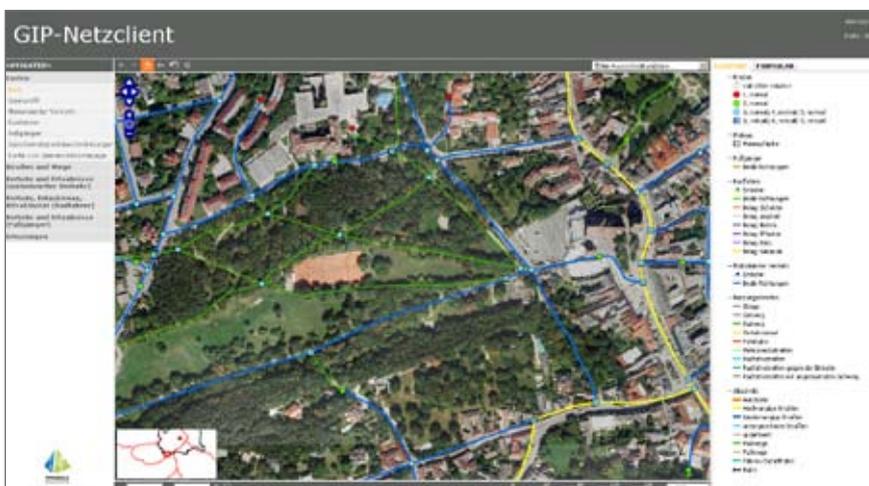
GIP.at at a glance

GIP.at:	With GIP.at, the Graph Integration Platform (GIP) has now been implemented across Austria. The purpose of the GIP.at project allow digital management of the traffic data in compliance with standardised rules. To this end, it is necessary for the various reference systems used to store data (=graphs) to be aware of one another. This new system is the Graph Integration Platform (GIP). It will be made available free of charge to all municipalities, cities and other local and regional authorities.
Partners:	GIP.at is a joint project of the Austrian federal states, ASFINAG, ÖBB Infrastruktur, the Austrian Federal Ministry of Transport, Innovation and Technology and their partner ITS Vienna Region. The Austrian Association of Cities and Towns is an associated partner.
Subsidy:	The GIP.at project has a total financing volume of EUR 1,950,800 and was made possible by the Climate and Energy Fund, receiving a 50% subsidy under the framework programme "Public Transport".
Duration:	9/2009 – 12/2011
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