



EasyWay



ES1 User Perspective

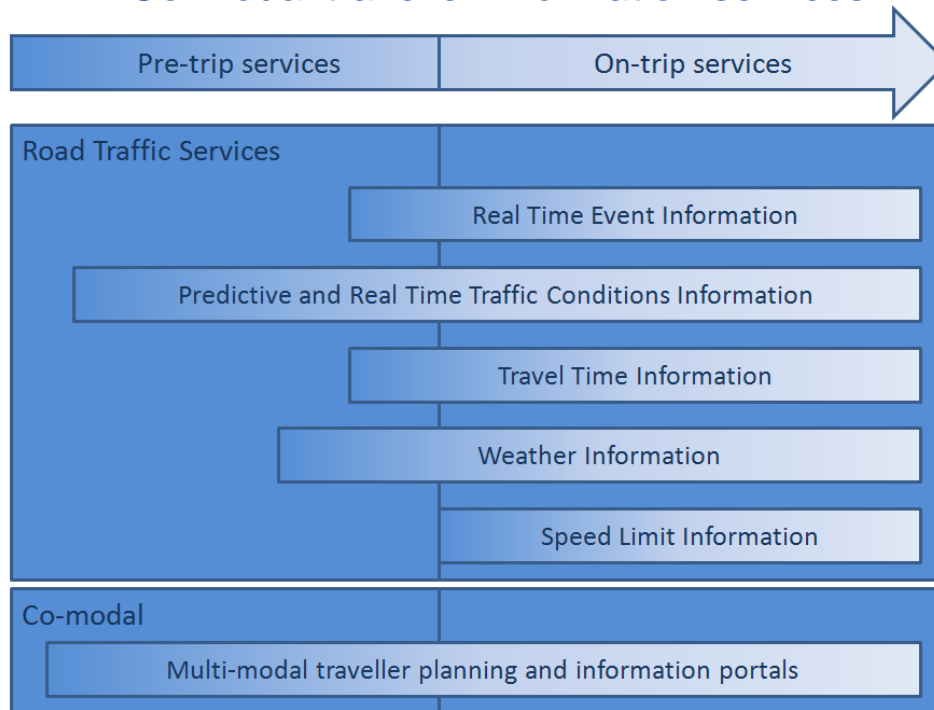
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DATEX II Forum Berlin
March 16/17 2010

- ★ **Overview of ES1 – European Traveller Information Services**
- ★ **Relationship between ES1 work and DATEX**
- ★ **Examples of where DATEX supports TIS**
- ★ **ES1 Traffic Information Services Questionnaire**
- ★ **Data Exchange Questions and Preliminary Results**

Overview

- To provide the European traveller with comprehensive real time traffic information for well-informed travel decisions (both pre- and on-trip)
- Three core service areas:
 - Pre-trip traveller information services
 - On-trip traveller information services
 - Co-modal traveller information services



- Six Traveller Information Services
- Classified by content rather than position in the travellers journey

- DGs to be used by stakeholders to:
 - Guide TIS deployments
 - Outline key issues and
 - Provide best practice examples
- Updated in the future to include aspects such as:
 - Quality assurance and
 - Guidance on standards

- Five key roles in the traveller information value chain



- Stakeholders - both private commercial providers and public road operators
- Many differences in stakeholders across EasyWay Member States

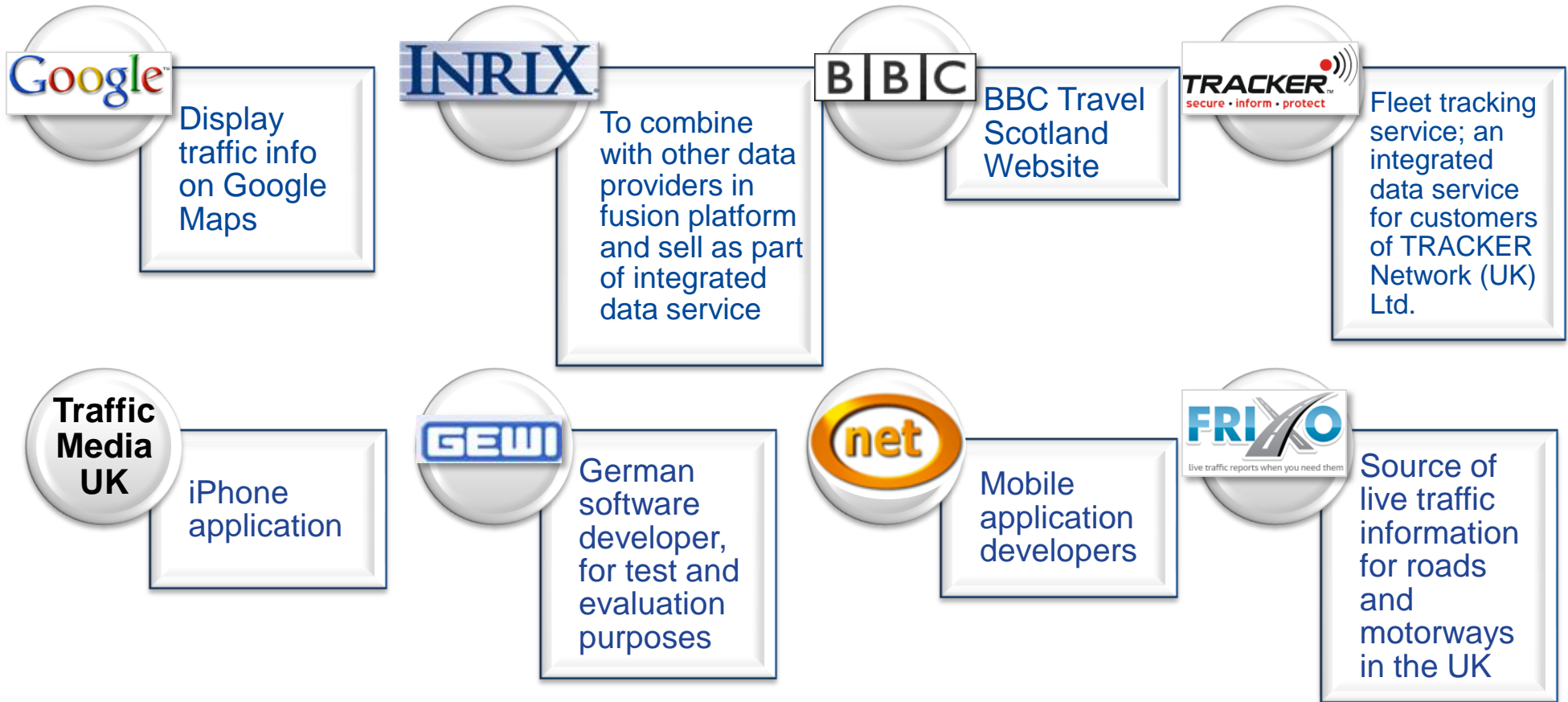
- The DATEX standard is probably the most important existing standard for data transfer of traffic information
- DATEX provides a common set of data exchange specifications
- This is key to delivering the seamless exchange of traffic and travel information across European boundaries
- DATEX II will facilitate enhanced data exchange between actors in the travel information value chain
 - Can be used by all actors in the traffic and travel information sector
- Advantages of DATEX for TIS is that it supports:
 - Pre-trip use
 - On-trip use
 - Language independent
 - Information flow via third parties
- DATEX is clearly linked to all six of the ES1 DG's



- The Traffic Scotland DATEX Service provides DATEX II information to authorised clients; compliant to v1.0 of the standard
- Information is based on data provided by the Traffic Scotland System
- Database receives real-time information entered by Traffic Scotland Operators from a number of sources including
 - Roadside detectors
 - VMS
 - Traffic Scotland Journey Time System
- Published Data
 - Current Incidents
 - Current Roadworks
 - Planned Roadworks
 - Current Traffic Status Data
 - Traffic Status Sites
 - VMS Messages
 - VMS Locations
 - Current Travel Times
 - Travel Time Sites

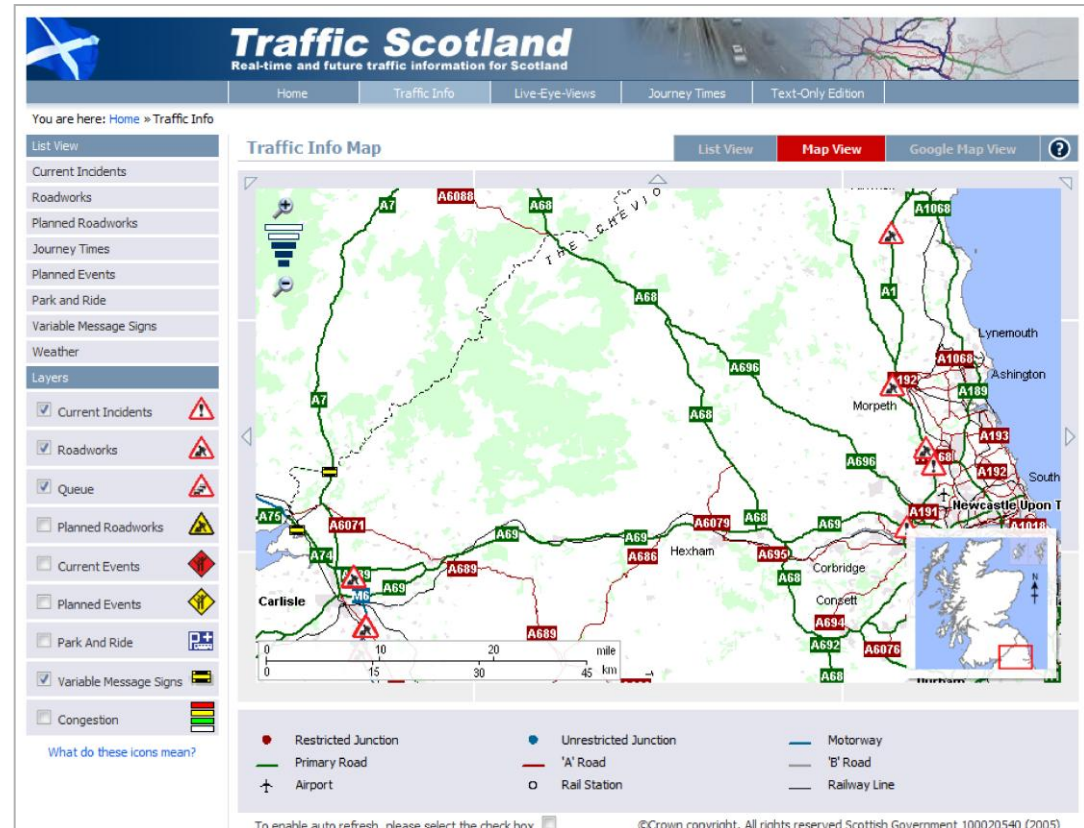
Traffic Scotland DATEX II Subscribers

- Information is made available to approved subscribers (other organisations such as local authorities, information providers and other national roads authorities)



Traffic Scotland Data Exchange with the Highways Agency

- Increases geographic coverage to include the north of England
 - Allowing travellers to view incidents and events that may impact on their journey south without having to visit two websites
- Information currently received from the HA
 - Current Roadworks
 - Planned Roadworks
 - Current Incidents
- Future information
 - Journey Times
- Information is utilised
 - On the Traffic Scotland site
 - Network Management Tool in the TS control room



Data Exchange with the City of Edinburgh

- Information exchange between transport agency and local authorities using DATEX II
 - Improve traveller experience by providing a seamless service
 - Increases granularity of data
- Initially proposing to exchange journey time information
 - Display on both Transport Scotland and City of Edinburgh VMS
 - Feature on Traffic Scotland website
- Future extension to include event, incident, park and ride information.....
- Model could be applied to other partnerships between local authorities and transport agencies

Background

Questionnaire developed to determine:

- National / regional obligations for traveller information provision throughout EW regions
- Current standards
- Current relationships
- Current data availability

Strong link between the Questionnaire and the Deployment Guidelines

- Use results to develop DG in EW II and beyond
- Covered all ES1 DG topics and additional data exchange questions proposed by ES5

Reponses from public / private road operators / TICs

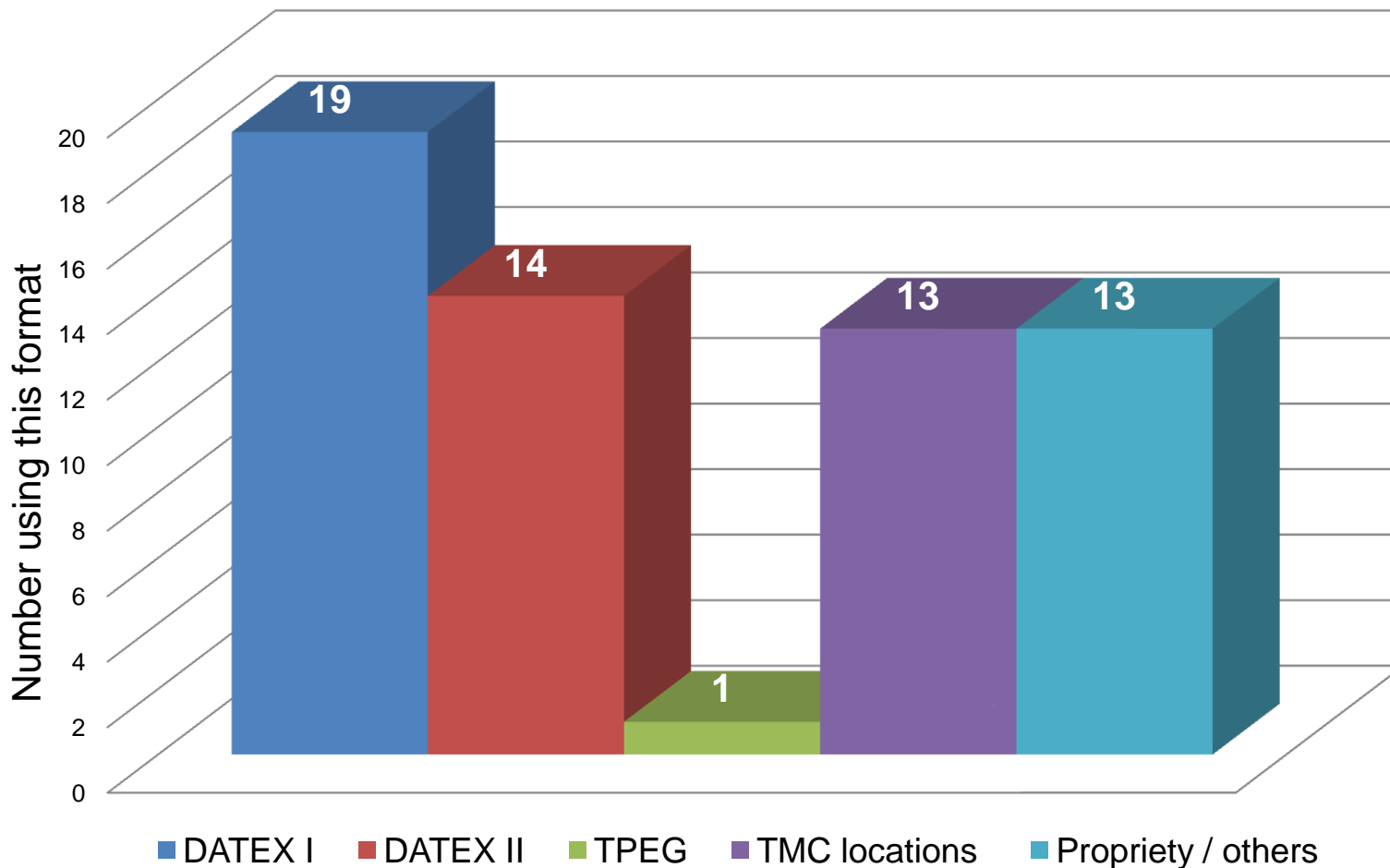
Data Exchange Questions

- Which data formats or mechanisms does your organisation use for exchanging data and information
 - With adjacent regions / countries?
 - With service providers?

- Five options given:
 - DATEX I
 - DATEX II
 - TPEG
 - TMC locations
 - Propriety / others

Preliminary Data Exchange Results

Which data formats or mechanisms does your organisation use for exchanging data and information with adjacent regions / countries?

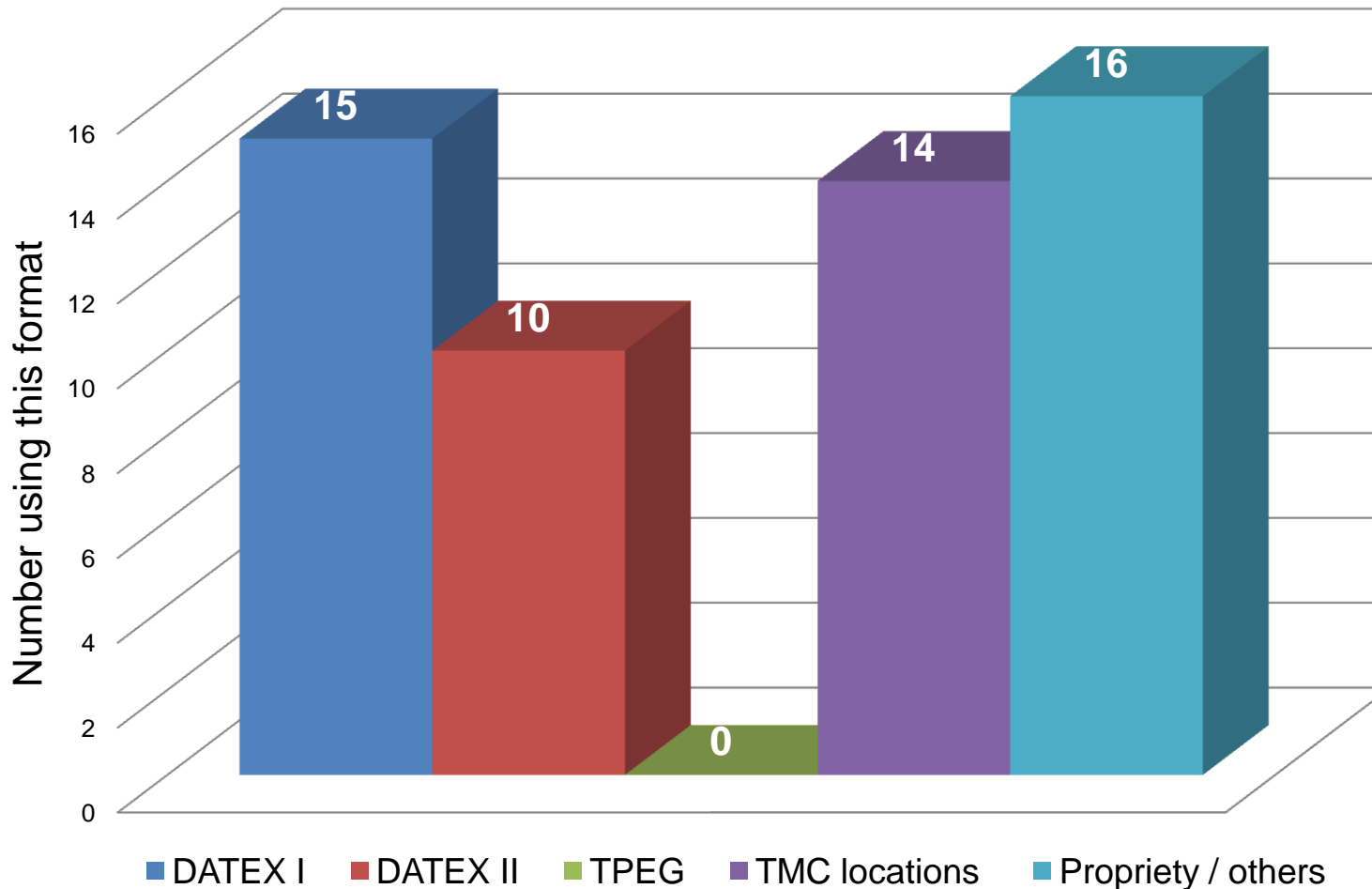


DATEX is most commonly used but there are a significant number of proprietary systems

Can there be a shift from these towards DATEX?

Preliminary Data Exchange Results

Which data formats or mechanisms does your organisation use for exchanging data and information with service providers?



Proprietary systems are most commonly used for exchange with service providers

Again, can we find out the reasons behind this and is a shift towards DATEX possible?

Preliminary Data Exchange Results

- 86% of respondents indicated they had a mechanism for exchanging data
- 81% of these use DATEX (either DATEX I / DATEX II / both) to exchange information with adjacent regions or service providers
 - 78% (with adjacent regions / countries)
 - 59% (with service providers)
- 67% of respondents are exchanging data do so using 2 or more formats

Initial Conclusions

- DATEX is well established and used by the majority of Questionnaire responders
- We need to increase the links between technical aspects of the DGs and DATEX
 - Greater collaboration with ES5
 - Highlights the need for a further piece of work to obtain more in-depth understanding of the relationships between TIS and data exchange mechanisms

ESG1 Next Steps

- Comprehensive analysis to be completed
- Results will be disseminated in EW

Thank you!

Questions?

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