

## 9TH OCTOBER – DATEX II USER FORUM 2024 – PROGRAM

SESSION TIME	ROOM	TITLE	DESCRIPTION	WORKSHOP COORDINATORS
14.00 – 15.30	Plenary	<b>Harmonisation and collaboration are a challenge: Example with the localisation referencing systems</b>	Get updated on the different collaborations of DATEX II and the interoperability of standards. To achieve these objectives, a practical use case based on the localization repository will involve each of you in small groups. We will then share our results and learn more about the work being done within DATEX II to unify the future of standards.	<b>Jean-Philippe Mechin</b>
14.00 – 15.30	Timisoara	<b>DATEX@NAPs: Lessons Learned from Consuming DATEX II from NAPs Across Europe</b>	DATEX@NAPs is like an extensive travel journal documenting our journey across all EU countries and their NAPs. Consumers will find links to NAPs, XML samples and schemas, audited protocols, and other technical resources. Providers will discover a rich set of hints and best practices, while their managers will receive a checklist and requirements to help their staff become even better data providers. DATEX@NAPs is a study conducted by TamTam Research s.r.o. (Czechia) and CERTH (Greece).	<b>Jan Vlčinský</b>
14.00 – 15.30	Galati	<b>Unlocking DATEX II – Shock self-training for beginners</b>	If you know little or nothing about DATEX II, come and learn for yourself under our supervision and you will be ready for life. As Confucius probably said: “Give a man a fish, and you feed him for a day. Teach a man to fish, and you feed him for a lifetime.	<b>Renan Perrot and Nicolas Marcon</b>

# DATEX II USER FORUM 2024

The Digital Key to Future Mobility

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SESSION TIME	ROOM	TITLE	DESCRIPTION	WORKSHOP COORDINATORS
15.30 – 16.30	Plenary	<b>DATEX II: the strategic asset for your future mobility</b>	DATEX II is the reference data standard in the EU for road traffic and travel information. To harvest the benefits of digitalisation in your domain using DATEX II is a good first step, but engaging in the further development is an important follow up. Once you consider DATEX II as a strategic building block to achieve your policy aims with regard to traffic management, public space operations, EV-charging and parking operations, the full power of DATEX II becomes available. Especially the European scale, harmonisation and alignment with adjoining (service specific) domains will be beneficial to you becoming compliant with the EU regulations. This session will show you how and demonstrate that engagement in the EU DATEX II community will support your aims regarding digital services on a substantial scale!	<b>Bard de Vries</b>
15.30 – 16.30	Timisoara	<b>Align with European Regulations – Local Actions for Future Mobility</b>	We will shortly dive into regulatory and policy aspects of European legislation and show you extensively how DATEX II can support compliance with Delegated Regulation and ITS Directive requirements using minimum European profiles, facilitating seamless data exchange and ensuring regulatory adherence.	<b>Martin van Ekelenburg</b>
15.30 – 16.30	Galati	<b>Tie it all together with DATEX II and create a one-stop shop for all your data feeds.</b>	Together with experts from various National Road Operators we will look at several currently operating data hubs. We will discuss the various approaches they took to overcome the nightmare of unifying seemingly incompatible legacy data inputs. In general, the implementation of a data hub on top of legacy systems always requires similar implementation modules. The ‘magic’ lies in the correct partitioning, ordering and prioritizing of the modules and sticking to overriding concepts. We will gain insights by doing some intuitive and improvised re-arranging of modules on the drawing board and discussing the pros and cons with forum attendees.	<b>Gottfried Allmer</b>

## 10TH OCTOBER – DATEX II USER FORUM 2024 – PROGRAM

SESSION TIME	ROOM	TITLE	DESCRIPTION	WORKSHOP COORDINATORS
10.30 – 12.15	Plenary	<b>Creating a trustworthy framework for the traffic rules and regulations of the road.</b>	Create awareness and understanding of the Management of Electronic Traffic Regulations (METR) in an interactive way through group discussions touching topics like interoperability, machine readable dissemination and security.	<b>Paal Aaserud, Kjersti Leiren Boag and Bard de Vries</b>
10.30 – 12.15	Galati	<b>Hands-on model-making and profiling</b>	Please bring your computer if possible. Ian will explain the workflow for extending and profiling the DATEX II UML model, then in pairs or small groups we will perform the workflow on our computers. Starting with the DATEX II UML model, you will learn how to select the things that you need for your DATEX II services, and how to create compliant and interoperable extensions for your specific local needs. You will learn how to use the DATEX II schema wizard to produce profiled schemas that can be used in your services or specifications.	<b>Ian Cornwell</b>
10.30 – 12.15	Timisoara	<b>Building the Future: A Hands-On Journey Through DATEX II</b>	In this workshop, we will engage in hands-on coding to build a simple DATEX II server and client. We will go through the steps from beginning to end, focusing on key aspects from a DATEX II developer's perspective. Participants will work in groups. Please bring your laptop and ensure you have a GitHub account that allows you to create Codespaces (all free accounts have this feature).	<b>Jonas Jäderberg</b>

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SESSION TIME	ROOM	TITLE	DESCRIPTION	WORKSHOP COORDINATORS
14.00 – 15.30	Plenary	Secure your digital key: cybersecurity & trust for executives	Experts will explain why cybersecurity and trust are important	Massimiliano Masi
14.00 – 15.30	Timisoara	TN-ITS Deployment and Quality	Examples of current implementations and a look forward	TN-ITS
14.00 – 15.30	Galati	Exploring new technology options: OpenAPI and JSON	Ian and Jonas will describe the support for JSON and OpenAPI which is now built into the DATEX II tool set, then in pairs or small groups we will generate code on our computers. We will look inside the JSON schemas generated by the DATEX II schema wizard, to see the kinds of constructs produced. We will take the JSON schema content and add further information to produce the definition of an API, using OpenAPI. You will then generate code that can be used in a service. We will cover Java and C#, depending on participants' experience. If possible, please bring your computer with a git-hub account that is not prevented from using codespaces by enterprise policies.	Ian Cornwell and Jonas Jäderberg

## 11TH OCTOBER – DATEX II USER FORUM 2024 – PROGRAM

SESSION TIME	ROOM	TITLE	DESCRIPTION	WORKSHOP COORDINATORS
11.00 – 12.15	Timisoara	<b>The NAP-centric Ecosystem driving the Mobility Services landscape</b>	ITS Services are created for various domains with shared goals and objectives but unique characteristics. To achieve interoperability, technology and security issues must be resolved, and stakeholders need to achieve a common understanding. The NAPCORE community supports a NAP-centric vision based on EU legislation to enable ITS Services interoperability, aiming for global orchestration.	<b>Fabrizio Paoletti</b>
11.00 – 12.15	Galati	<b>Exploring the future of DATEX II</b>	We will present planned and envisaged methodologies and features of DATEX II, and the participants are engaged to bring in their own ideas for the future development. On a practical technical example, we will show some planned possibilities of the DATEX II version 4 methodology like Entities and APIs. Filtering requests will be served by a test server, so that participants can re-enact at home.	<b>Jörg Freudenstein, Ian Cornwell, Paal Aaserud and Jonas Jäderberg</b>