NAPCORE
National Access Point Coordination Organisation for Europe

April 2024

Damaris Anna Gruber
NAPCORE Deputy General Secretary

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NAPCORE Scope – the ITS Directive (rev.) and Delegated Regulations

(a) DR No. 2017/1926 (rev.)
Providing EU-wide multimodal travel information services

(b) DR No. 2015/962 → 2022/670
Providing EU-wide real-time traffic information services

(c) DR No. 886/2013
Data and procedures for the provision, where possible, of road safety-related minimum universal traffic information free of charge to users

(e) DR No. 885/2013
Provision of information services for safe and secure parking places for trucks and commercial vehicles

data categories
data standards
quality requirements
validity criteria
affected actors

Establishing a
National Access Point

Point of departure

- Each NAP provides (information on) data and data services differently
- Different NAP architectures
- Different data descriptions, (re-)use options and data quality
- No interoperability of NAPs & mobility data

© Hendriks, L., et al. (2021). EU EIP - Annual NAP Report 2020

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NAPCORE – National Access Point Coordination Organisation for Europe

Objectives

- facilitate **EU-wide coordination of NAPs and NBs** for the harmonisation of the implementation of the European specifications on the ITS Directive
- **increase interoperability** by (further) establishing standards and recommendations for data exchange formats, content, access and data availability in the mobility domain in Europe
- empower the NAPs as the **backbone for ITS digital infrastructure** and mobility data exchange in Europe
- address existing and upcoming developments and challenges with **a joint European strategy, vision, and voice**.

Facts & Figures

- All Member States incl. Norway and Switzerland and 3 private organisations
- EC funded via Connecting Europe Facility (CEF), 2021 - 2024
- Budget: 14 Mio €
- https://napcore.eu

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open for active observers to join NAPCORE anytime

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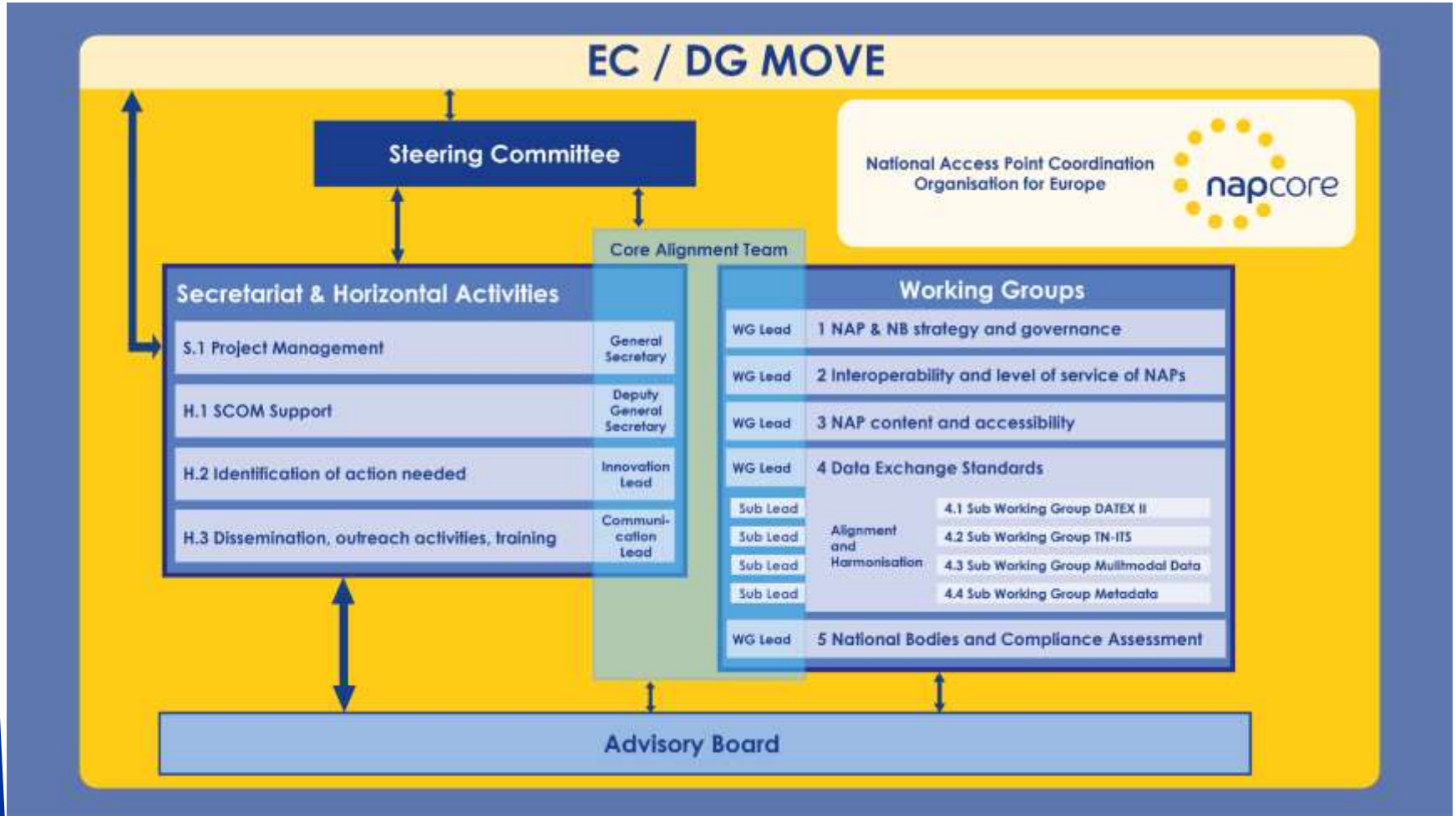
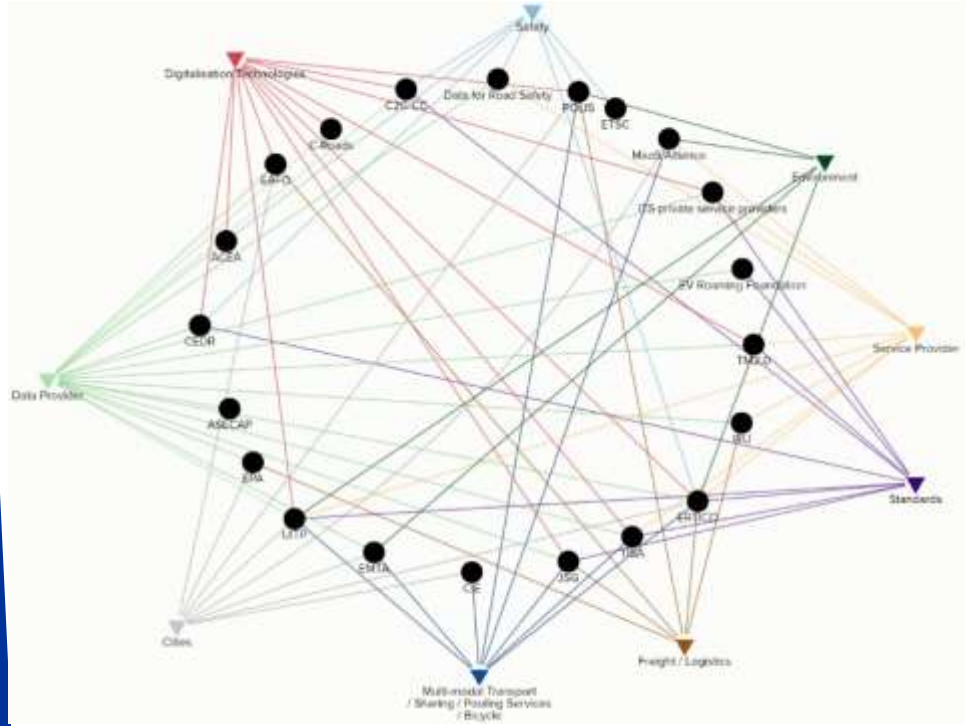
NAPCORE Governance Structure



Stakeholder Perspective in NAPCORE

NAPCORE Advisory Board



NAPCORE Ambassadors

- Parking Data
- Cycling Data
- Alternative Fuels Infrastructure Data
- MaaS Data

Implementation of the new RTTI

- Bringing together public authorities & private stakeholders
- Workshop series with private ITS services providers
- Develop mutual understanding
- Use Case approach

NAPCORE **Cooperation Agreements** on operational work

- CIE, C-Roads, EPA, DFRS, POLIS, SRTI-messages

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Harmonisation activities and current achievements

- Generating common understanding of delegated regulations, data categories, definitions and requirements
  → **data dictionary to be published soon**
- Standardized data descriptions via metadata catalogue
  → **mobilityDCAT-AP published**
- Definition of **data quality** & service quality criteria
- Common use of standards, data exchange formats and data profiles
  → **DATEX II & TN-ITS fusion**
- Common description of NAP functionalities (e.g. interface definitions, core functionalities, …)
  → **NAP Reference Architecture**

PUBLIC WEBINAR on mobility DCAT-AP

- May 8th, 2024, 10:00 – 11:30 CET
- accelerate the implementation of mobilityDCAT-AP
- Insights into the background, the technical tooling, and implementation examples for mobilityDCAT-AP
- Details and registration will be published soon on the NAPCORE website

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NAPCORE Material Hub
https://napcore.eu/

- Activity WG2 Interoperability and level of service of NAPs | NAPCORE
- Activity WG3 NAP content and accessibility | NAPCORE
- Activity WG5 National Bodies and compliance assessment | NAPCORE

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NAP Level of Service and KPI Framework

- The public report on the classifaction of NAPs can be downloaded here:
- https://napcore.eu/documents/Milestones/M2.1_Typology%20of%20NAPs%20based%20on%20the%20description%20of%20levels%20of%20service%20and%20assessment%20of%20associated%20costs%20and%20benefits_final.pdf

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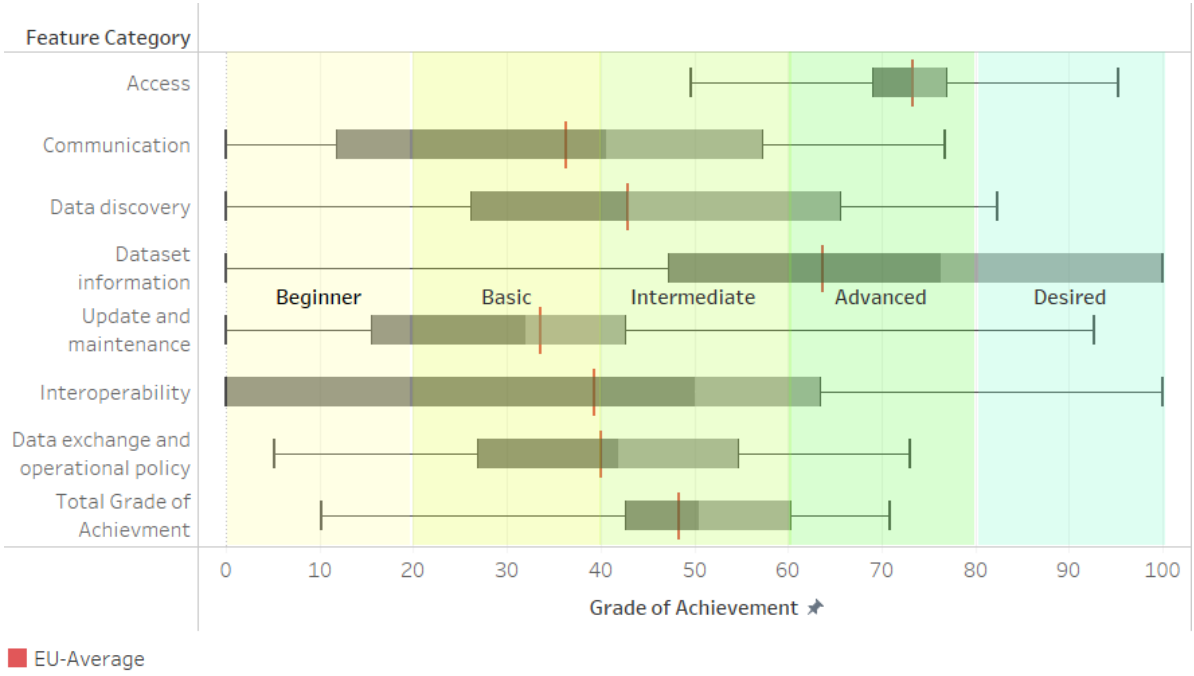
NAPs' current level of service (LoS)

- A Framework has been developed to assess the LoS of NAPs' features
- Room for further development:
  - Acessibility is the most accomplished feature
  - Update and maintenance is the feature with minor achievement
- Currently update regarding newst developments



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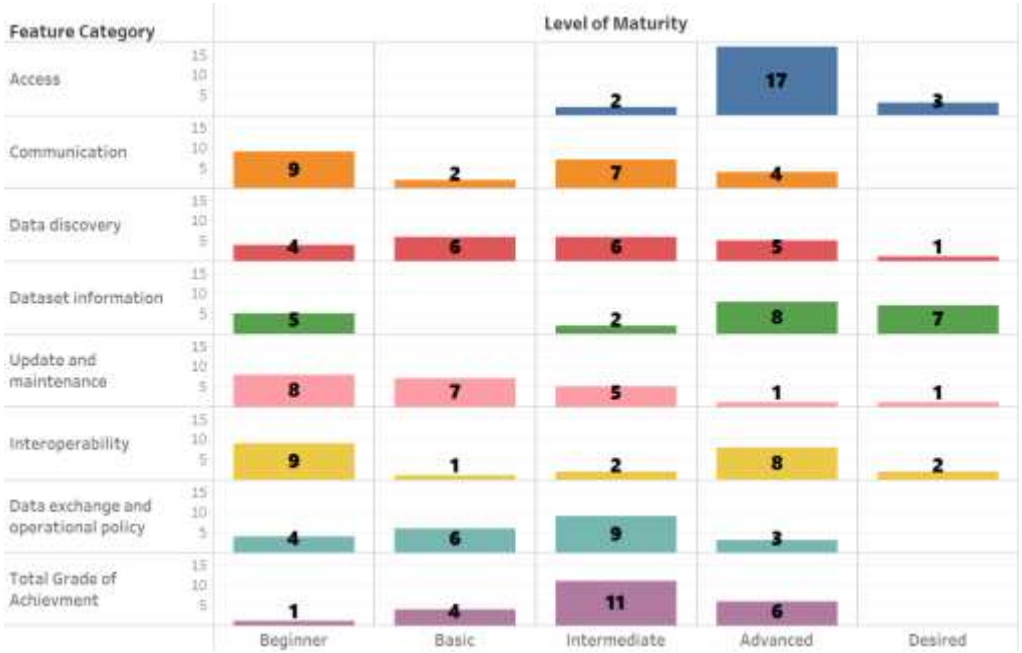
NAP Reference Architecture

- Definition on a NAP Reference Architecture needed for harmonization
- Alignment with the LoS framework to estimate the “gap” between current NAPs’ and the NAP Reference Architecture
- NAP Implementation needed for interoperability
- **Deliverable M2.9** will be pubished soon on https://napcore.eu/



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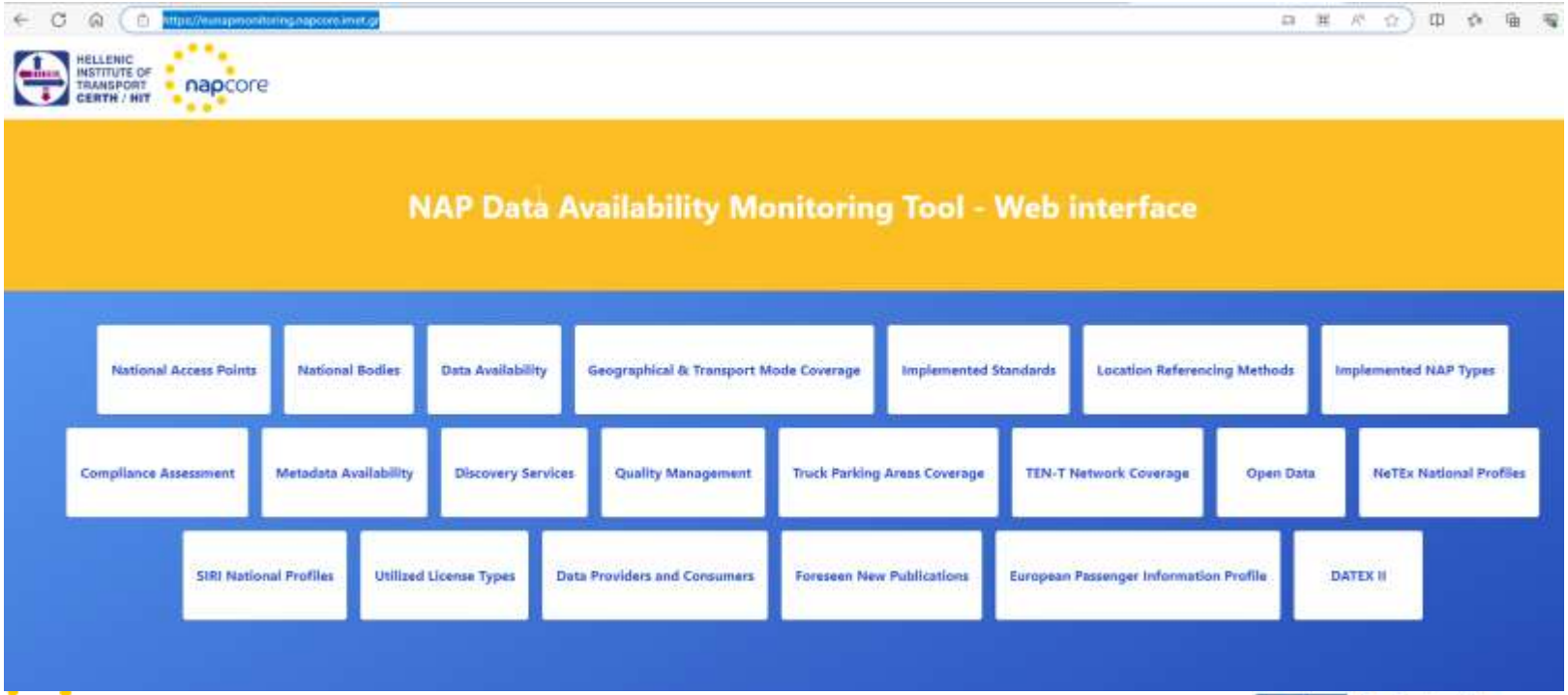
NAP Monitoring Tool
NAP monitoring web interface (imet.gr)



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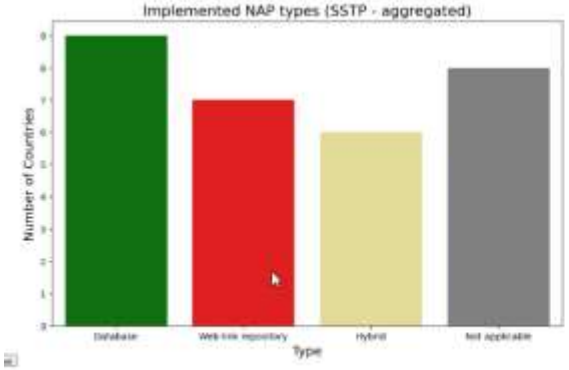
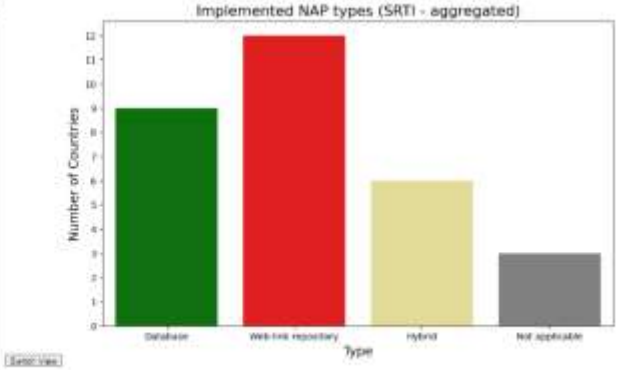
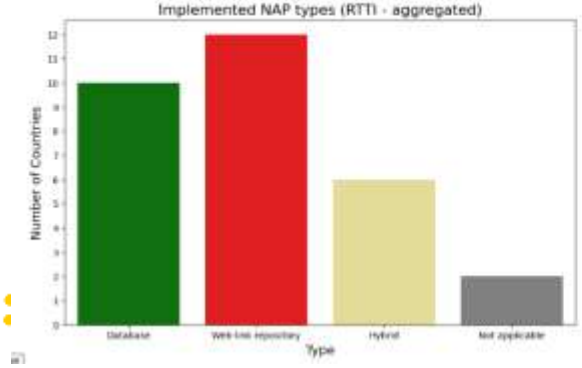
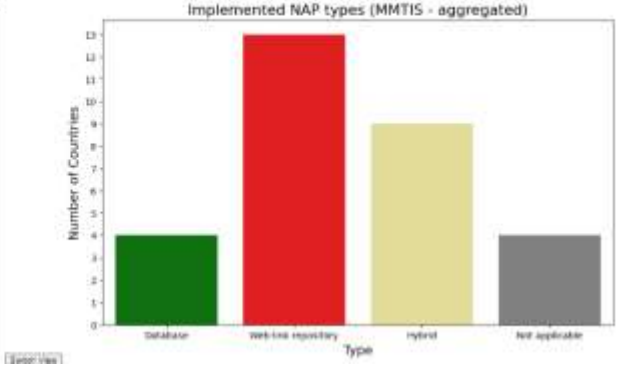
NAP implementation overview









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Harmonisation in regard to compliance assessment / National Bodies

- Developed (harmonized) maturity levels for National Bodies/Competent Authorities and rating
- Developed process for compliance assessment & random inspection
- Refined, overworked, newly developed self-declaration forms for ALL Delegated Regulations
- Developed templates/forms for compliance assessment
- Developed template for accompanying documents to collection information on registered data/services
- Defined quality & evaluation criteria for compliance assessment
- Defined National Body Reference Architecture: M5.9-Development-of-National-Body-Reference-Architecture.pdf (napcore.eu)

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National Body Maturity Assessment

Maturity Level Table

Responsibilities
Preparation:
1. A NB/CA is officially assigned/established.
2. A NB/CA is active or an instance is nominated as the NB/CA organization.
3. An organisational structure is created at the NB/CA.
4. A repository for storing documents in a GDPR conform way is available at the NB/CA.
5. Public information about the NB/CA and NBs/CAs functionalities is provided.
Materials:
6. (Harmonised) self-declaration (SD) forms are used.
7. (Harmonised) forms for compliance assessment are used.
8. (Harmonised) report structure to MS or NA is used.
9. List of respondents exists.
Process description:
10. Process has been established for request/sending out self-declaration (SD) forms.
11. Process has been established for receiving SD forms.
12. Process has been established for (harmonised) review/validation of SD forms.
13. (Harmonised) random inspection and compliance assessment process has been established (including selection, validation, information and improvement process).
14. Reporting process has been established.
Actions:
15. Delegated regulation relevant data publishers (on NAP) have been requested to self-declare.
16. At least one filled SD form was received.
17. At least one filled SD form was reviewed.
18. At least one random inspection and compliance assessment was carried out.
19. Reports to MS or NA were submitted.

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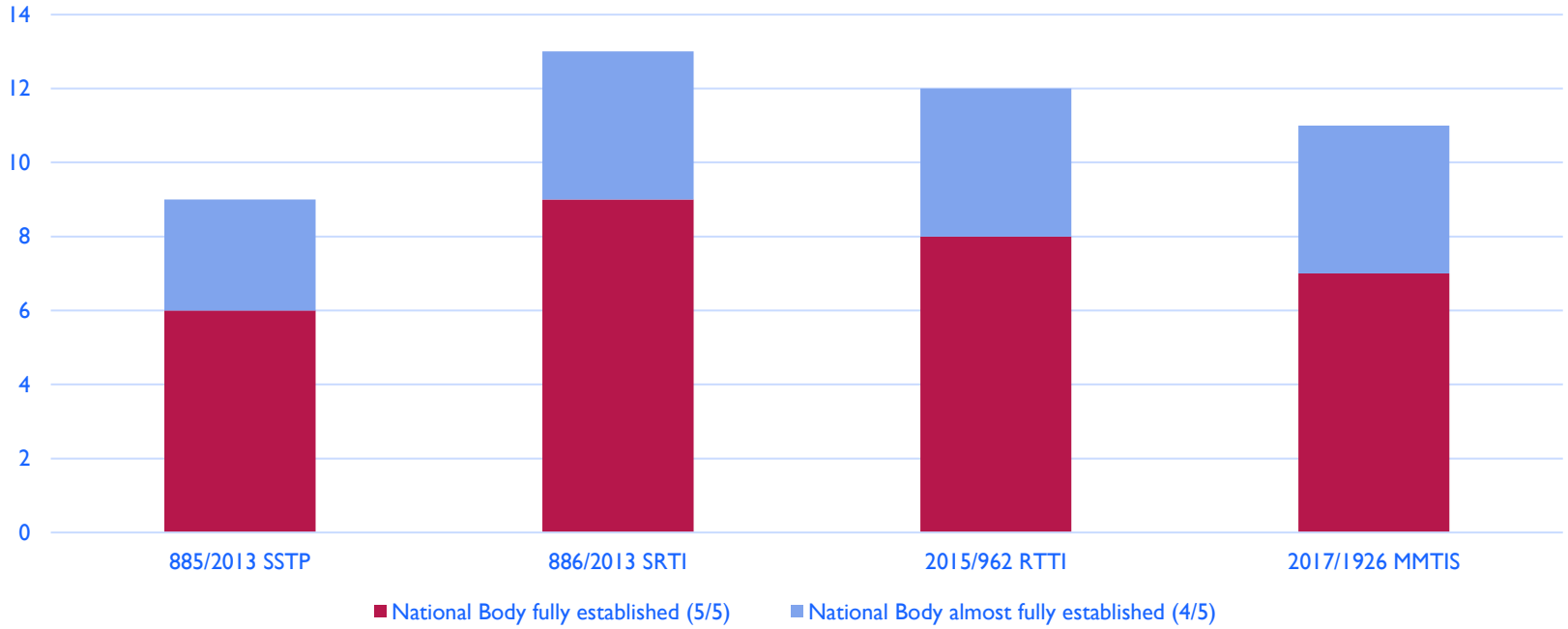
Status of implementation in Europe (28 countries)



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Key tasks of the National Body/Competent Authority during a Compliance Assessment

- Formally review the submitted self-declarations and verify their completeness
- Make a selection of self-declarations and carry out random inspections
- Contact the concerned organisation
- Accompanying documents have to be submitted (within two weeks)
- Carry out theoretical assessment (according to compliance assessment form)
  - Check self-declaration and accompanying documents for formal criteria
  - Check National Access Point for data description
- Carry out content assessment (according to compliance assessment form)
  - Check the content of the provided information (self-declaration and accompanying documents)
  - Check data access on the National Access Point
  - Check data sets regarding the requirements
- If necessary, conduct a survey of the organisation to address open issues that could not have been clarified during the assessment
- Document the results of the compliance assessment (compliance assessment results form)
- Communicate results to assessed organisations (to be defined in 2024)
- National and European reporting

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Compliance Assessment – relevant documents

SSTP (EU) No 885/2013	**SRTI** (EU) No 886/2013	**RTTI** (EU) 2015/962 / (EU) 2022/670	**MMTIS** (EU) 2017/1926
Self-declaration - *for public or private parking operators and service providers*	**Self-declaration** - *for public road operators, service providers and broadcasters dedicated to traffic information*	**Self-declaration** – *for road authorities and road operators*	**Self-declaration** – *for travel information service providers*
		Self-declaration – *for digital map producers*	**Self-declaration** – *for transport authorities, transport operators, infrastructure managers or transport on demand service providers*
		Self-declaration – *for service providers*	
Accompanying Documents	**Accompanying Documents**	**Accompanying Documents**	**Accompanying Documents**
Compliance Assessment Form	**Compliance Assessment Form**	**Compliance Assessment Form**	**Compliance Assessment Form**
Compliance Assessment Results	**Compliance Assessment Results**	**Compliance Assessment Results**	**Compliance Assessment Results**

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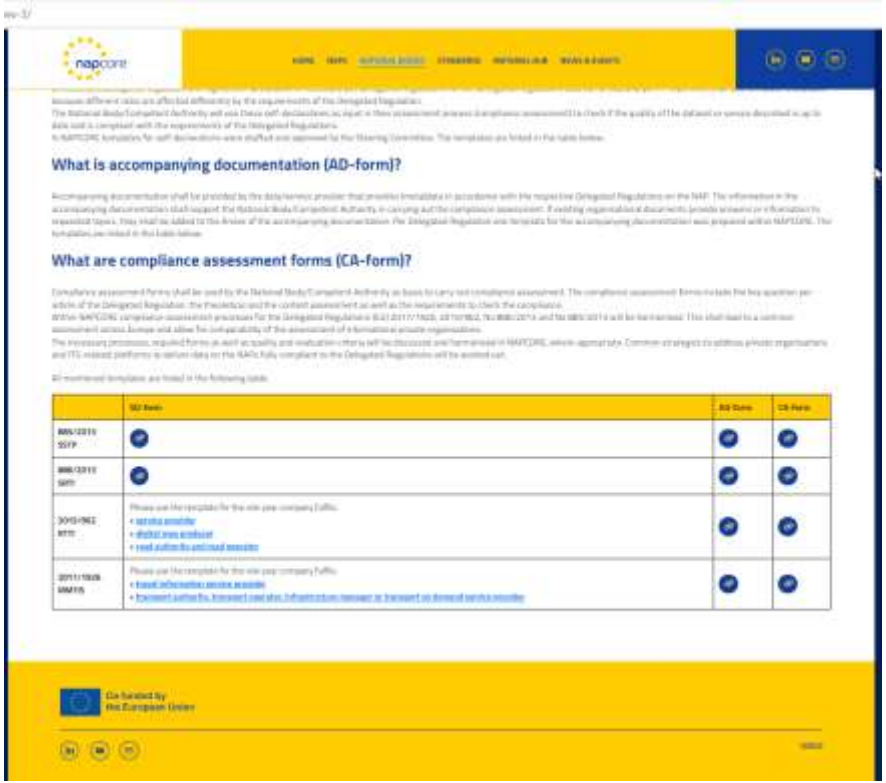
Compliance Assessment Pilot Trial

- Participants: 8 countries
- Duration: Q2/2023
- Coverage: all Delegated Regulations
- Outcome:
  - Process and Forms is well suited
  - Activity remains to be a complex task
  - All countries and participating organisations could complete the trial
  - Feedback was incorporated and lead to a new set of documents

National Bodies Reports, Template and Forms

- Activity WG5 National Bodies and compliance assessment | NAPCORE
- National Bodies | NAPCORE



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Coming up – current NAPCORE phase

- Further work on the Mobility Data Dictionary (focus MMTIS)
- Tool for visualizing NAP data availability in Europe
- Requirements & recommendations for the use of data standards, reference profiles
- Roadmap for data exchange standards harmonization including a list of actions
- Strategies and actions to address relevant organizations to provide data on the NAPs
- Defining the role of NAPs in a European Mobility Data space
- Setting up options for long-term governance of NAPCORE

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Future of NAPCORE

- Original runtime of NAPCORE is approaching soon
- Need to continue is seen and obvious (ITS Directive Article 5)
- Currently planning for timeframe until 2028 with perspective of long-term governance
- Some adaptations are currently discussed
  - Increase possible impact and flexibility
  - Stronger multimodal focus
  - Move from project setup to organization governance

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NAPCORE Mobility Data Days
5. – 7. November 2024, Turin, Italy
Join us!

Contact: damaris.gruber@austriatech.at

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Uniting the dots: Austrian experience in implementing the ITS Directive

Damaris Anna Gruber, AustriaTech

Background / legal framework

- Regulation for the harmonised implementation of ITS in Europe
- Data exchange, transnational services
- **ITS Directive 2010/40/EU:** deployment of Intelligent Transport Systems in the field of road transport and for interfaces with other modes of transport
- The **ITS National Law** provides the framework for ITS implementation in Austria

Delegated Regulations to ITS Directive

Priority measure	Description	Implementation
a	**The provision of EU-wide multimodal travel information services**	**Delegated Regulation (EU) 2017/1926** *-> revision published*
b	**The provision of EU-wide real-time traffic information services**	**Delegated Regulation (EU) 2015/962** **Delegated Regulation (EU) 2022/670**
c	**Data and procedures for the provision, where possible, of road safety related minimum universal traffic information free of charge to users**	**Delegated Regulation (EU) No. 886/2013**
d	The harmonised provision for an interoperable EU-wide eCall	Delegated Regulation (EU) No. 305/2013
e	**The provision of information services for safe and secure parking places for trucks and commercial vehicles**	**Delegated Regulation (EU) No. 885/2013**
f	The provision of reservation services for safe and secure parking places for trucks and commercial vehicles	No implementation planned at present

Delegated Regulations on the TEN-T network

	Safe parking for trucks (885/2013)	Road safety information (886/2013)	Real-time traffic information (2015/962)	Multimodal travel information (2017/1926)
Target groups	Public/private car parking operators, service providers	Public/private road operators, service providers, broadcasters	Road authorities/road operators, digital map creators/service providers	Transport authorities, transport operators, infrastructure operators, providers of demand-oriented transport services, travel information service providers
Data categories	Static car parking data, information on safety and features of the car parking, dynamic data on free parking spaces	List of safety-relevant events and conditions	Static road data, dynamic road status data, traffic data	Static travel data, dynamic travel and traffic data
Requirements	Data availability (NAP), data update, information supply, quality management, Self-declaration	Data availability (NAP), actuality and quality, information dissemination, Self-declaration	Data availability (NAP), data update, Self-declaration	Data availability (NAP), data update, reuse of route planning results, Self-declaration
Example data	Location of the parking entrance, security and service facilities of the parking space ...	Wrong-way drivers, unsecured accident sites, unusual weather conditions ...	Road network connections, traffic signs, closures, traffic volume, traffic jams ...	Timetables, vehicle features, bike-sharing and park&ride locations, estimated travel time ...

National Access Point (NAP)

- **Register of data and services**
- Accessibility, exchange and re-use of data
- Description of the data and services in an Europe-wide standardized metadata set
- www.mobilitaetsdaten.gv.at

National Body/National Authority

- Compliance assessment of the Delegated Regulations on the basis of self-declarations of the companies/authorities/institutions concerned
- Information and consultation
- Evaluate data and service quality
- Random check of correctness of the self-declarations
- Annual reports on received self-declarations and the results of the assessments
- www.ivs-stelle.at

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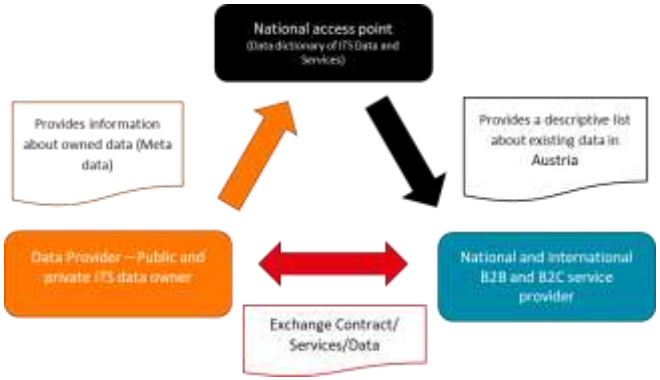
National Access Point

Work principles of NAP

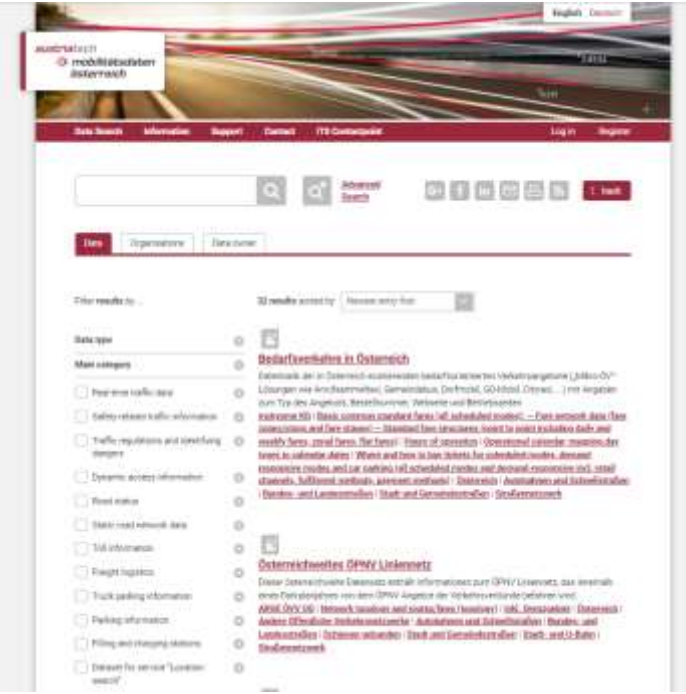
- Strong support function and consulting for data providers
- Simple usage of NAP
  - Easy registration process
  - No complicated details about internal processes needed on the NAP
- Direct contact to data provider
  - Few main data authorities in Austria
  - Provide information about the delegated regulations and the responsibilities directly
- Close Cooperation with the National Body who is responsible for review the self declarations



Austrian NAP Overview

- Implementation of the NAP regarding the delegated regulations
- www.mobilitaetsdaten.gv.at / www.mobilitydata.gv.at
- Data directory with search and filter function
- No data market place or data exchange
- No contractual obligations with data holders or data retrievers

Austrian NAP Functionality



- Dual Language (EN/DE)
- Registration needed only for data owner
- Standardized format for entering new data sets (meta-data-catalogue)
- Searching and filtering according to specific criteria
- Getting in contact with data owner for retrieving data

Available data on Austrian NAP

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13 data provider – 53 data sets – 36 additional registered organizations

DR No. 2017/1926 (a) Multimodal travel information services
Public transport network and timetable, car sharing provider, OJP exchange points, geo information, charging points e-cars, parking information

DR No. 886/2013 (b) Safety relevant free traffic information
planned and unplanned events, toll information, traffic status, dynamic traffic signs, construction sides

DR No. 2015/962 (c) Real-time traffic information services
Road traffic news feed (Road operator), Events, Traffic information channel

DR No. 885/2013 (e) Secure truck park spaces
Truck parking information (road operator)

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EVIS.AT

EVIS.AT offers…

Real-time-traffic data across Austria as basis for traffic information, routing and analysis
e.g. winter service, ...

Tools and systems for developing and distribution data as well as embedding in existing Austrian IT-systems

Operation and Governance as technical, legal and organisation basis

Framework for continous cooperation amongst different stakeholders

„Own data as strong foundation for tasks and services of public stakeholders towards global enterprises“

Information: evis.gv.at

NAP listings: https://mobilitaetsdaten.gv.at/daten?search=EVIS.AT

EVIS AT

Pictures: **ASFINAG**

- Community
- Governance
- Systems: Inputs, Data clearing
- Standards (GIP, DATEX,…)
- Extension Inputs & data access

Full coverage of the network and Austria:
Planned and unplanned events, Traffic Regulations, traffic situation, prognosis, FCD

EVIS.AT Platform and Data as basis for traffic control, management, information and MaaS

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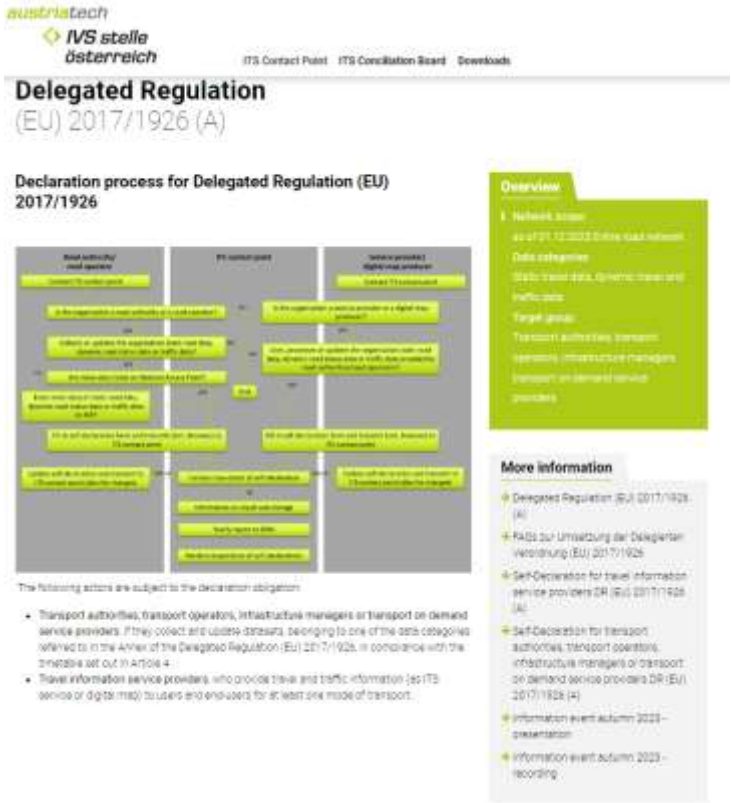
Austrian National Body/National Authority

National Body/National Authority

- Informative letters have been sent out to all affected organisations
- Personal consulting offered to affected organisations
- Website: www.ivs-stelle.at
- Information and process description
- Templates for the Self-declaration forms
- Frequently asked questions
  - How does it work?
  - Who is concerned?
  - What has to be done?
  - Which data categories are affected?



National Body recent developments

Stakeholder Engagement and Support for DR 2017/1926

- Development of stakeholder list and overview
- Organisation of events and webinars
- Recordings of webinars are available for download
- Development of FAQs
- Letters to selected stakeholders
- E-Mail adress for support
- Virtual meetings and phone consultation

Participation in NAPCORE Compliance Assessment Pilot Trial

- All Delegated Reglulations
- „friendly-assessment“
- Forms and templates worked well
- Feedback was incorporated
- Organisations reported added value of being assessed

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Status of implementation: Self-declarations received

Delegated Regulations	Affected organisations	Declarations
Road safety information (No. 886/2013)	Public institutions, infrastructure operators, broadcasting operators, weather services, operators of navigation systems, providers of traffic safety-related system technologies, media companies, motorists' clubs and other private providers of traffic safety-related data and services	5
Real-time traffic information (No. 2015/962)	Road traffic authorities, road operators, weather services, navigation system operators, digital map manufacturers, motorists' clubs and other private providers of real-time traffic information services	4
Safe truck parking spaces (No. 885/2013)	Road operator, public car space operator	1
Multi-modal traveller information (No. 2017/1926	Transport authorities, transport operators, infrastructure operators, providers of demand-oriented transport services, travel information service providers	18

Questions?

Contact

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Pictures: **AustriaTech**