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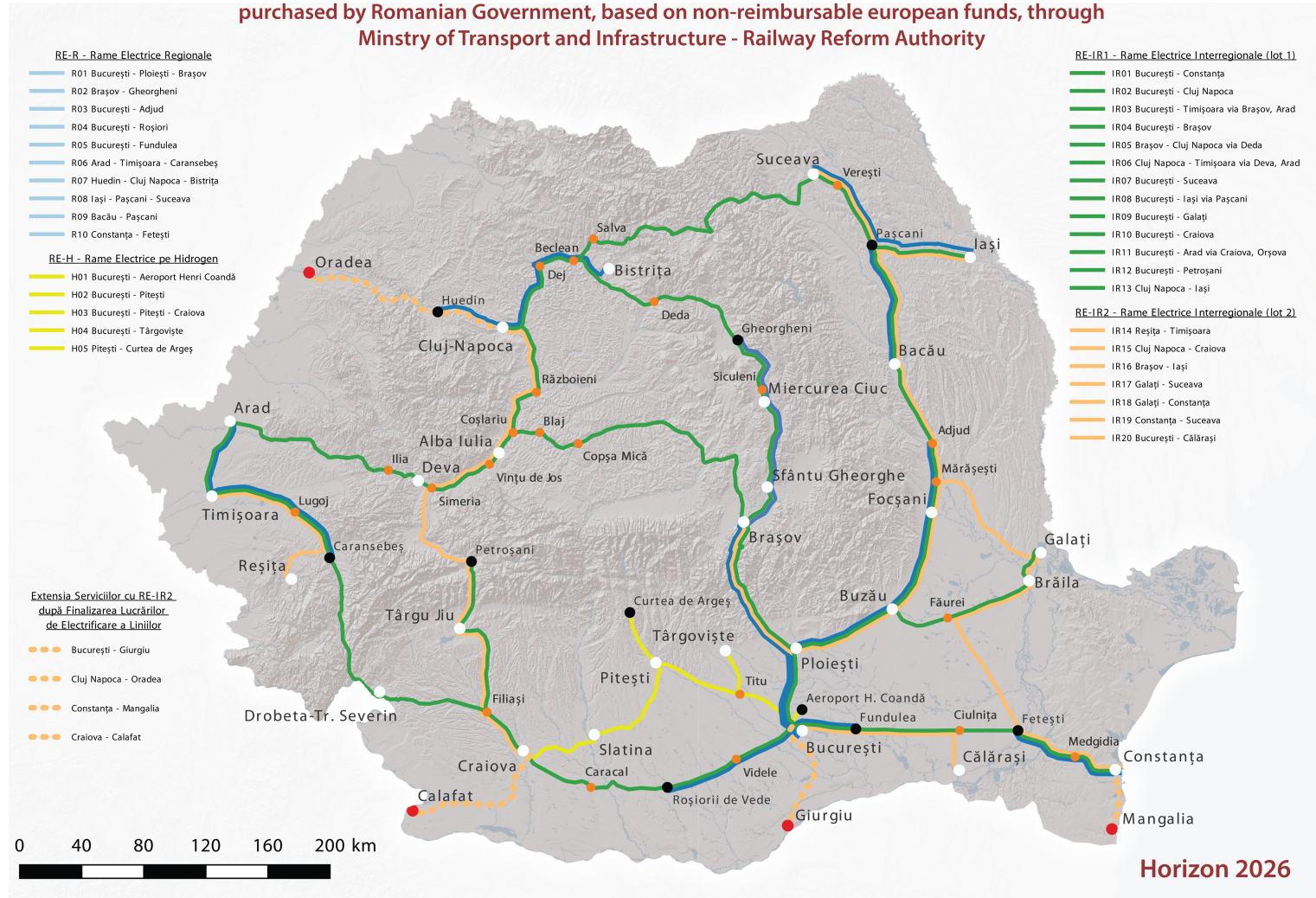
We develop sustainable railway transport!

RRA ticketing projects for Romanian rail passenger services

ITS Congress Romania 2023 - Iași
September 25, 2023

Ștefan Roșeanu - President of Romanian Railway Reform Authority

Railway passenger public transport services provided by newly built non-pollutant multiple units purchased by Romanian Government, based on non-reimbursable european funds, through Ministry of Transport and Infrastructure - Railway Reform Authority





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Railway Reform Authority in a nutshell

- Railway Public Transport Authority, under the coordination of the Ministry of Transport and Infrastructure - established by Government Decision in November 2016
- Main tasks:
 - **governance of railway Public Service Contracts (PSCs)** for rail passenger transport - 6 railway undertakings (1 state-owned and 5 with private capital) under 10-year PCS up to 2032 (yearly public subsidies around EUR 500 Mil.); 3 new PCSs to be tendered starting with May 2023
 - **rolling stock procurement** - to improve quality and efficiency of PCSs; current projects worth about EUR 4 billion (rolling stock procurement and refurbishment plus maintenance) backed by EU and RO Government non-reimbursable funds; new projects proposed under Green Bonds initiatives and Romanian Environment Protection Fund;
 - **railway reform measures** - national rail ticketing, improvement of timetable, urban mobility and development of metropolitan services, adoption of performance indicators, cooperation with local authorities, diversifying the means of financing railway investment projects



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RRA ticketing projects

- *Bucharest-Ilfov integrated metropolitan pass - surface transport, subway and metropolitan train (Henri Coandă Airport - North Railway Station) - implemented / lessons learnt*
- *Integrated system, unique database and provision of information on the ticketing system of railway passenger transport operators - under implementation*
- *Romanian national rail ticketing system - under implementation*



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Bucharest-Ilfov integrated metropolitan pass

- Overground metropolitan public transport, Bucharest Underground and one pilot metropolitan train (Henri Coandă Airport - Bucharest North Railway Station)
- **pilot-project** in Romania, RRA acts as project coordinator
- **project consortium:** Ministry of Transport and Infrastructure, the Bucharest-Ilfov Intercommunity Development Association for Public Transport (TPBI), the Bucharest Transport Society (STB SA), Metrorex SA, CFR Călători SA, Transferoviar Călători SRL and Informatica Feroviară SA
- **preparation phase:** Oct.2021 - Feb.2022
- **official commercial/trial launch:** Feb.17 2022
- **fee options:** 24h or 72h (preferred by tourists), one month/6months/yearly passes (preferred by Bucharest and Ilfov commuters)
- **results:** 6-fold multiplication of sales by operators involved
- **public acknowledgement:** 2nd place in the Digitized public services pillar of the *2022 Competition of the best practices in public administration in Romania*, organized by the National Agency of Civil Servants

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UN CARD OPȚIUNI NELIMITATE





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Integrated system, unique database and provision of information on the ticketing system of railway passenger transport operators - 1/2

- **budget:** EUR 1,2 Mil., backed by EU non-reimbursable funds and RO Government funds
- **duration:** June 2021 - June 2023
- **main service provider:** SC Informatica Feroviară S.A.
- **main results:** two software solutions
 - a. system for collecting, assembling and verifying data public service indicators and automatic calculation of subsidies granted to railway passenger transport operators
 - b. electronic issuing platform of tickets for passenger trains in domestic traffic

Integrated system, unique database and provision of information on the ticketing system of railway passenger transport operators - 2/2

- **Main project benefits:**
 - fully automated calculation of subsidies granted to operators of railway passenger transport
 - analysis of the use of trains, passenger flows, so as to establish the optimal public service obligation
 - equal and non-discriminatory conditions for the distribution of tickets for all transport operators
 - the best route-price offer, regardless of the transport operator
 - ability to buy a travel card for the entire trip, which includes tickets for each train on the route, regardless of the number of rail passenger transport operators involved



Romanian national rail ticketing system (1/2)

- **initial budget:** EUR 30 Mil., backed by EU non-reimbursable funds and RO Government funds
- **main results:** backbone for Romanian-wide interoperable railway and other public transport ticketing systems
 - procurement of servers, ticket issuing terminals, validators, control terminals, existing software expansion and license
 - open specifications to provide interoperability with other systems owned by operators or public transport authorities
 - integration and accessibility through terminals distributed to low density population areas
 - out-source the operations (commercial, technical) to private ticketing operators (5-year contract)
- **project consortium:** ARF (project promoter and manager), CFR SA (rail infrastructure manager), Informatică Feroviară SA (IT integrator of Romanian railways), Telecomunicații CFR SA (telecom integrator of Romanian railways)
- **pilot-project:** Bucharest-Ploiești rail line
- to be later developed at **national level:** - Romania has the 7th largest rail network in Europe, at 10.615 km of railway ne and over 1.000 railway stations and stops

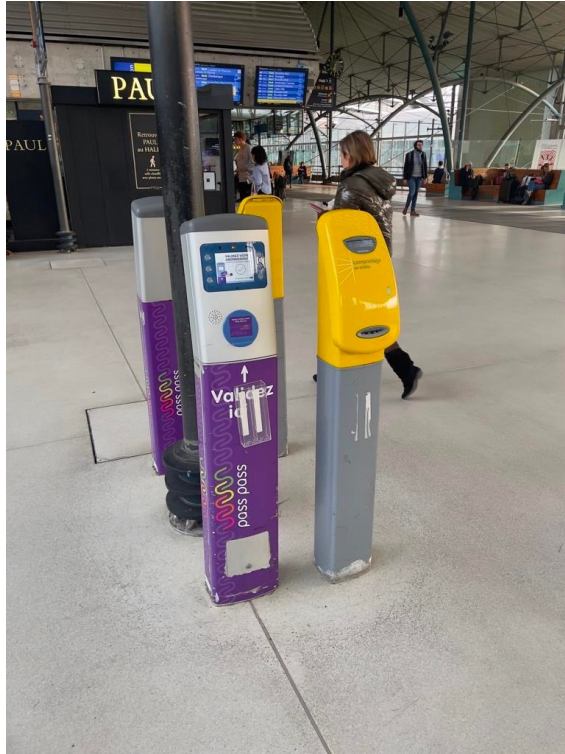
Romanian national rail ticketing system (2/2)

- **project consortium:**
 - ARF (project promoter and manager),
 - CFR SA (rail infrastructure manager),
 - Informatică Feroviară SA (IT integrator of Romanian railways),
 - Telecomunicații CFR SA (telecom integrator of Romanian railways)
- **pilot-project:**
 - Bucharest-Ploiești rail line
- **to be later developed at national level:**
 - Romanian railway network - 10.615 km
 - Romanian railway stations and stops - over 1.000 railway passenger stations and stops
 - Social component - distribution of selling systems to villages that don't have direct access to railway stations with ticket selling offices
 - Open, interoperable, secured communications standard to integrate railway tickets with other modes of passenger transportation systems
 - Open, interoperable, secured communications standard to facilitate development of alternative apps by the private sector
 - Open, interoperable, secured communications standard to integrate Romanian ticket selling system with EU Member States' ones - part of the future Single European Journey Planner



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Thank you!



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