



**MINISTRY OF TRANSPORTS AND
INFRASTRUCTURE**

**MAIN DATA ON PRIORITY PROJECTS
WITH
EUROPEAN FUNDING**

STRUCTURE OF THE PRESENTATION

1. ROADS
 - a. HIGHWAYS
 - b. BYPASSES
 - c. EIB PROJECTS
2. RAILROADS
 - a. CORIDOR IV
 - b. TRAIN STATIONS
3. NAVAL
4. AVIATION
5. INTERMODAL
6. METRO

VALUE OF THE PROJECTS LAUNCHED IN 2010-2011

SOP-T

1.Highways	2534 M EUR	288,8 km
2.Bypasses	539 M EUR	138,7 km
3.CFR – Corridor IV	1889 M EUR	166,3 km
4.CFR – Stations	227 M EUR	
5.Aviation projects	150 M EUR	
6.Intermodal projects	33 M EUR	
7.Naval projects	200 M EUR	

TOTAL 5.573 M EUR

IMPROVEMENT OF NATIONAL ROADS - EIB (V-VI)

TOTAL 848,5 M EUR 943,3 KM

[roads]

1.Highways	2534 M EUR	288,8 km
2.Bypasses	539 M EUR	138,7 km
3.CFR – Corridor IV	1889 M EUR	166,3 km

HIGHWAYS (1/5)

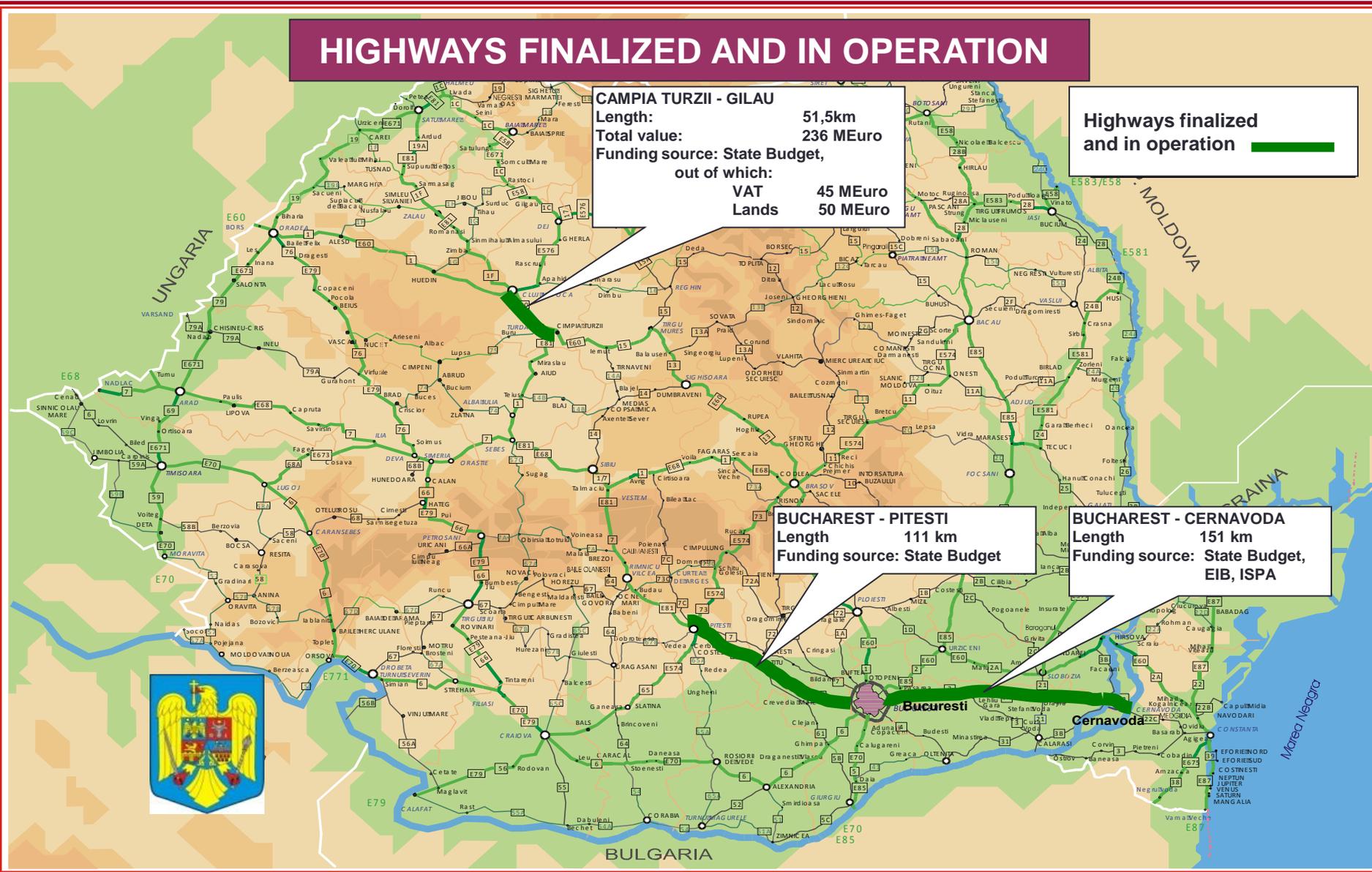
HIGHWAYS FINALIZED AND IN OPERATION

CAMPIA TURZII - GILAU
 Length: 51,5km
 Total value: 236 MEuro
 Funding source: State Budget,
 out of which:
 VAT 45 MEuro
 Lands 50 MEuro

Highways finalized
 and in operation 

BUCHAREST - PITESTI
 Length 111 km
 Funding source: State Budget

BUCHAREST - CERNAVODA
 Length 151 km
 Funding source: State Budget,
 EIB, ISPA



HIGHWAYS (2/5)

Highways under execution with completion in 2011-2012

Highways under execution

Total value: 2746 M EUR
Total km: 243 km
Due on: 2011-2012

SUPLACU de BARCAU - BORS
Length: 64 km
Total value : 963 MEuro
Funding source: State Budget
out of which:
VAT 153 MEuro
Lands 55 MEuro

Under execution –Deadline 2012

ARAD BYPASS
Length: 12,3 km
Total value: 173 MEuro
Funding souce: - EIB 76 MEuro
- CF 40 MEuro
- StateBudget 57 MEuro

Under execution –Deadline 2011

ARAD - TIMISOARA
Length: 32,2 km
Total value: 194 MEuro
Funding source: - EIB 85 MEuro
- CF 44 MEuro
- State Budget 65 MEuro

Under execution – Deadline 2011

BUCURESTI – MOARA VLASIEI
Length: 19,5 km
Total value: 492 Meuro
C+M : 200,00 MEuro
Lands: 291,00 MEuro
Consultancy: 1,0 MEuro
VAT: 38,2 MEuro
Funding source: State Budget
Under execution: Deadline 2012

MOARA VLASIEI - PLOIESTI
Length: 42,5 km
Total value: 318,60 Meuro
C+M : 251,00 MEuro
Lands: 17,00 MEuro
Consultancy: 2,2 MEuro
VAT: 48,4 MEuro
Funding source: State Budget
Under execution - Deadline 2012

CERNAVODA - MEDGIDIA
Length: 19,3 km
Total value: 211 MEuro
Funding source: - CF 36 MEuro
- EIB 115 MEuro
- State Budget 60 MEuro

On going: 2011

CONSTANTA BYPASS
Length: 22,1 km
Total value: 192 MEuro
Funding source: - CF 53 MEuro
- ERDB 75 MEuro
- State Budget 64 MEuro

Under execution – Deadline 2011

MEDGIDIA - CONSTANTA
Length: 31,5 km
Total value: 203 MEuro
Funding source: - CF 35 MEuro
- EIB 111 MEuro
- State Budget 58 MEuro

On going



BULGARIA

Maree Neagra

HIGHWAYS (3/5)

Highways launched in 2010-2011

Total value: 2534 M EUR
Total km: 288,8 km

NADLAC – ARAD

Length: 38,8 km
Total value: 234 MEuro
Funding source: - CF 9 MEuro
- State Budget 35 MEuro

ESTIMATED to be launched: 2011
ESTIMATED to be finalized: 2013

ORASTIE – SIBIU and SEBES Bypass

Length: 82 km
Total value: 693 MEuro
Funding source: - CF 589 MEuro
- State Budget 104 MEuro

ESTIMATED to be launched: 2011
ESTIMATED to be finalized: 2013

TIMISOARA - LUGOJ

Length: 35,6 km
Total value : 217 MEuro
Funding source: - CF 184 MEuro
- State Budget 33 MEuro

ESTIMATED to be launched: 2011
ESTIMATED to be finalized: 2013

DEVA – ORASTIE

Length: 32,8 km
Total value: 365 MEuro
Funding source: ISPA 114 MEuro
- State Budget 251 MEuro

ESTIMATED to be launched: 2011
ESTIMATED to be finalized: 2012

LUGOJ – DEVA bridge project

Length: 99,5 km
Total value: 1.025 MEuro
Funding source: - CF 871 MEuro
- State Budget 154 MEuro

ESTIMATED to be launched: 2011
ESTIMATED to be finalized
LOT 1: 2013
LOT 2: 2015
LOT 3: 2015

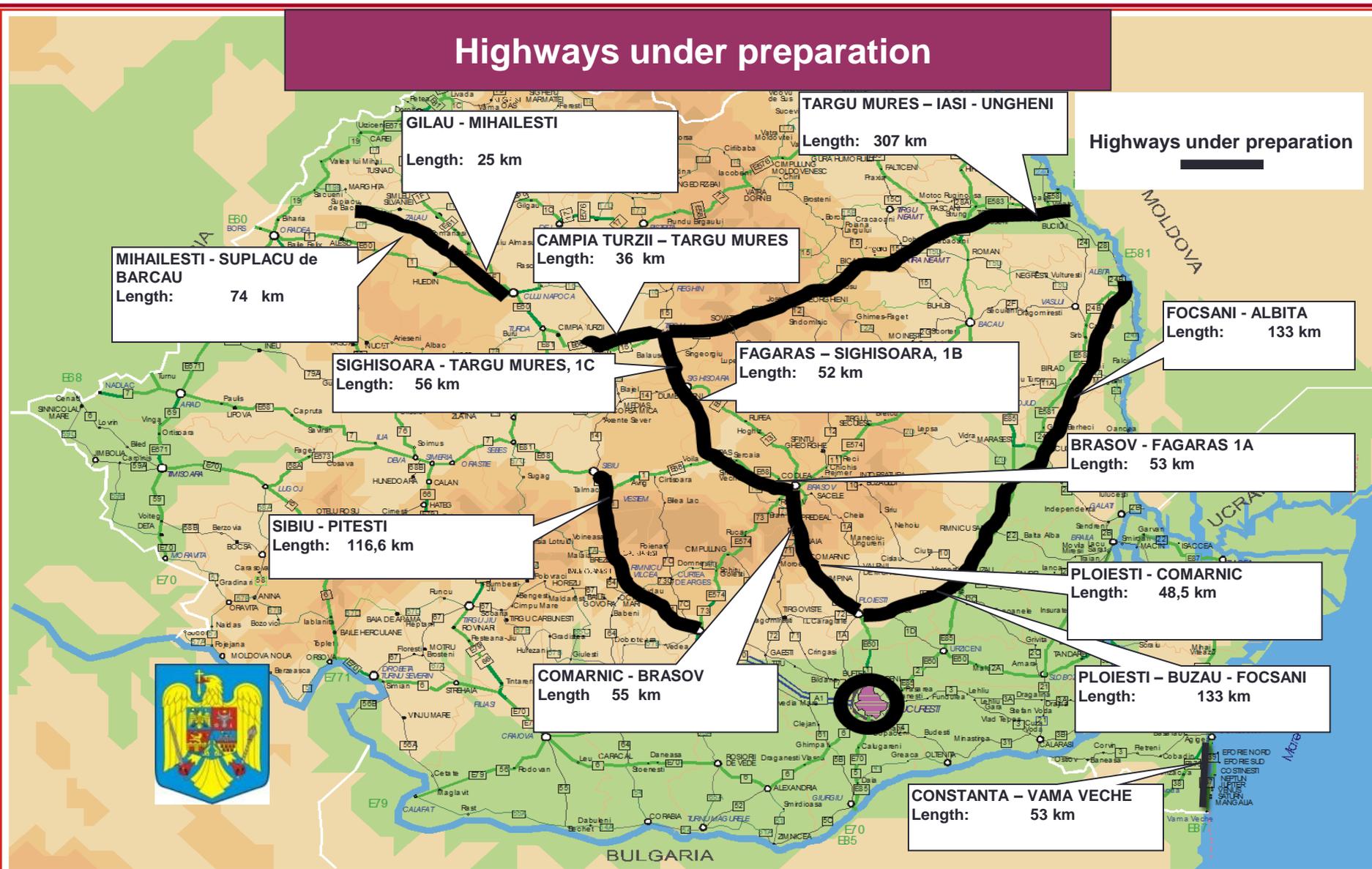


BULGARIA

Marec Neagra

HIGHWAYS (4/5)

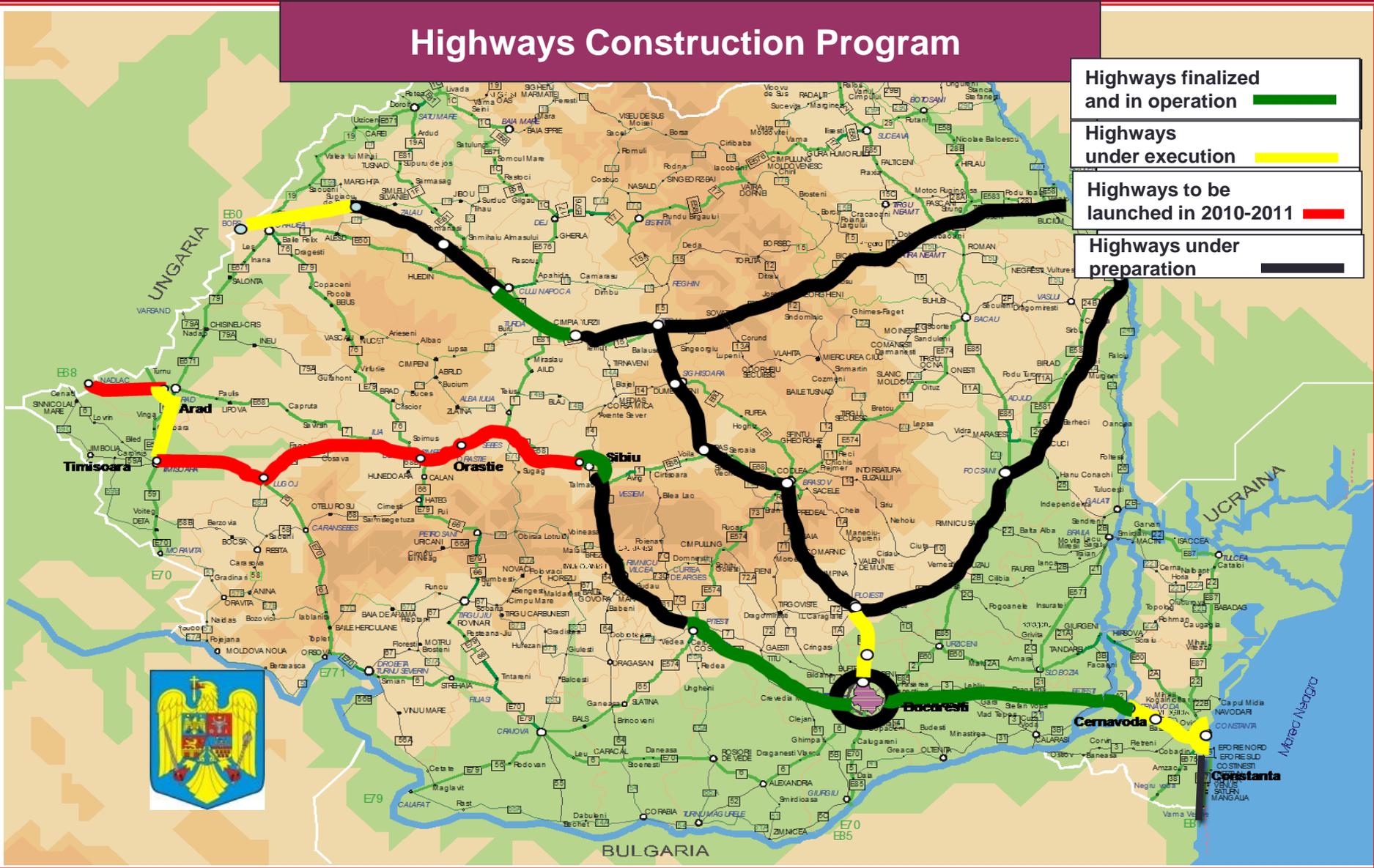
Highways under preparation



HIGHWAYS (5/5)

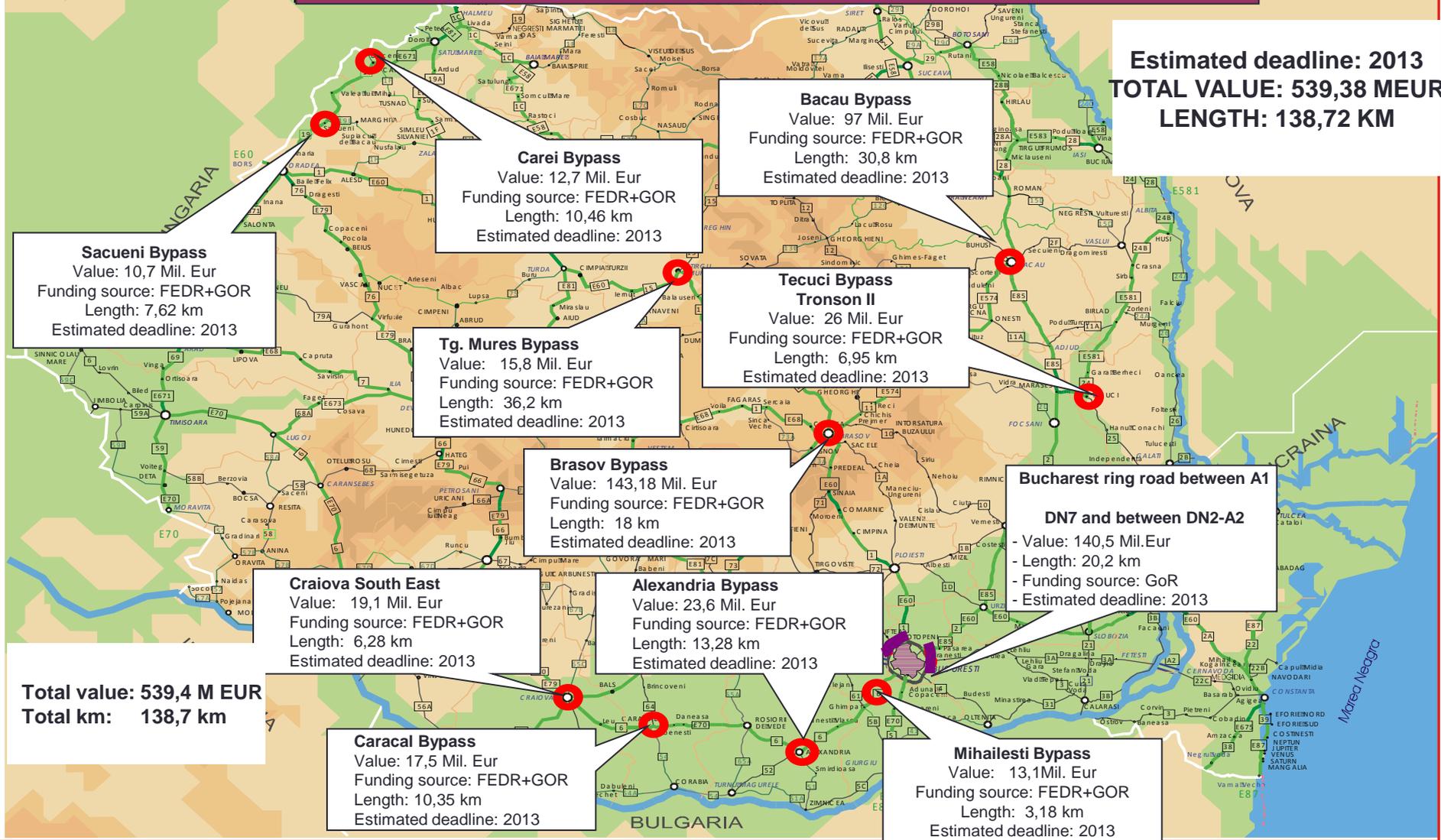
Highways Construction Program

- Highways finalized and in operation 
- Highways under execution 
- Highways to be launched in 2010-2011 
- Highways under preparation 



BYPPASSES(1/2)

Bypasses launched in 2010-2011

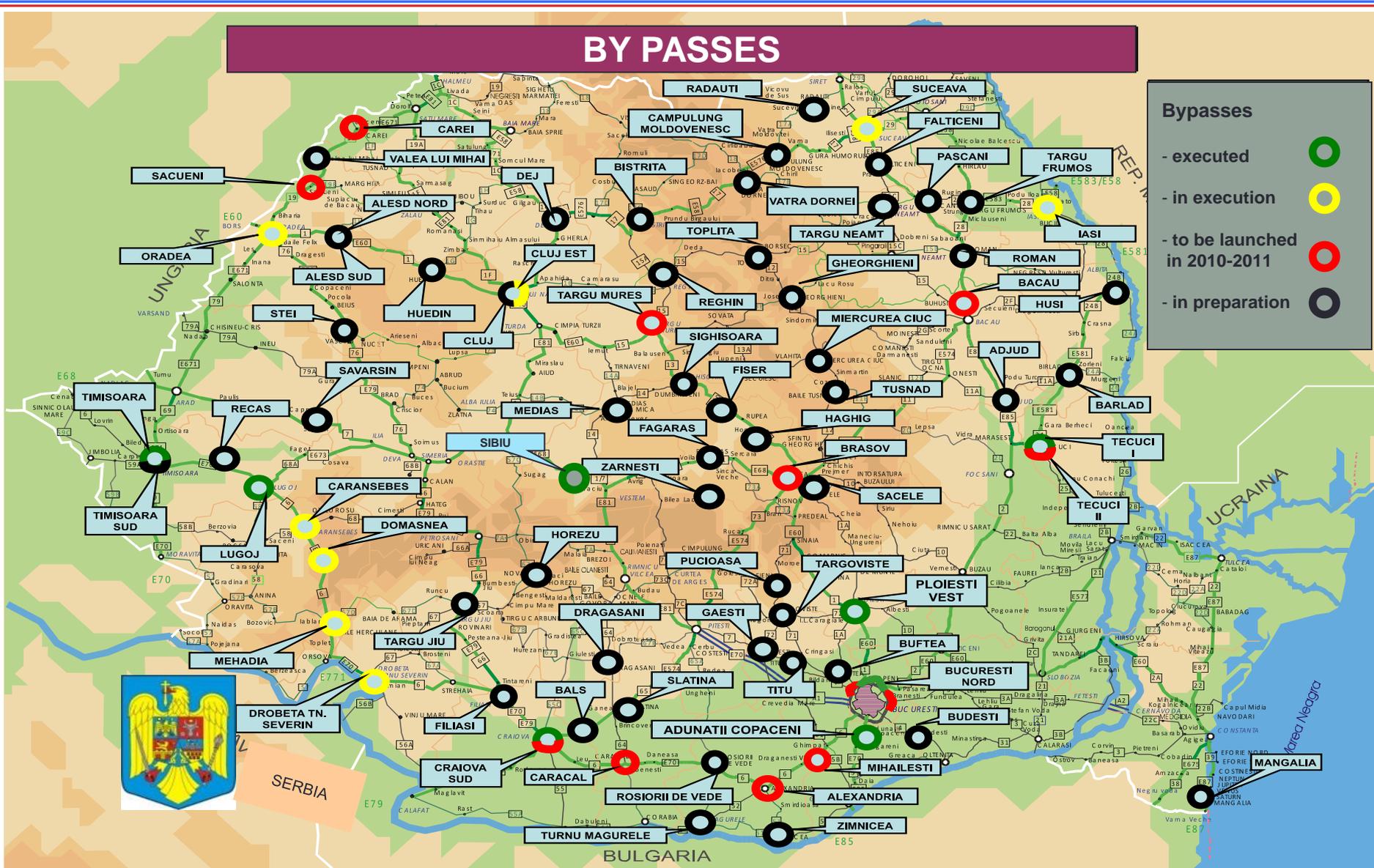


BY PASSES(2/2)

BY PASSES

Bypasses

- executed ●
- in execution ●
- to be launched in 2010-2011 ●
- in preparation ●



EIB PROJECTS (1/2)

Rehabilitation of National Roads

NR1C, Satu Mare -Baia Mare si
NR 19 Satu Mare – Livada,
NR 1C Livada - Halmeu
Length: 76,60 km
Funding source EIB VI
Value: 149,97 Mil. Lei
Estimated deadline: 2013

NR 1C, Dej- Baia Mare
Length: 86,49 km
Funding source EIB VI
Value: 240,94 Mil. Lei
Estimated deadline: 2013

NR 76, Beius – Oradea
Length: 50,73 km
Funding source EIB V
Value: 193,23 Mil. Lei
Estimated deadline: 2013

NR 76, Stei – Beius
Length: 31 km
Funding source EIB V
Value: 115,69 Mil. Lei
Estimated deadline: 2013

NR 76, Varfurile – Stei
Length: 33,31 km
Funding source EIB V
Value: 249,23 Mil. Lei
Estimated deadline: 2013

NR 76, Baia de Cris – Varfurile
Length: 29,35 km
Funding source EIB V
Value: 105,72 Mil. Lei
Estimated deadline: 2013

NR 76, Soimus – Baia de Cris
Length: 40 km
Funding source EIB V
Value: 86,25 Mil. Lei
Estimated deadline: 2013



NR 56, Galicia Mare – Calafat
Length: 37,02 km
Funding source EIB V
Value: 128,17 Mil. Lei
Estimated deadline: 2013

NR 1H, Zalau –Rastoci
Length: 53,37 km
Funding source EIB VI
Value: 142,17 Mil. Lei
Estimated deadline: 2013

NR 18,
Baia Mare – Moisei - Iacobeni
Length: 197,53 km
Funding source EIB VI
Value: 955,27 Mil. Lei
Estimated deadline: 2013

NR 15 / NR 15A,
Tg. Mues -Reghin – Saratei
Length: 71,14 km
Funding source EIB VI
Value: 460,20 Mil Lei
(for the entire Lot E –EIB VI)
Estimated deadline: 2013

NR 14, Sibiu –Sighisoara
Length: 79,77
Funding source EIB VI
Value: 460,20 Mil Lei
(for the entire Lot E – EIB VI)
Estimated deadline: 2013

NR 66, Bumbesti Jiu – Petrosani
Length: 32,5 km
Funding source EIB V
Value: 138,91 Mil. Lei
Estimated deadline: 2013

NR 56, Craiova – Galicia Mare
Length: 47 km
Funding source EIB V
Value: 280,81 Mil. Lei
Estimated deadline: 2013

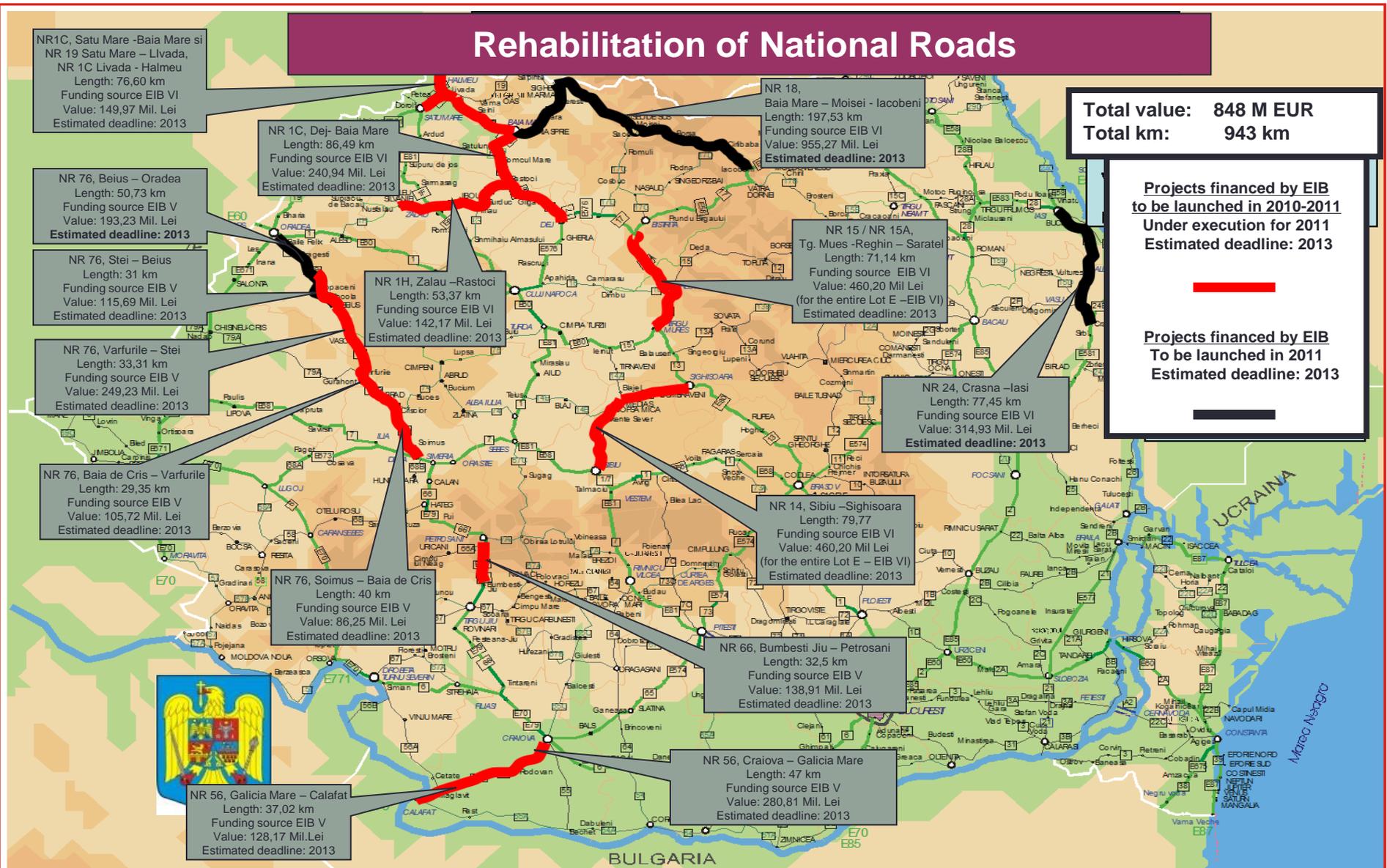
NR 24, Crasna –Iasi
Length: 77,45 km
Funding source EIB VI
Value: 314,93 Mil. Lei
Estimated deadline: 2013

Total value: 848 M EUR
Total km: 943 km

Projects financed by EIB
to be launched in 2010-2011
Under execution for 2011
Estimated deadline: 2013



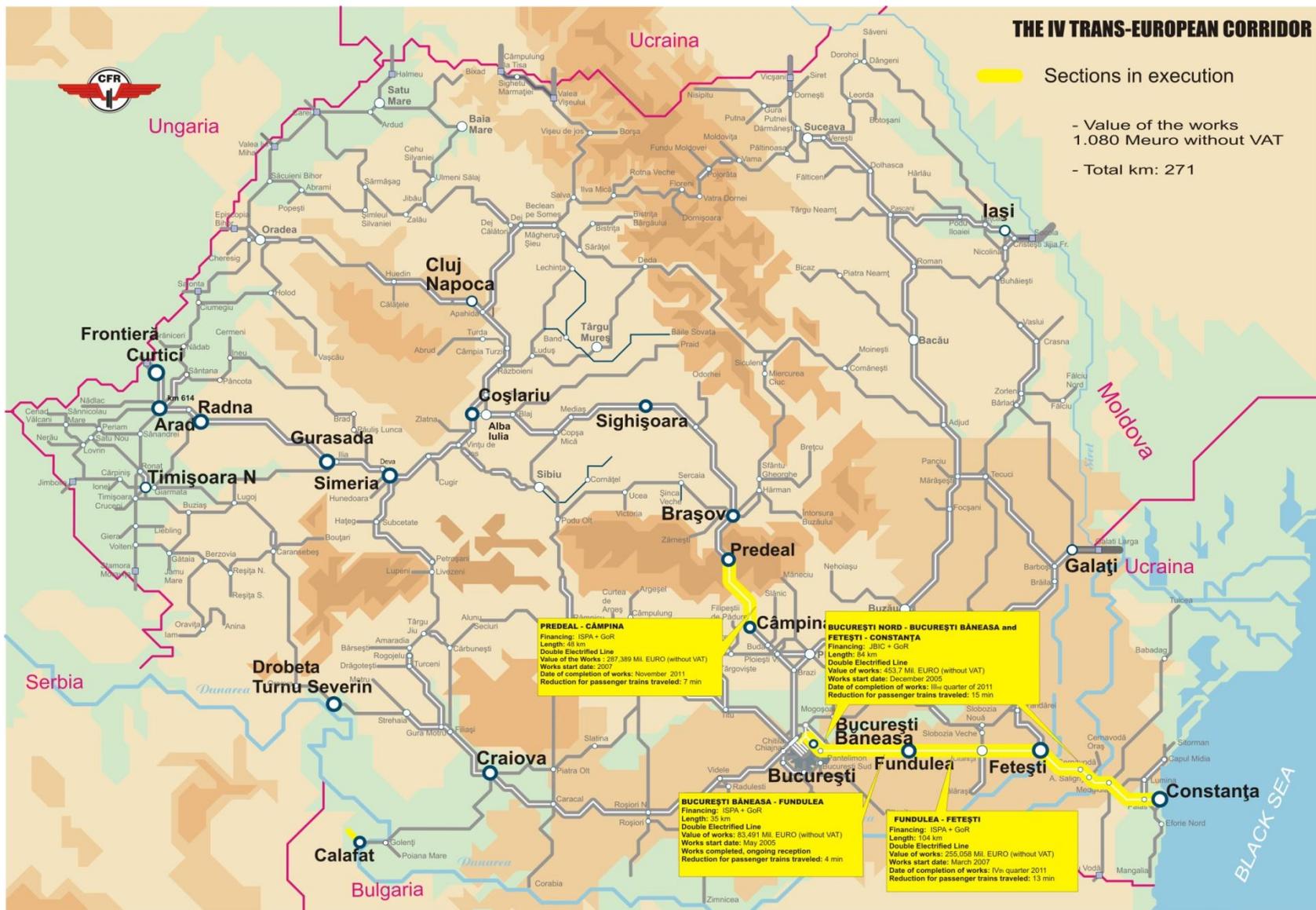
Projects financed by EIB
To be launched in 2011
Estimated deadline: 2013



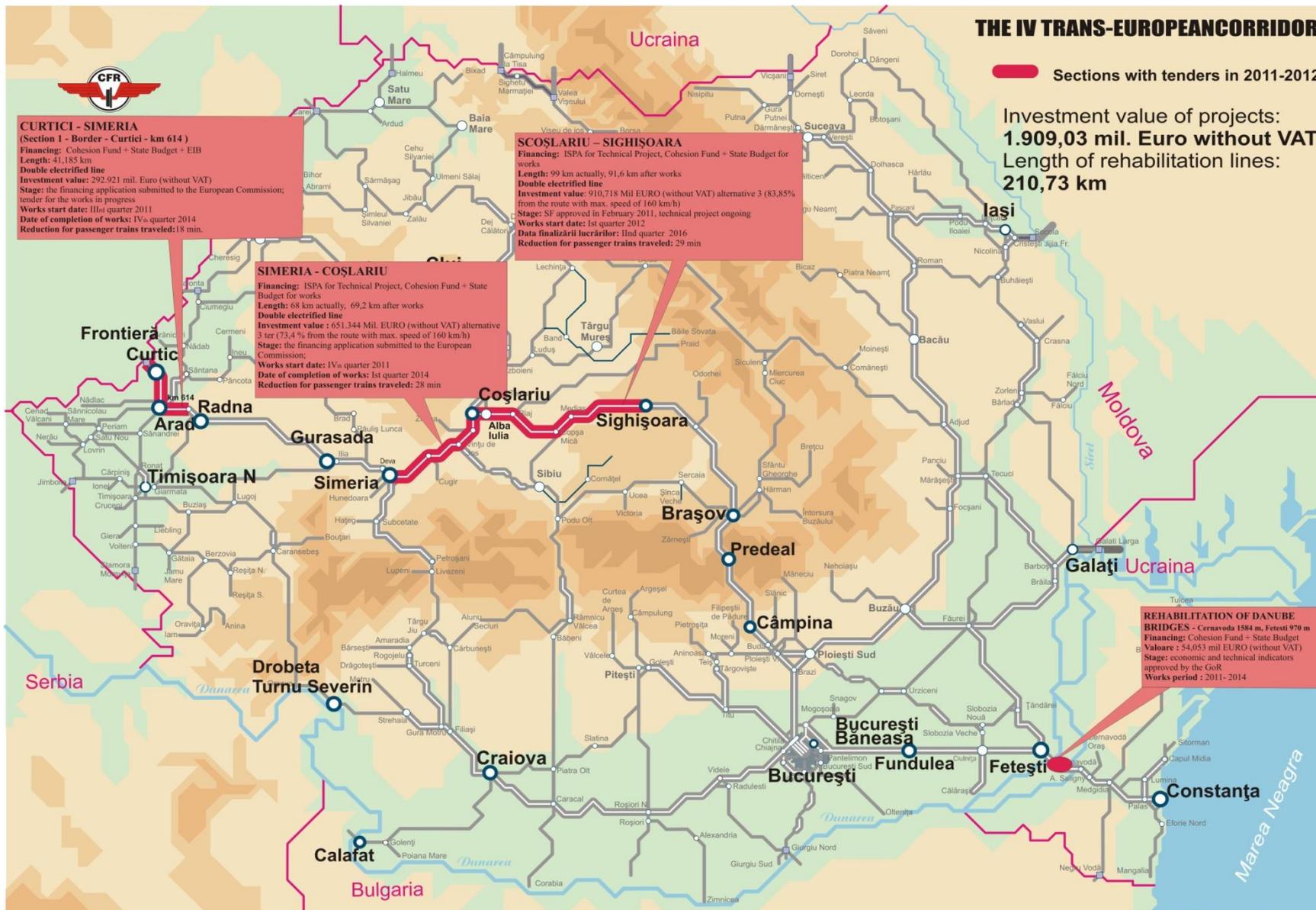
[railroads]

1. CFR – Corridor IV	1889 M EUR	166,3 km
2. CFR – Stations	227 M EUR	21 stații

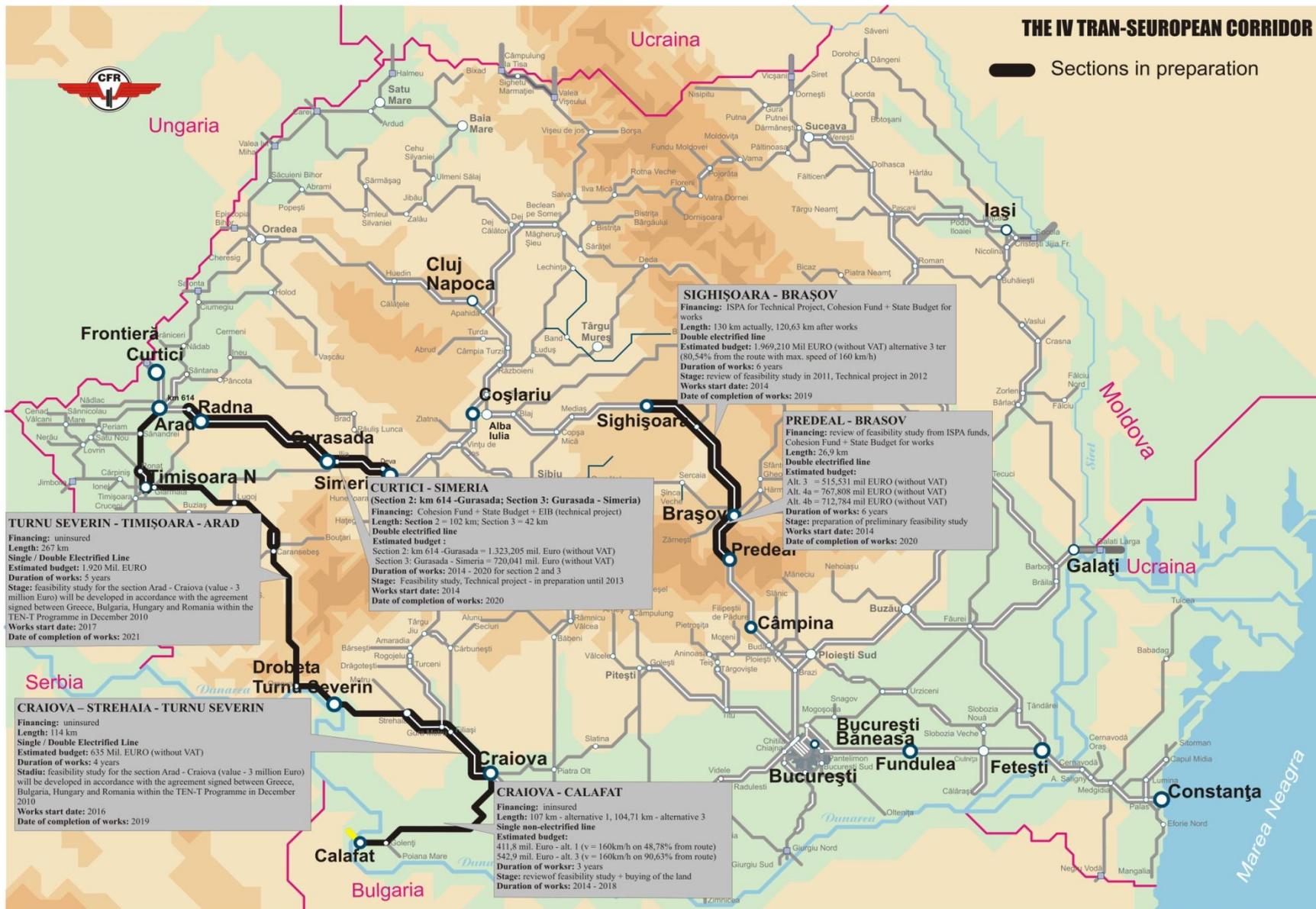
CORRIDOR IV (1/4)



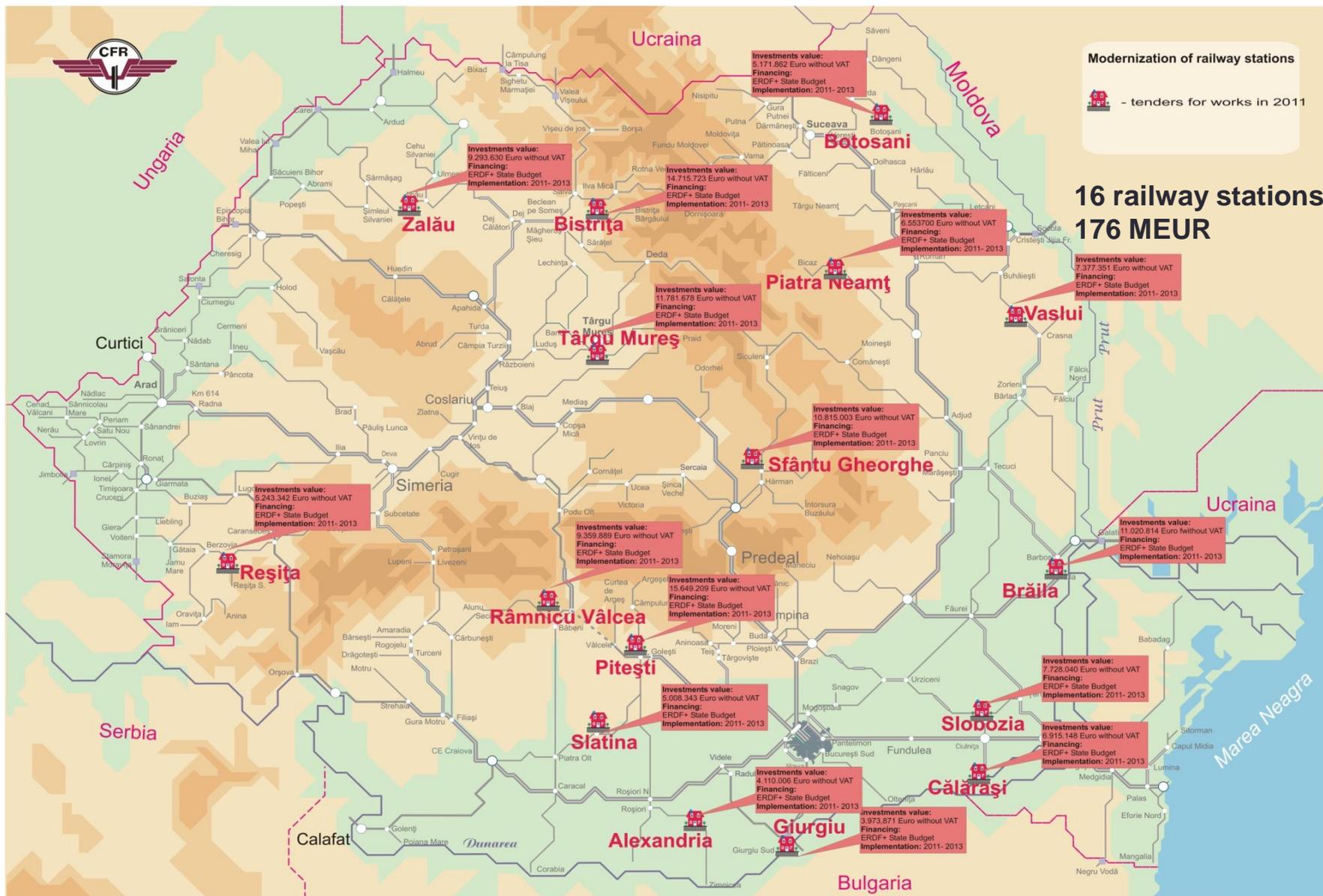
CORIDOR 4 (2/4)



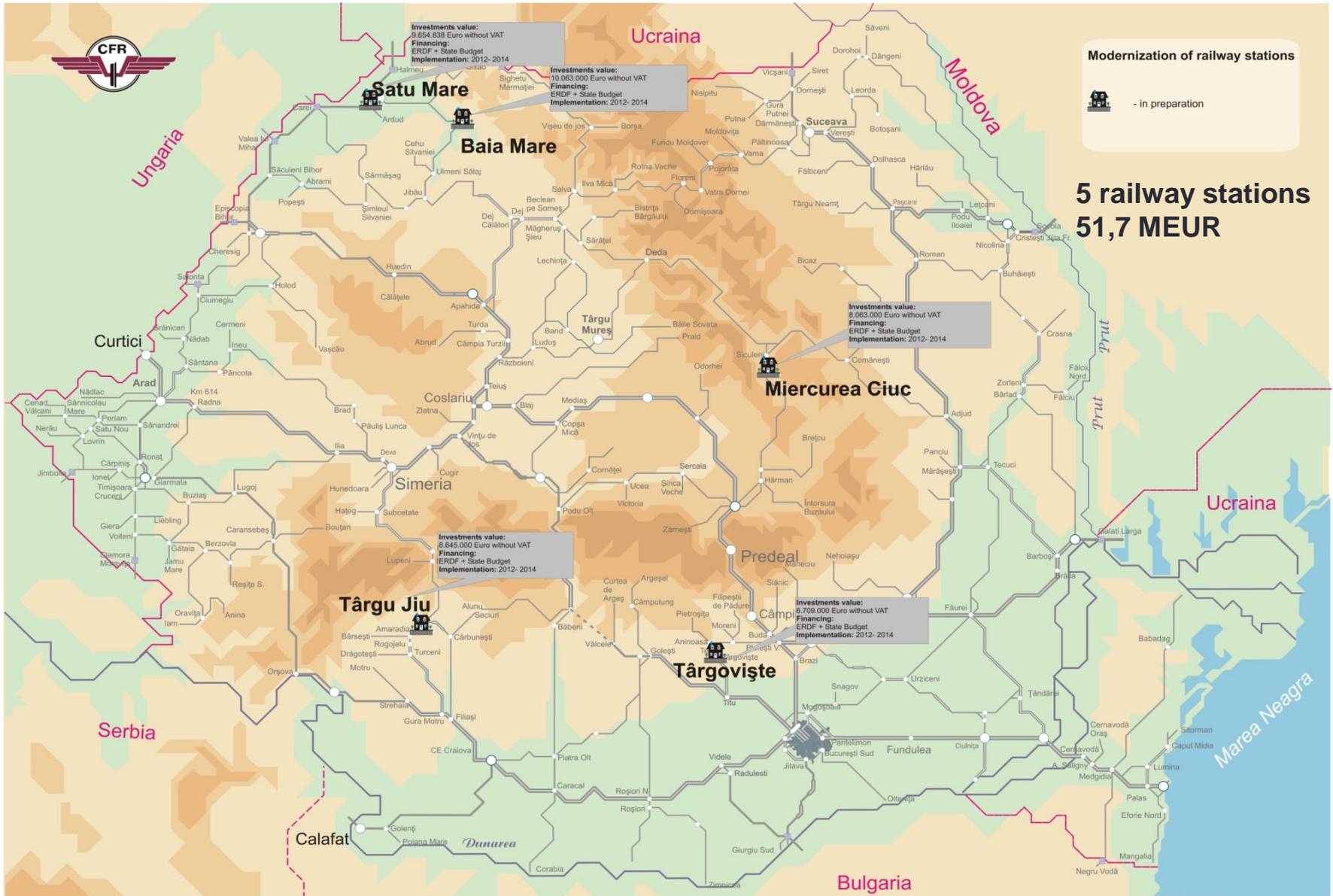
CORRIDOR IV (3/4)



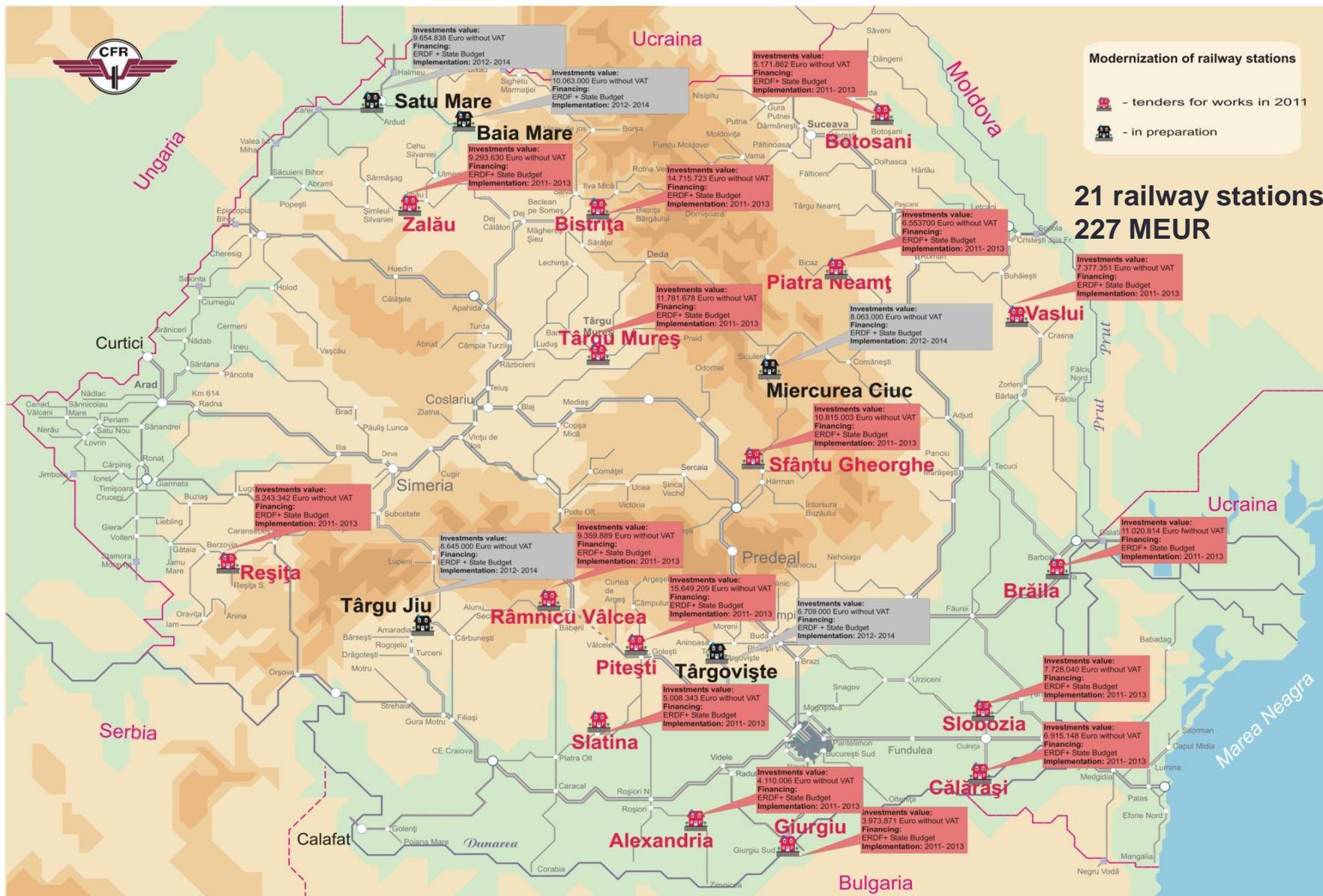
STATIONS(1/3)



STATIONS(2/3)



STATIONS(3/3)



[naval]

Projects value of 200 M EUR

3. Naval transport infrastructure (1/3)

1. Finalization of the breakwater in the Port of Constantza

- **Value: 144 M EUR**
- **Funding source: 69% EFRD / 31% state budget**
- **Estimated deadline: 2013**

The execution of the last section of 1050 m, which is not finalized, will have as result:

- the decrease of the waves propagation in the port to an acceptable level for safe operation of the ships,
- the diminution of destructive effects of the waves over the emplacements inside the port
- easy access of the ships to the port

3. Naval transport infrastructure (2/3)

2. RoRIS (Romanian River Information System)

- **Value: 15.8 M EUR**
- **Funding source: 75% FEDR / 25% state budget**
- **Estimated deadline: 2012**

This system is the most complex project approached in Romania in the field of Intelligent Naval Transport Systems. RoRIS transmits notices to skippers, transmits fairway data, offers information on ships voyages to the authorities, river traffic management, dangerous goods transport management and contributes to the avoidance of accidents.

3. Naval transport infrastructure (3/3)

3. Road bridge at km 0+540 of the Danube – Black Sea Canal and adjoining works of road infrastructure and access to the Port of Constantza

- **Value: 35.6 M EUR**
- **Funding source: 69.3% FEDR / 30,7% state budget**
- **Estimated deadline: 2012**

The works include the execution of a bridge over the Danube – Black Sea Canal, the execution of roads, platforms and adjoining level crossings to the bridge. This project is meant with the view to connect the Port of Constantza to the Bucharest – Constantza motorway and to make a direct link between the Northern and the Southern part of the Port of Constantza.

[aviation]

Projects value of 150 M EUR

4. Aviation infrastructure (1/2)

MTI has elaborated a transparent scheme of state aid, called "Financing support for modernization and development of air transport infrastructure within the Sectoral Operational Program - Transport"

- beneficiaries of this scheme are all the airport administrations of the airports of D category of Romania, respectively the airports with an annual traffic under 1 million passengers
- For the moment, there are 15 airports in compliance with this category
- These airports cover the entire surface of Romania, excepting the area of Bucharest Municipality (where are under operation two airports with a traffic of more than 1 million of passengers/year).

4. Aviation infrastructure (2/2)

The maximum estimated value of the eligible expenses funding which will be granted within the scheme of state aid, for the period, is of **150,5 M EUR**

- Funding source: FEDR - 41 M EUR/national public funds – 109 M EUR.
- The value of the project is between a minimum of 2 M EUR and a maximum of 40 M EUR;
- At present, there is in the MTI a portfolio of projects concerning the outfit for airport infrastructure investment. The total value of these projects is of about 424 M EUR.

[intermodal]

Projects value of 33 M EUR

5. Intermodal (1/2)

The general target for the year 2020:

The intermodal transport should hold a rate of at least 40% of the volume_of goods_ carried in intermodal transport units (ITU) in the territory of Romania.

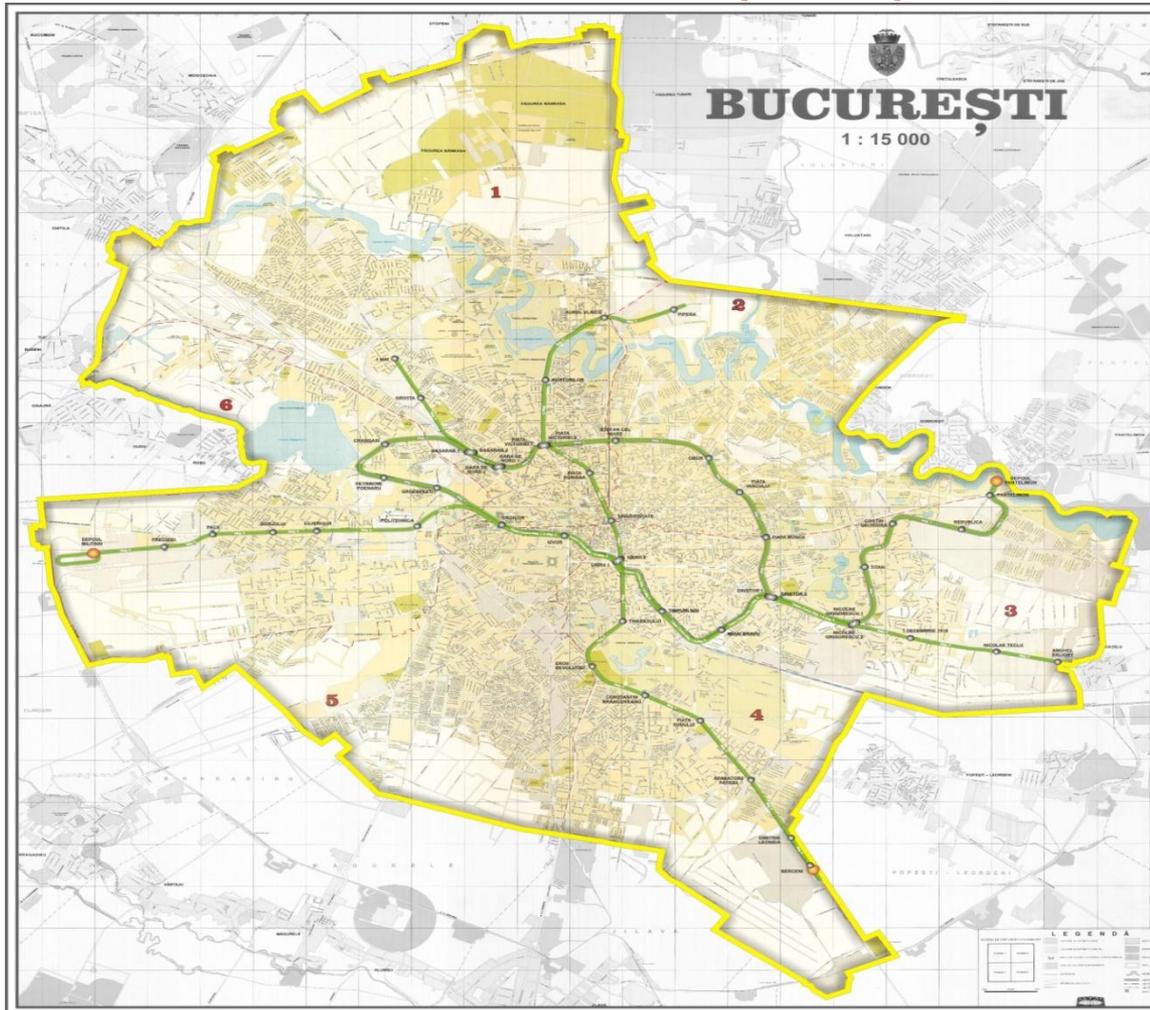
5. Intermodal (2/2)

1	Development of the intermodal terminals 2011-2013	Estimated budget
		33 M EUR
2	Planning and preparation of masterplans for the modernization/development/construction of intermodal terminals foreseen for the period 2014-2020	Estimated budget
		4,7 M EUR
TOTAL		37,7 M EUR

[metro]

Projects value of 1840 M EUR

METRO LINES (1/5)



METRO LINES IN OPERATION

Total length - 69.9 km. double railway track

Stations - 49

Passengers - about 630,000 / working day

Line 1: Pantelimon - Republica - Nicolae Grigorescu - Eroilor - Gara de Nord - Dristor

Total length - 31.1 km. double railway track (out of which 8.5 km. sharing with Line 3)

Stations - 22 (out of which 7 sharing with Line 3)

Line 2: Berceni - Pipera

Total length - 18.7 km. double railway track

Stations - 14

Line 3: Anghel Saligny - Nicolae Grigorescu - Eroilor - Preciziei

Total length - 22.6 km. double railway track (out of which 8.5 km. sharing with Line 1)

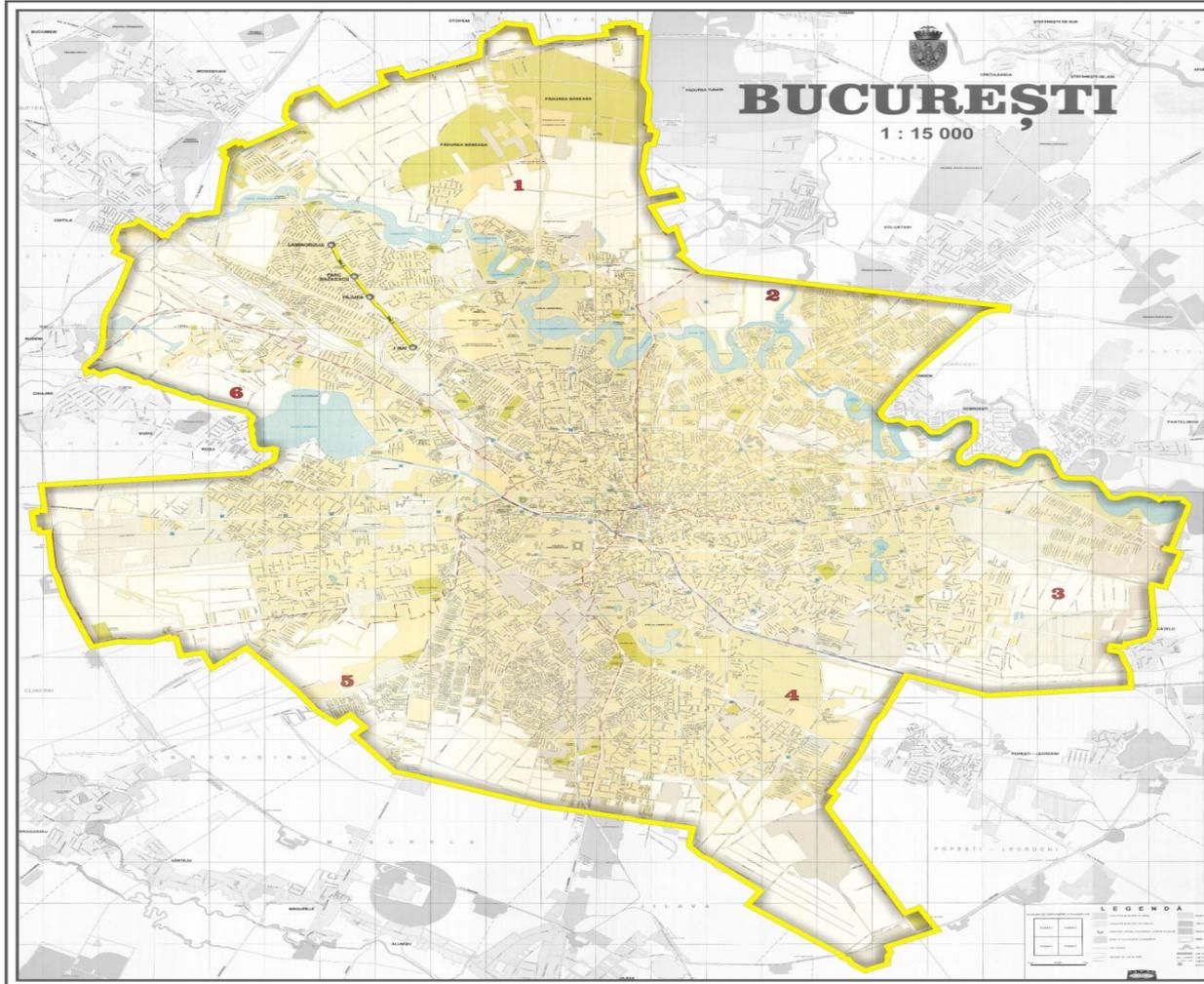
Stations - 15 (out of which 7 sharing with Line 1)

Line 4: Laminorului - Gara Progresu, Section Gara de Nord - 1 Mai

Length - 3.7 km. double railway track

Stations - 4

METRO LINES (2/5)



METRO LINES UNDER CONSTRUCTION

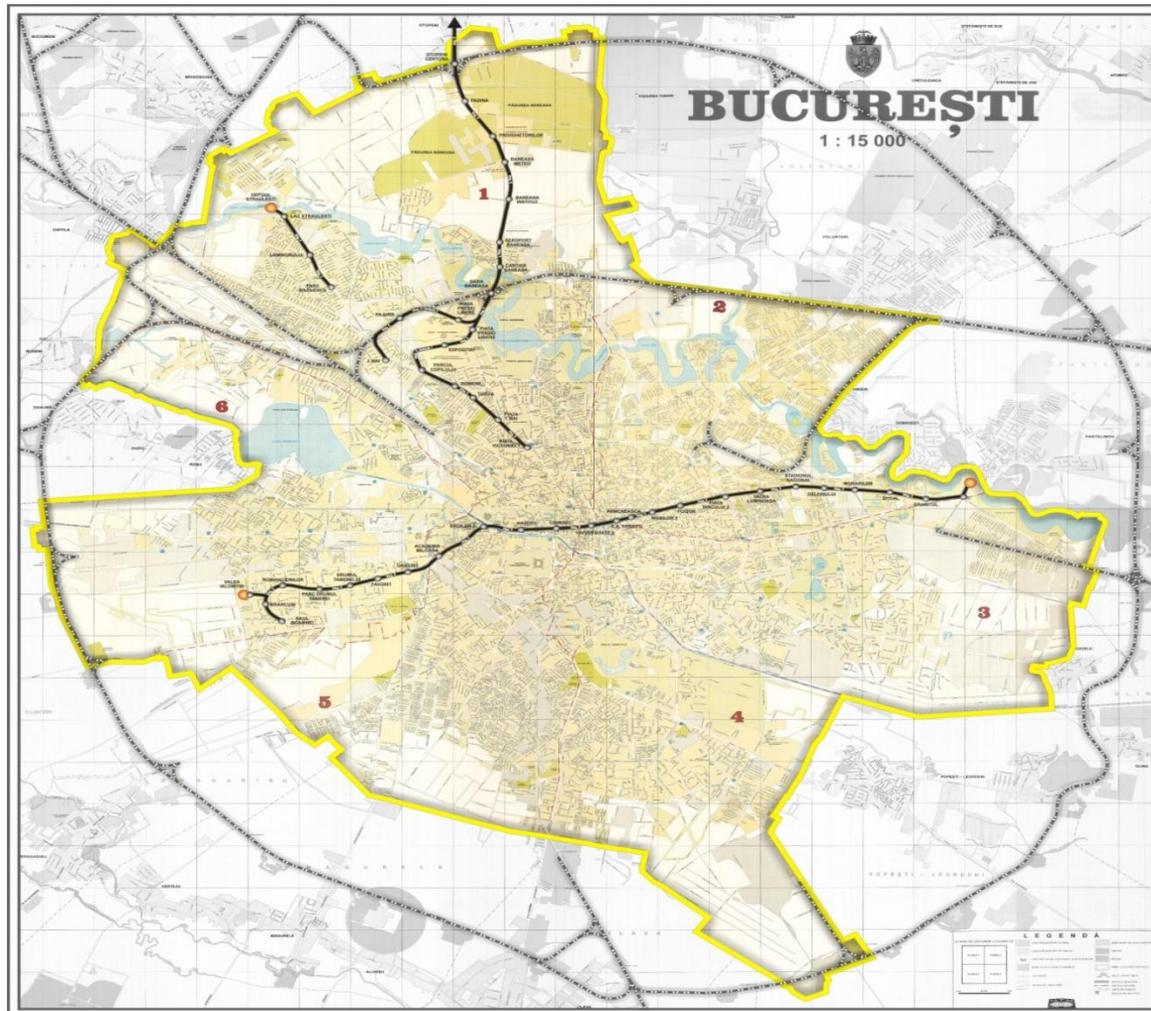
Line 4: Laminorului -Gara Progresu, Section 1 Mai – Parc Bazilescu

Length – 2.6 km. double railway track

Stations – 2

Estimated time for commissioning: 2011, 1st Semester

METRO LINES (3/5)



PLANNED METRO LINES

Line 5: Drumul Taberei – Pantelimon. Section Râul Doamnei - Eroilor

Length – 6.2 km. double railway track

Stations – 10

Financing - EIB loan and State Budget

Estimated time for starting the works – 2011, 1st Quarter

Estimated time for commissioning - 2015

Line 5: Drumul Taberei – Pantelimon. Section Hasdeu – Universitate - Pantelimon

Length - 11 km. double railway track

Stations – 17

Financing – in preparation

Line 6: Metro Line link to “Henri Coanda” – Otopeni International Airport

Estimated length – 16 km. double railway track

Estimated no. of stations – 19

Financing – JICA loan and State Budget

Estimated time for starting the works – 2012

Estimated time for commissioning - 2017

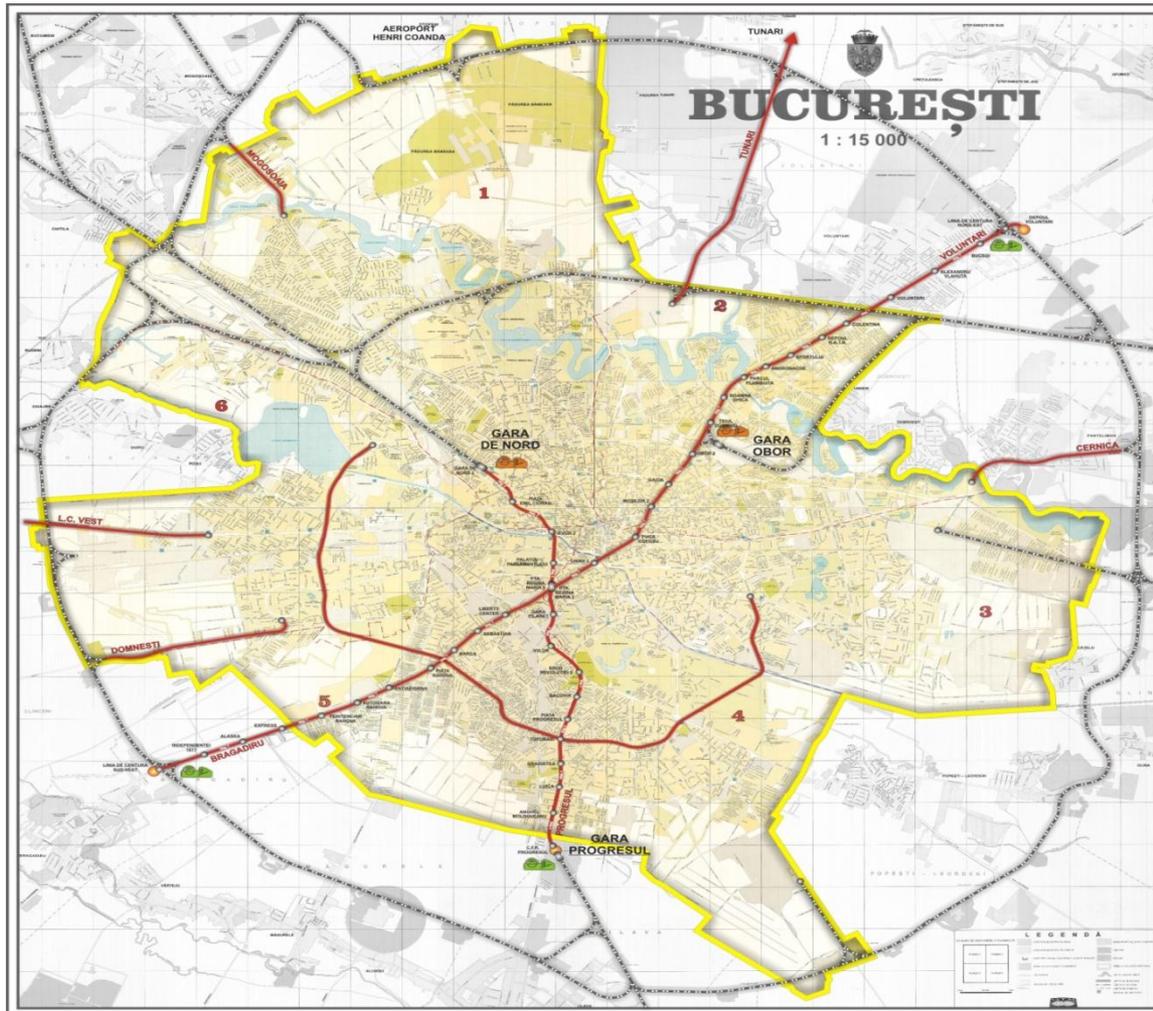
Line 4: Laminorului - Gara Progresu, Section Parc Bazilescu – Lac Străulești

Estimated length – 2 km. double railway track

Estimated no. of stations – 2

Prefeasibility and Feasibility Studies – in preparation

METRO LINES (4/5)



PROSPECTIVE METRO LINES

Line 7: Șos.Alexandriei – Rahova – Piața Unirii – Moșilor – Obor – Colentina – Voluntari

Estimated length – 21 km. double railway track

Estimated no. of stations – 31

Prefeasibility and Feasibility Studies – in preparation

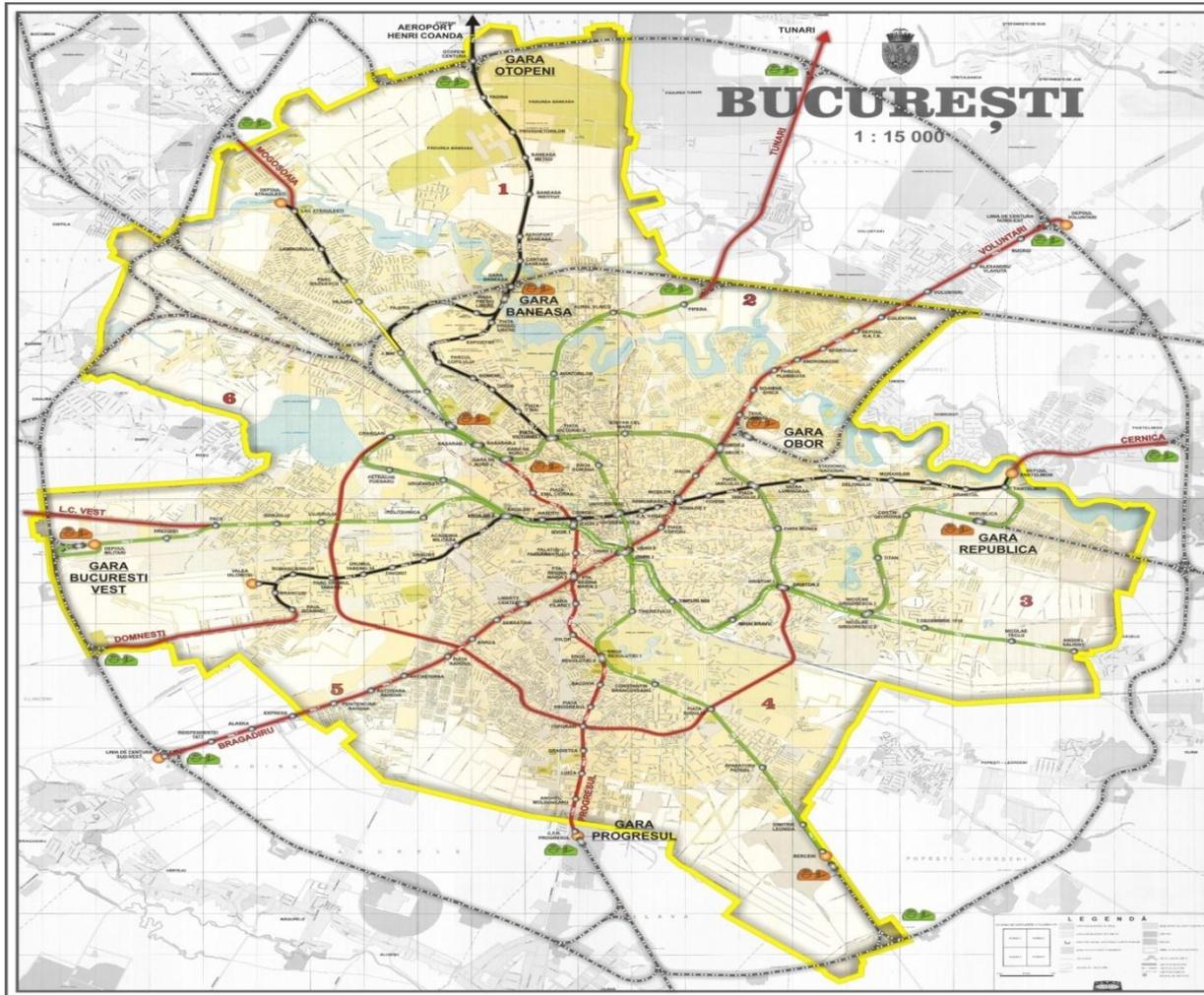
Line 4: Laminorului - Gara Progresu, Section Gara de Nord - Gara Progresu

Estimated length -15 km. double railway track

Estimated no. of stations – 20

Prefeasibility and Feasibility Studies – in preparation

METRO LINES (5/5)



PLANNED METRO LINES – Cost Estimation

M4 – Gara de Nord – Gara Progresu	Euro 950 mil.
M5 – Drumul Taberei – Pantelimon	Euro 1,700 mil.
M6 – 1 Mai – Otopeni	Euro 850 mil.
M7 – Bragadiru – Voluntari	Euro 1,900 mil.
Southern Metro Half-Ring	<u>Euro 1,300 mil.</u>
Total	Euro 6,700 mil.

EXTENSIONS TO METRO SYSTEM – Cost Estimation

Pacii – Linia de Centura West	Euro 250 mil.
Laminorului – Mogosoaia	Euro 290 mil.

METRO LINES

Pipera - Tunari	Euro 650 mil.
Pantelimon - Cernica	Euro 250 mil.
Ghencea - Domnesti	Euro 400 mil.

Total – estimation cost Euro 8,540 mil.

- Metro Lines in operation
- Metro Lines under construction
- Planned Metro Lines
- Prospective Metro Lines

THANK YOU!