



**HRVATSKE  
AUTOCESTE**

# **HAC'S INVESTMENT IN THE NETWORK OF MOTORWAYS AND STATE ROADS**

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## **Hrvatske autoceste (HAC)**

- a limited liability company with the registered seat in Zagreb operates, builds, reconstructs and maintains motorways
- operate with motorways A1 (except Zagreb – Bosiljevo 2 sector), A3, A4, A5, A10, A11 and state road D532 (tunnel Sveti Ilija) in total length of 925,8km

### **Owner**

Republic of Croatia 100%

### **Revenues**

Toll collection, fuel taxes, other revenues

### **Web**

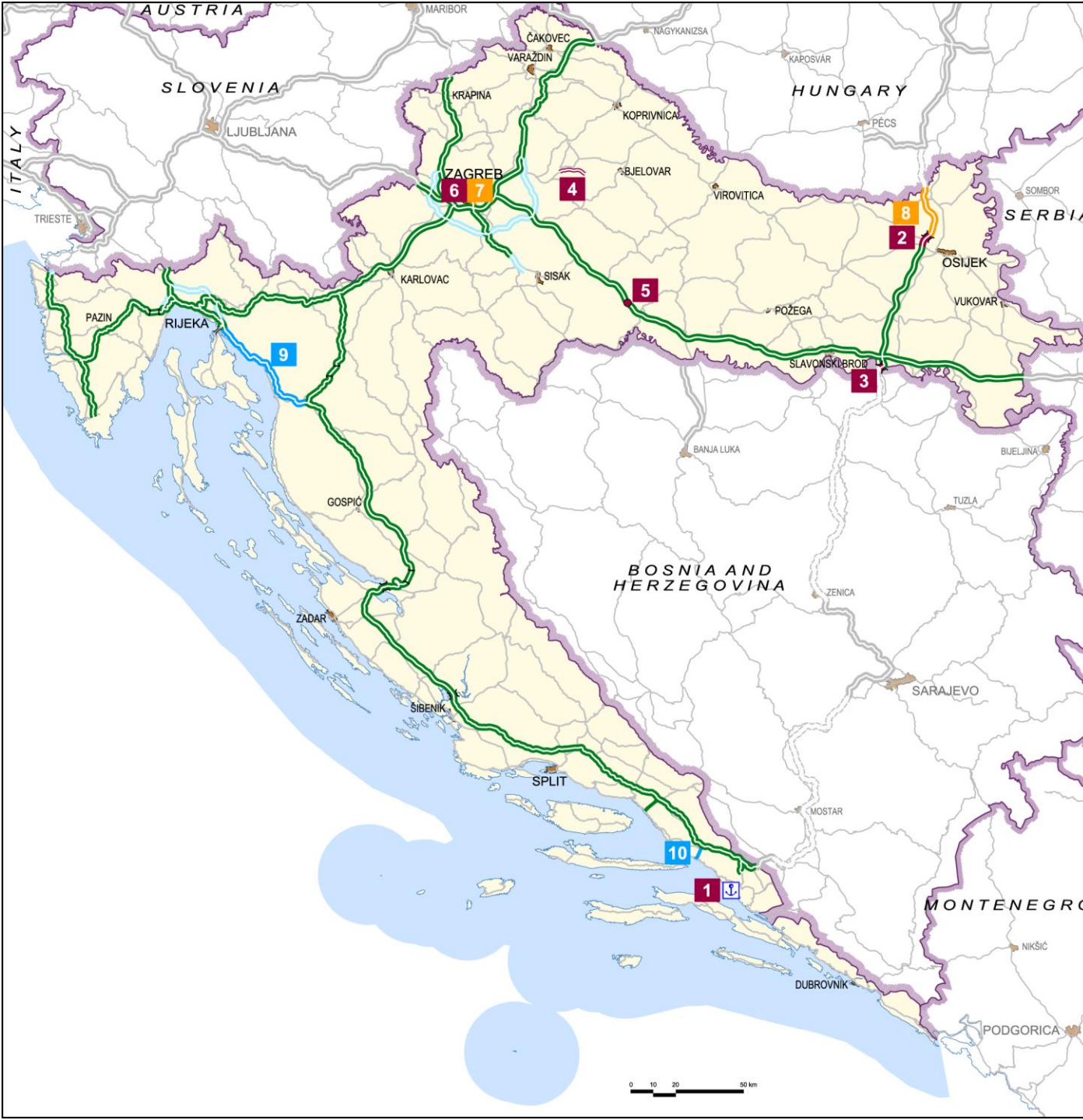
<http://hac.hr>

# MOTORWAYS IN THE REPUBLIC OF CROATIA NETWORK AND CONCESSIONAIRES



Concessionaire	Motorways	Status of construction
	A1 A3	— completed
	A4 A5	— under construction
	A10 A11	— planned
	*A1 A6 A7	— completed
	A8 A9	— completed
	A2	— completed

\*A1 part of the motorway A1 from Zagreb to Bosiljevo is operated by ARZ



# HAC's Investment in the network of motorways and state roads

## INVESTMENTS IN PROGRESS

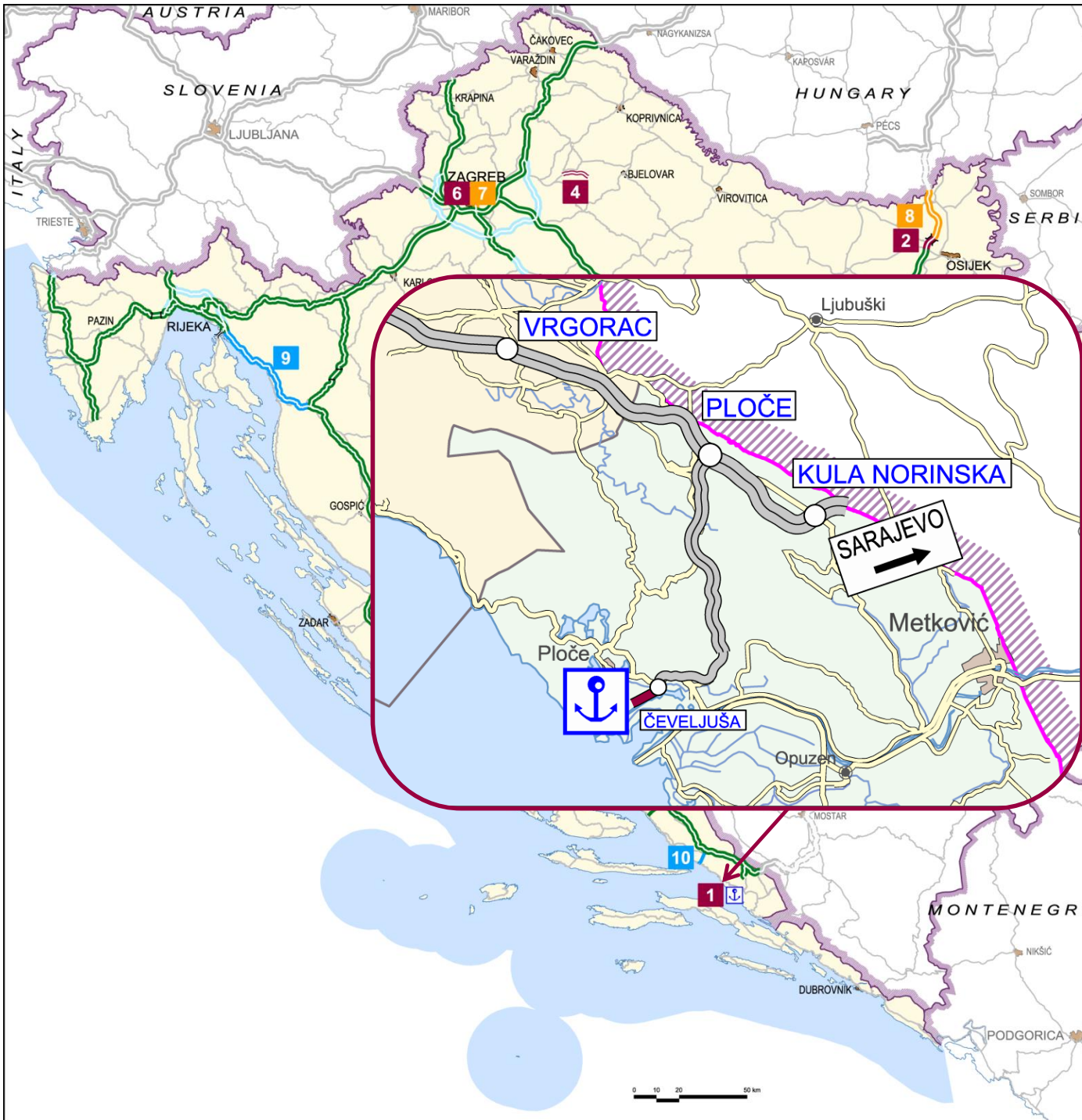
- 1** Ploče Gateway
- 2** A5 Drava Bridge - Osijek
- 3** A5 Sava Bridge
- 4** DC 12 Vrbovec 2 - Farkaševac
- 5** Lipovljani Interchange
- 6** Implementation of ITS Directive Crocodile II Croatia

## INVESTMENTS IN PREPARATION

- 7** Link between A11 and Sarajevska Street
- 8** A5 Border of R. of Hungary - Drava Bridge

## PLANNED INVESTMENTS

- 9** A7 Križišće - Žuta Lokva
- 10** Link road A1 - DC 8 Ravča - Drvenik



# 1. Ploče Gateway

**INVESTMENT VALUE:**  
8,6 mil €

**SHARE OF THE RoC:**  
1,6 mil €

**SOURCE OF FINANCING:**  
EU fund  
HAC (own proceeds)

**SCHEDULE OF CONSTRUCTION:**  
9/2015 – 12/2016

- INVESTMENT DESCRIPTION:**
- construction of 1,4km link road for connection of Ploče Port with corridor Vc as its final point on the south
  - connecting Ploče port with other ports in the Adriatic-Ionian corridor
  - there is no toll revenue, but it generates indirect profit

## 2. A5 Drava Bridge - Osijek

**INVESTMENT VALUE:**  
149,7 mil €

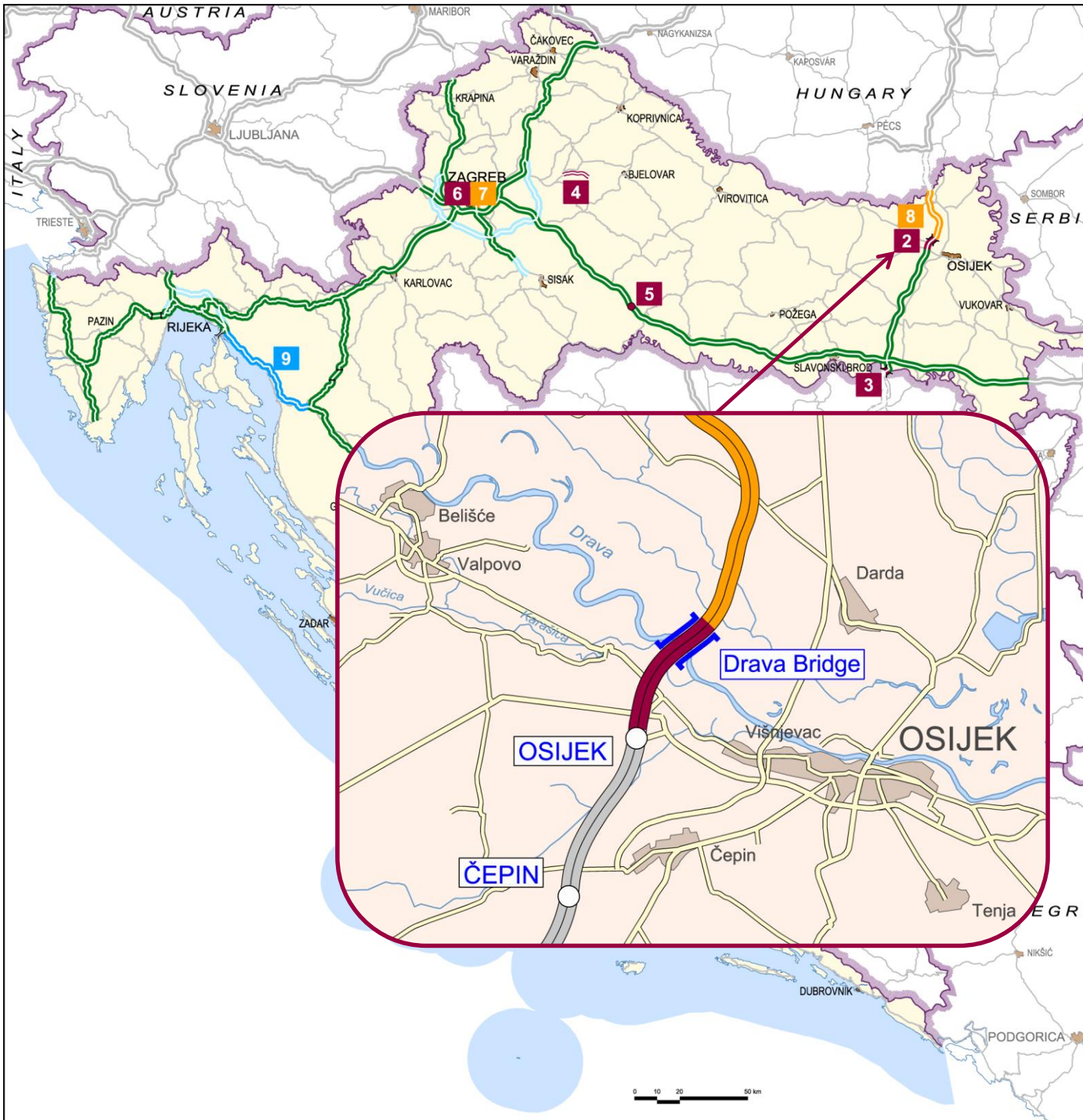
**SHARE OF THE RoC:**  
149,7 mil €

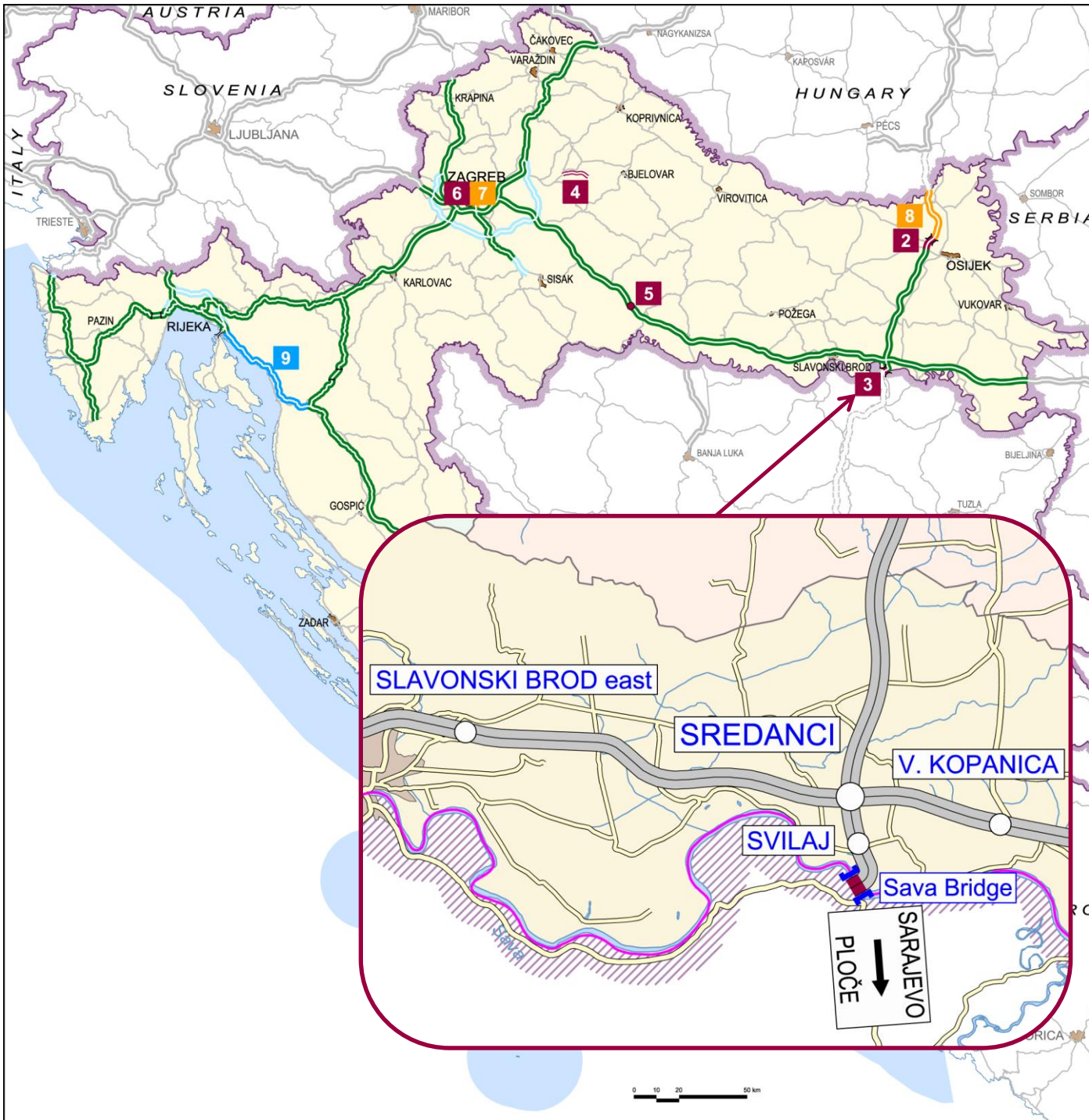
**SOURCE OF FINANCING:**  
HAC (loans from KfW and EBRD)

**SCHEDULE OF CONSTRUCTION:**  
9/2011 – 4/2017

### INVESTMENT DESCRIPTION:

- construction of 6,3km section which includes construction of Drava Bridge (2,5km) and 3,8km subsection from Drava Bridge to Osijek interchange
- prerequisites for completion of A5 motorway and Corridor Vc in Croatia
- connecting Slavonia and Baranya
- traffic growth on built motorway sections (when the entire section is completed)





### 3. A5 Sava Bridge

**INVESTMENT VALUE:**  
13,1 mil € (a part of bridge in  
RoC)

**SHARE OF THE RoC:**  
5,8 mil €

**SOURCE OF FINANCING:**  
EU fund  
HAC (EIB loan)

**SCHEDULE OF  
CONSTRUCTION:**  
9/2016 – 12/2018

- INVESTMENT DESCRIPTION:**
- construction of 640m interstate bridge over river Sava between RoC and B&H
  - cross border connection of motorways in Corridor Vc
  - removing bottlenecks on the border
  - growth of traffic on the existing sections
  - return of investment with co-financing from EU fund

## 4. DC 12 Vrbovec 2 - Farkaševac

**INVESTMENT VALUE:**  
40,4 mil €

**SHARE OF THE RoC:**  
40,4 mil €

**SOURCE OF FINANCING:**  
HAC (own proceeds)

**SCHEDULE OF  
CONSTRUCTION:**  
5/2009 – 6/2017

**INVESTMENT DESCRIPTION:**

- construction of 11km express road from Vrbovec 2 interchange to Farkaševac municipality as I phase of express road to city of Bjelovar
- better flow of goods, diversion of transit traffic from towns and cities
- there is no toll revenue, but it generates indirect profit



## 5. A3 Lipovljani Interchange

**INVESTMENT VALUE:**  
6,7 mil €

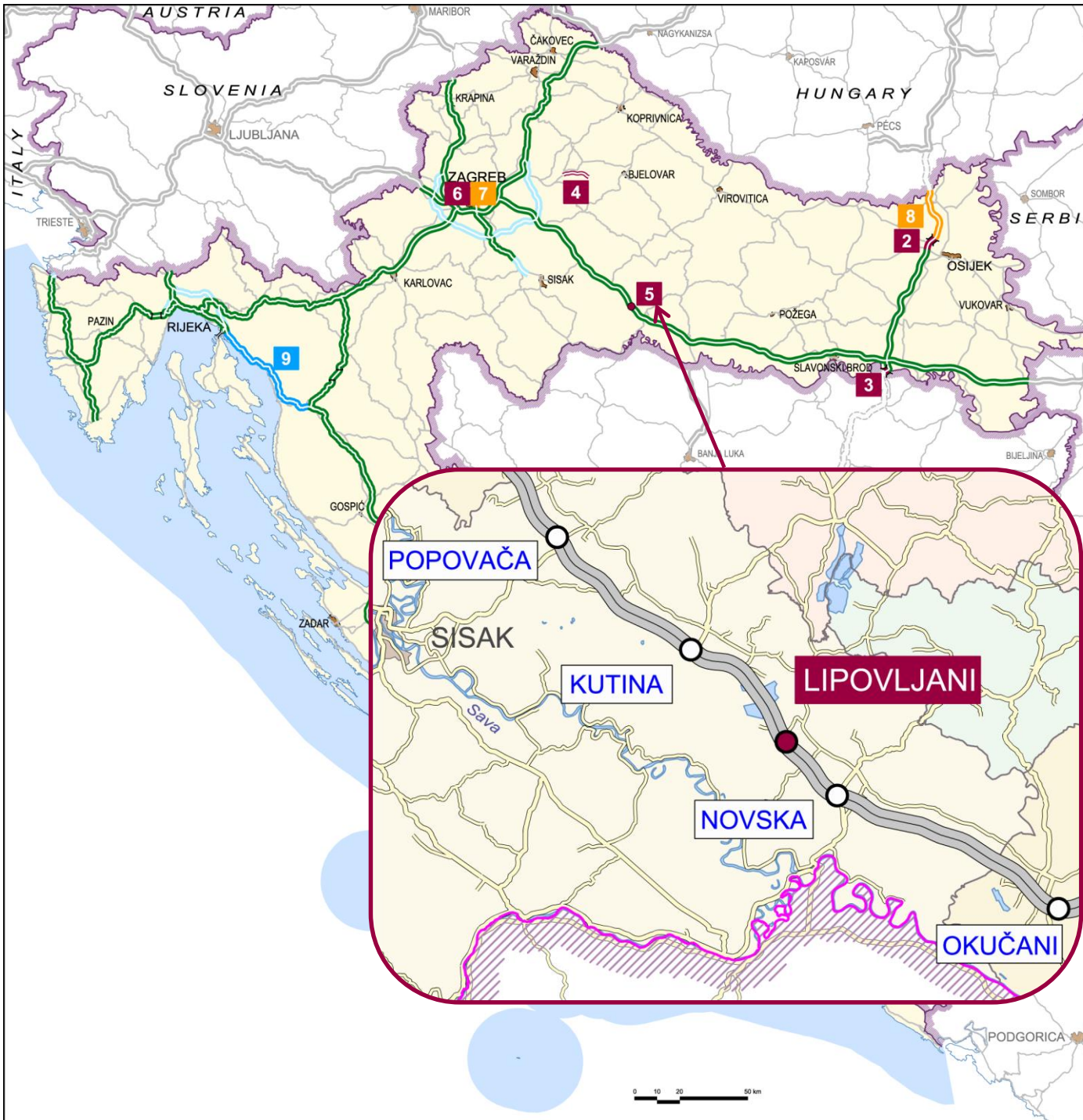
**SHARE OF THE RoC:**  
6,7 mil €

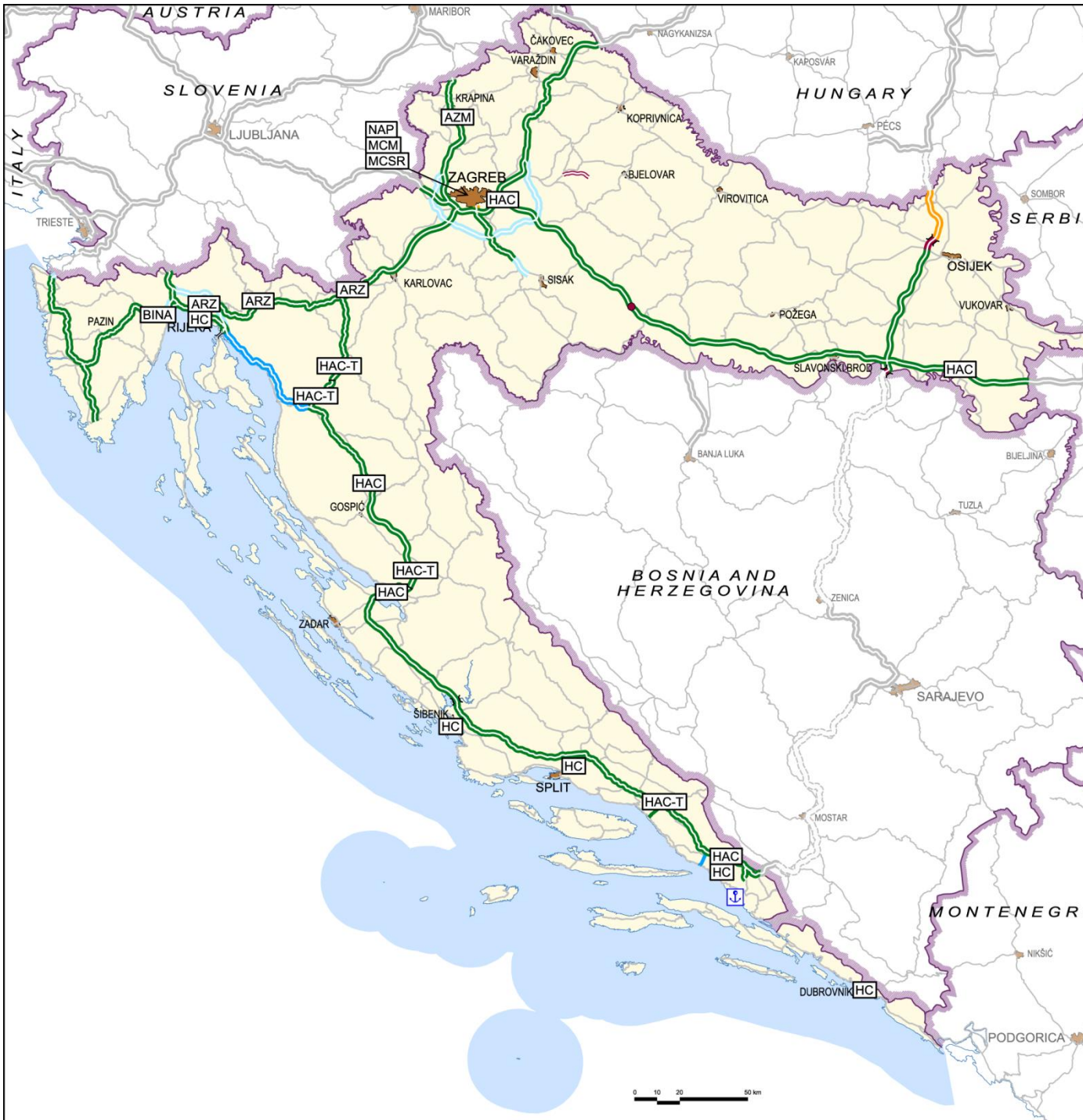
**SOURCE OF FINANCING:**  
HAC (own proceeds)

**SCHEDULE OF CONSTRUCTION:**  
1/2016 – 1/2018

**INVESTMENT DESCRIPTION:**

- connecting Lipovljani municipality and the wider area with the motorway network
- developing business zone in the area of interchange





## 6. Implementation of ITS Directive Crocodile II Croatia

**INVESTMENT VALUE:**  
11,1 mil €

**SHARE OF THE RoC:**  
1,7 mil €

**SOURCE OF FINANCING:**  
EU fund  
operators (HAC, ARZ, AZM,  
BINA ISTRA, HC)

**IMPLEMENTATION:**  
10/2016 – 12/2019

**INVESTMENT DESCRIPTION:**

- implementation of ITS Directive - upgrading the existing systems, National Access Point, Main centres for traffic management on motorways and state roads
- connecting with other countries in the region
- improving services for users

## 7. Link between A11 and Sarajevska Street

**INVESTMENT VALUE:**  
68,0 mil €

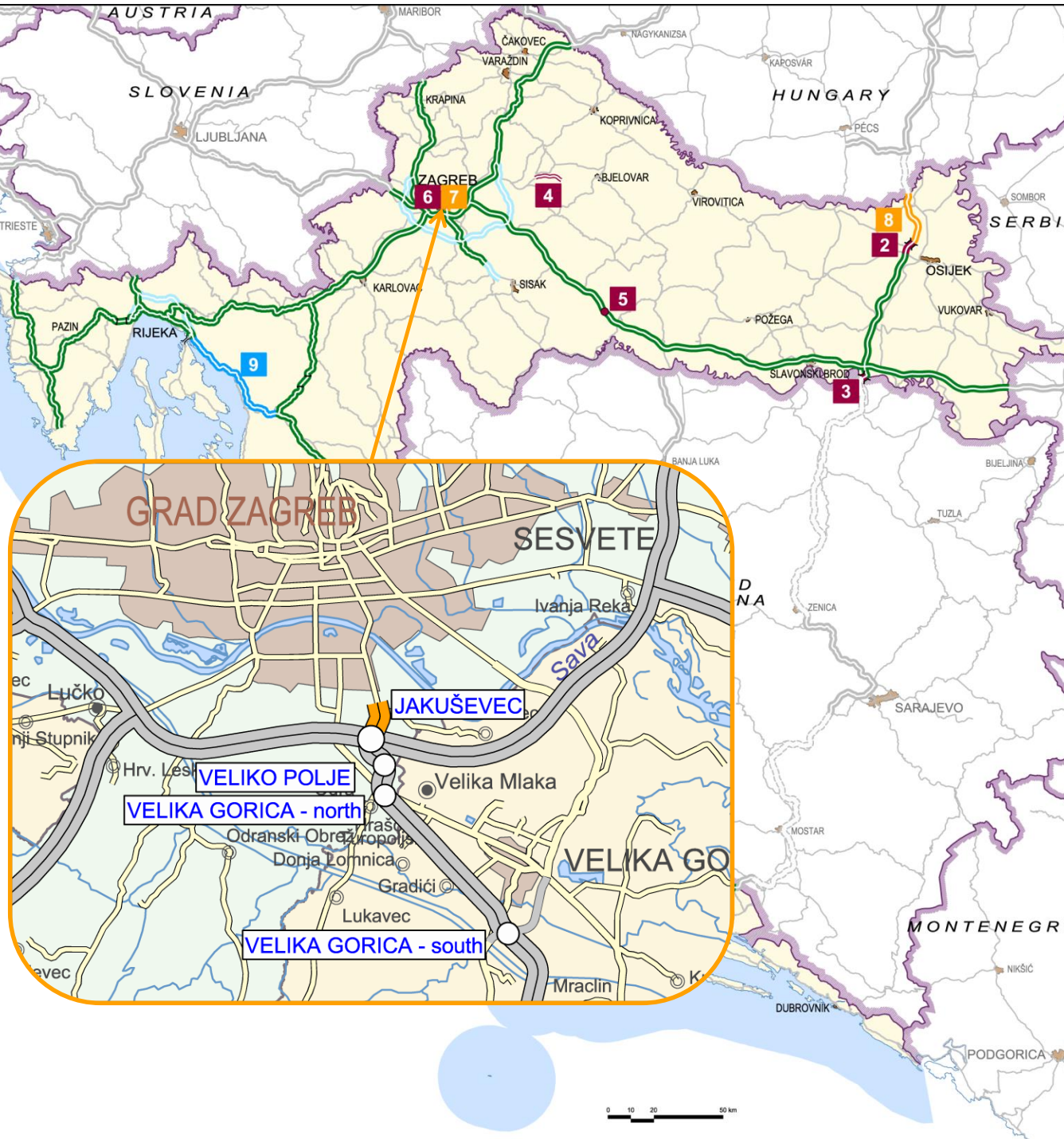
**SHARE OF THE RoC:**  
20,4 mil €

**SOURCE OF FINANCING:**  
EU fund,  
HAC  
City of Zagreb

**SCHEDULE OF CONSTRUCTION:**  
12/2017 – 12/2020

**INVESTMENT DESCRIPTION:**

- construction of 2,2km missing link from Jakuševac interchange to Sarajevska Street which includes 700m Railway Switchyard Overpass
- new entry into the town of Zagreb
- connecting Velika Gorica and Sisak with the town of Zagreb
- there is no toll revenue, but it generates indirect profit



## 8. A5 Border of R. of Hungary - Drava Bridge

**INVESTMENT VALUE:**  
106,0 mil €

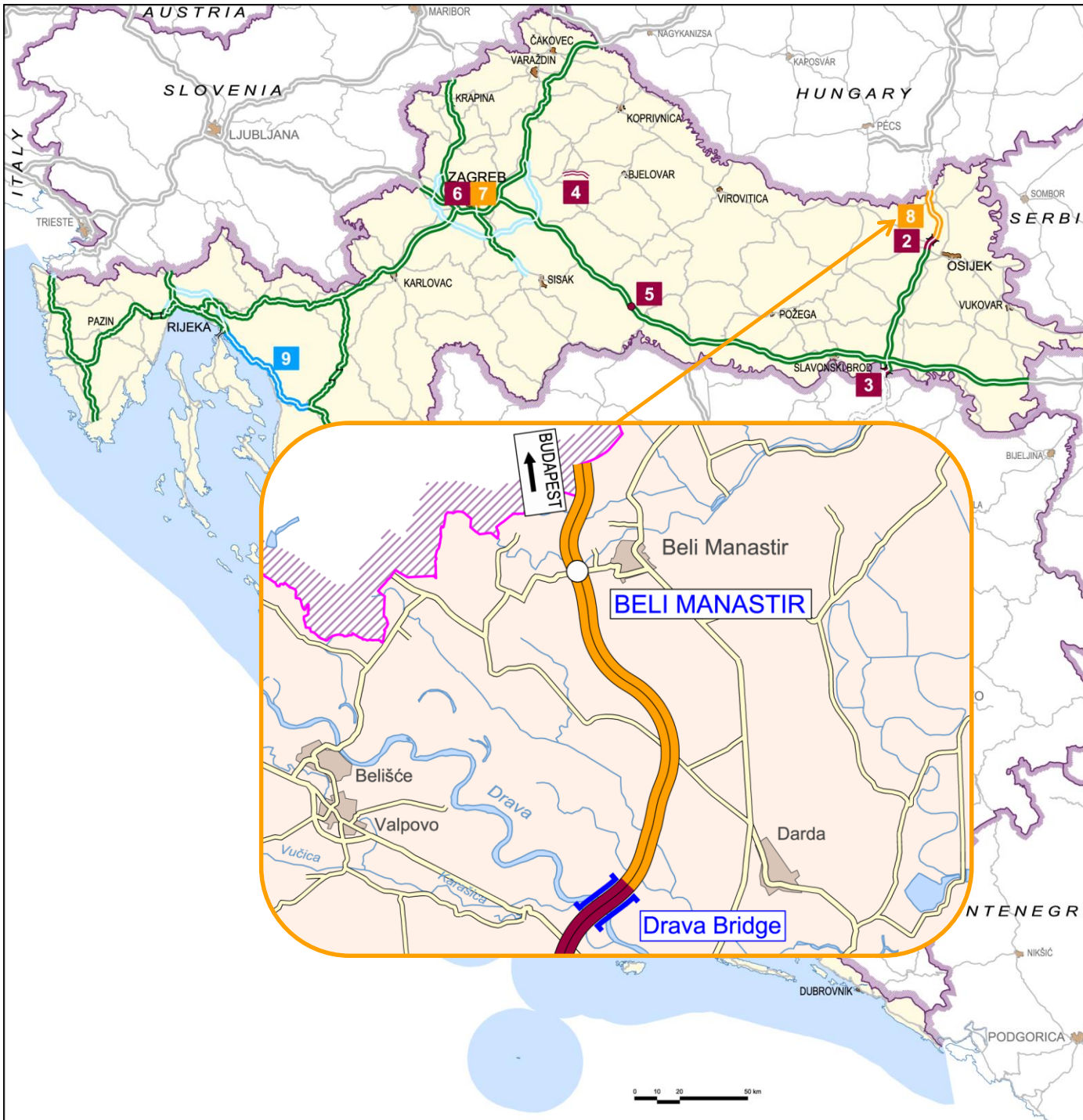
**SHARE OF THE RoC:**  
98,0 mil €

**SOURCE OF FINANCING:**  
EU fund  
HAC

**SCHEDULE OF  
CONSTRUCTION:**  
06/2017 – 12/2020

### INVESTMENT DESCRIPTION:

- construction of 23,3km motorway as final stage of Corridor Vc on the territory of RoC
- connecting with the motorway in the R. of Hungary
- traffic growth on built sections
- return of investment with co-financing from EU fund



## 9.A7 Križišće – Žuta Lokva

**INVESTMENT VALUE:**  
760,0 mil €

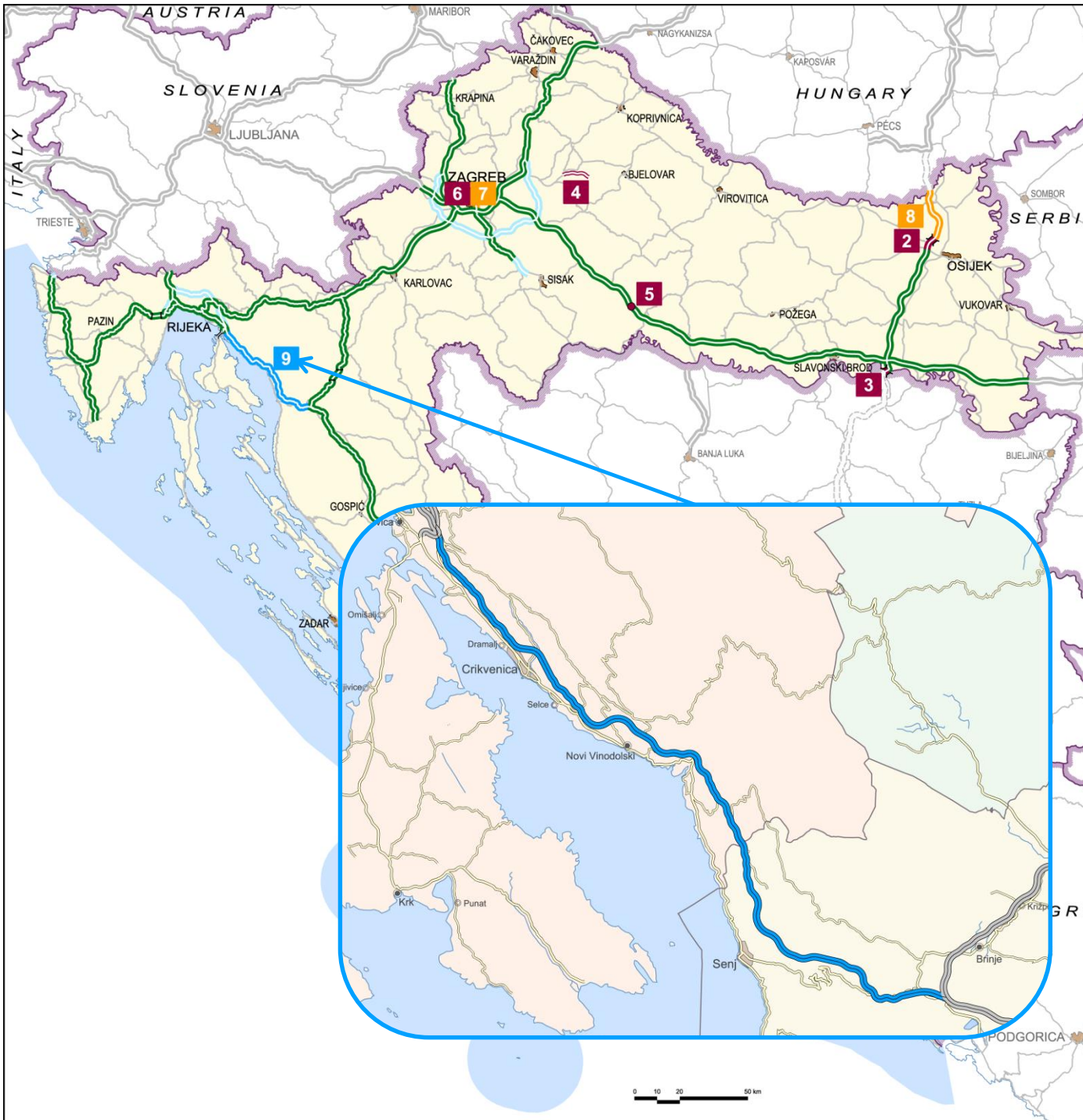
**SHARE OF THE RoC:**  
380,0 mil €

**SOURCE OF FINANCING:**  
EU fund  
HAC

**SCHEDULE OF CONSTRUCTION:**  
2020 – 2023

**INVESTMENT DESCRIPTION:**

- construction 56,5km sector between interchanges Križišće and Žuta Lokva as part of Adriatic-Ionian corridor
- diversion of traffic from the Adriatic highway (reduction of bottlenecks)
- return of investment with the co-financing from EU fund



## 10. Link road A1 – D8 Ravča - Drvenik

**INVESTMENT VALUE:**  
152,0 mil €

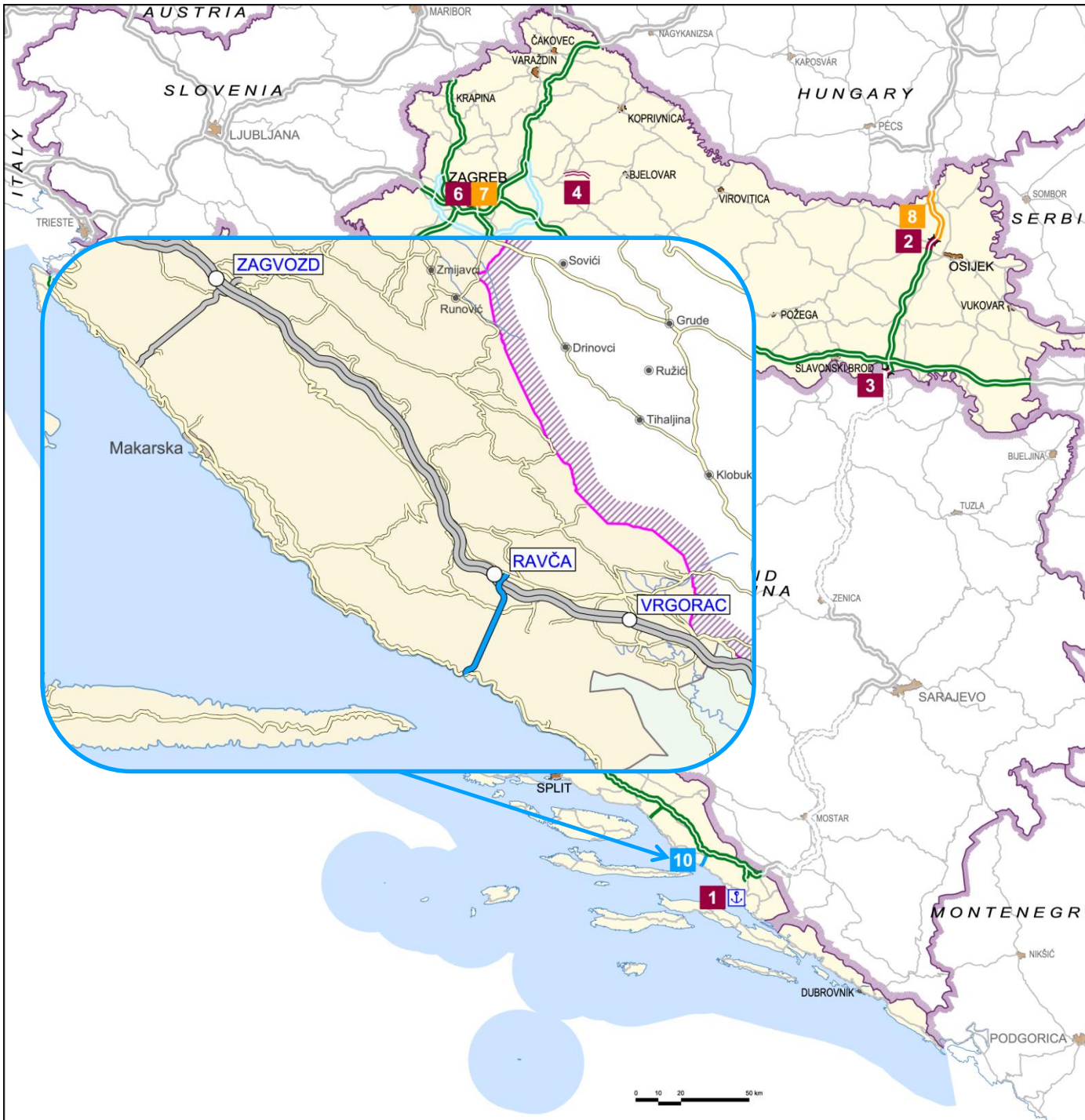
**SHARE OF THE RoC:**  
38,0 mil €

**SOURCE OF FINANCING:**  
EU fund  
HAC, HC, Port Authority

**SCHEDULE OF  
CONSTRUCTION:**  
2020 – 2023

**INVESTMENT DESCRIPTION:**

- construction of 7,1km link road from interchange Ravča to Drvenik Port which includes 5,7km tunnel Drvenik connecting motorway with the Adriatic coast
- development of Drvenik port and connecting with the Adriatic islands
- there is no toll revenue, but it generates indirect profit



## INVESTMENT IN PROGRESS

NAME OF THE PROJECT	INVESTMENT VALUE	SHARE OF THE RoC	SOURCE OF FINANCING	SCHEDULE OF CONSTRUCTION	INVESTMENT DESCRIPTION
Ploče Gateway	8,6 mil €	1,6 mil €	EU fund HAC (own proceeds)	9/2015 - 12/2016	<ul style="list-style-type: none"> <li>- construction of 1,4km link road for connection of Ploče Port with corridor Vc as its final point on the south</li> <li>- connecting Ploče port with other ports in the Adriatic-Ionian corridor</li> <li>- there is no toll revenue, but it generates indirect profit</li> </ul>
A5 Drava Bridge - Osijek	149,7 mil €	149,7 mil €	HAC (loans from KfW and EBRD)	9/2011 - 4/2017	<ul style="list-style-type: none"> <li>- construction of 6,3km section which includes construction of Drava Bridge (2,5km) and 3,8km subsection from Drava Bridge to Osijek interchange</li> <li>- prerequisites for completion of A5 motorway and Corridor Vc in Croatia</li> <li>- connecting Slavonia and Baranya</li> <li>- traffic growth on built motorway sections (when the entire section is completed)</li> </ul>
A5 Sava Bridge	13,1 mil € (a part of bridge in RoC)	5,8 mil €	EU fund HAC (EIB loan)	9/2016 - 12/2018	<ul style="list-style-type: none"> <li>- construction of 640m interstate bridge over river Sava between RoC and B&amp;H</li> <li>- cross border connection of motorways in Corridor Vc</li> <li>- removing bottlenecks on the border</li> <li>- growth of traffic on the existing sections</li> <li>- return of investment with co-financing from EU fund</li> </ul>
DC 12 Vrbovec 2 - Farkaševac	40,4 mil €	40,4 mil €	HAC (own proceeds)	5/2009 - 6/2017	<ul style="list-style-type: none"> <li>- construction of 11km express road from Vrbovec 2 interchange to Farkaševac municipality as I phase of express road to city of Bjelovar</li> <li>- better flow of goods, diversion of transit traffic from towns and cities</li> <li>- there is no toll revenue, but it generates indirect profit</li> </ul>
A3 Lipovljani Interchange	6,7 mil €	6,7 mil €	HAC (own proceeds)	1/2016 - 1/2018	<ul style="list-style-type: none"> <li>- connecting Lipovljani municipality and the wider area with the motorway network</li> <li>- developing business zone in the area of interchange</li> </ul>
Uvođenje ITS Directive Crocodile II Croatia	11,1 mil €	1,7 mil €	EU fund, operators (HAC, ARZ, AZM, BINA ISTRAN, HC)	10/2016 - 12/2019	<ul style="list-style-type: none"> <li>- implementation of ITS Directive - upgrading the existing systems, National Access Point, Main centres for traffic management on motorways and state roads</li> <li>- connecting with other countries in the region</li> <li>- improving services for users</li> </ul>
<b>TOTAL:</b>	<b>229,6 mil €</b>	<b>205,9 mil €</b>			

## INVESTMENT IN PREPARATION

NAME OF THE PROJECT	INVESTMENT VALUE	SHARE OF THE RoC	SOURCE OF FINANCING	SCHEDULE OF CONSTRUCTION	INVESTMENT DESCRIPTION
Link between A11 and Sarajevska Street	68,0 mil €	20,4 mil €	EU fund, HAC, City of Zagreb	12/2017 - 12/2020	<ul style="list-style-type: none"> <li>- construction of 2,2km missing link from Jakuševac interchange to Sarajevska Street which includes 700m Railway Switchyard Overpass</li> <li>- new entry into the town of Zagreb</li> <li>- connecting Velika Gorica and Sisak with the town of Zagreb</li> <li>- there is no toll revenue, but it generates indirect profit</li> </ul>
A5 Border of R. of Hungary - Drava Bridge	106,0 mil €	98,0 mil €	EU fund HAC	6/2017 - 12/2020	<ul style="list-style-type: none"> <li>- construction of 23,3km motorway as final stage of Corridor Vc on the territory of RoC</li> <li>- connecting with the motorway in the R. of Hungary</li> <li>- traffic growth on built sections</li> <li>- return of investment with co-financing from EU fund</li> </ul>
<b>TOTAL:</b>	<b>174,0 mil €</b>	<b>118,4 mil €</b>			

Note: The RoC investment share is shown as estimate

## PLANNED INVESTMENT

NAME OF THE PROJECT	INVESTMENT VALUE	SHARE OF THE RoC	SOURCE OF FINANCING	SCHEDULE OF CONSTRUCTION	INVESTMENT DESCRIPTION
<b>A7 Križišće - Žuta Lokva</b>	<b>760,0 mil €</b>	<b>380,0 mil €</b>	<b>EU fund HAC</b>	<b>2020-2023</b>	<ul style="list-style-type: none"> <li>- construction 56,5km sector between interchanges Križišće and Žuta Lokva as part of Adriatic-Ionian corridor</li> <li>- diversion of traffic from the Adriatic highway (reduction of bottlenecks)</li> <li>- return of investment with the co-financing from EU fund</li> </ul>
<b>Link road A1 – D8 Ravča – Drvenik</b>	<b>152,0 mil €</b>	<b>38,0 mil €</b>	<b>EU fund HAC, HC, Port Authority</b>	<b>2020-2023</b>	<ul style="list-style-type: none"> <li>- construction of 7,1km link road from interchange Ravča to Drvenik Port which includes 5,7km tunnel Drvenik</li> <li>- connecting motorway with the Adriatic coast</li> <li>- development of Drvenik port and connecting with the Adriatic islands</li> <li>- there is no toll revenue, but it generates indirect profit</li> </ul>
<b>TOTAL:</b>	<b>912,0 mil €</b>	<b>418,0 mil €</b>			

Note: The RoC investment share is shown as estimate

## INVESTMENT

INVESTMENT STATUS	INVESTMENT VALUE	SHARE OF THE RoC
INVESTMENT IN PROGRESS	229,6 mil €	205,9 mil €
INVESTMENT IN PREPARATION	174,0 mil €	118,4 mil €
PLANNED INVESTMENT	912,0 mil €	418,0 mil €
<b>TOTAL:</b>	<b>1315,6 mil €</b>	<b>742,3 mil €</b>

**Thank you for your attention**

**Hrvatske autoceste, Design Department**

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