



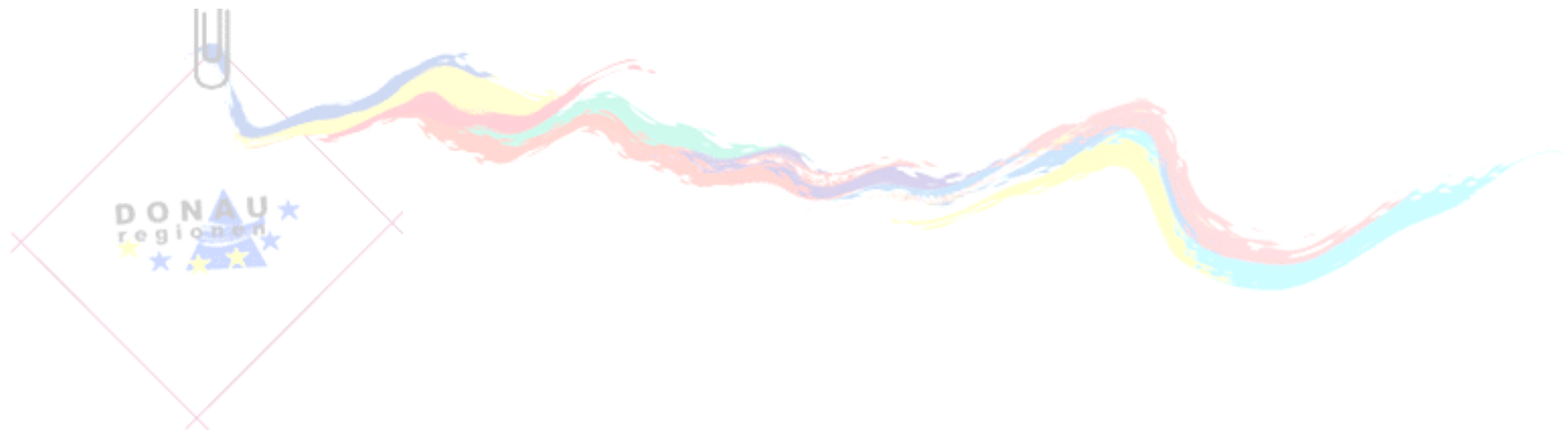
# Typology of regions in the DONAUREGIONEN area

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# The regionalization purpose proposal comes out from:

- **Generally accepted theoretical principles of economic regionalization**
- **Evaluation of each General schemes factors**
- **SWOT analysis, which characterize strengths and weaknesses of the region**



# General typology of regions (by the VISION PLANET)

- **Developed regions**

- **Stabilized regions**

- **Stagnating regions**

- **Depressed regions**



# The ranking process results are presented in the Table below

Natural conditions			SS&HR			Transport			Technical Infrastructure			Economy			Summary				
Ranking	Skupiny	NUTS3 Name	Celkem	Ranking	Skupiny	NUTS3 Name	Celkem	Ranking	Skupiny	NUTS3 Name	Celkem	Ranking	Skupiny	NUTS3 Name	Celkem	Ranking	Skupiny	NUTS3 Name	Celkem
1	Bratislava	Montana	5	1	Bratislava	Bucuresti	4	1	Bratislava	Bucuresti	6	1	Bratislava	Bratislava	2	1	Bratislava	Bratislava	20
	Nitra	Trnava	3		Bucuresti	Budapest	2		Bucuresti	Budapest	1		Bucuresti	Budapest	3		Budapest	Budapest	42
	Vratsa		1		Budapest	Grad Beograd	1		Budapest	Grad Beograd	1		Budapest	Győr-Moson-Sopron	1		Győr-Moson-Sopron	Győr-Moson-Sopron	38
			5		Grad Beograd	Južno-bački	3		Fejér	Komárom-Esztergom	5		Fejér	Győr-Moson-Sopron	4		Bács-Kiskun	Bács-Kiskun	85
2	Bács-Kiskun	Borski	8	2	Bács-Kiskun	Borski	11	2	Bács-Kiskun	Borski	4	2	Bács-Kiskun	Borski	4	2	Bács-Kiskun	Borski	89
	Baranya	Calarasi	12		Baranya	Calarasi	15		Baranya	Calarasi	17		Baranya	Calarasi	7		Bucuresti	Bucuresti	75
	Giurgiu	Constanta	17		Braila	Constanta	16		Braila	Constanta	21		Braila	Constanta	21		Constanta	Constanta	98
	Győr-Moson-Sopron	Olt	18		Giurgiu	Dolj	8		Giurgiu	Dolj	14		Giurgiu	Dolj	7		Grad Beograd	Grad Beograd	77
	Pleven	Razgrad	19		Fejér	Galati	7		Fejér	Galati	16		Fejér	Galati	10		Ilfov	Ilfov	99
	Silistra	Tolna	8		Galati	Győr-Moson-Sopron	13		Galati	Győr-Moson-Sopron	10		Galati	Győr-Moson-Sopron	20		Južno-bački	Južno-bački	81
	Tulcea	Veliko Tarnovo	6		Podunavlje	Ialomita	6		Podunavlje	Ialomita	15		Podunavlje	Ialomita	8		Komárom-Esztergom	Komárom-Esztergom	72
	Vidin		11		Ruse	Ilfov	18		Ruse	Ilfov	7		Ruse	Ilfov	11		Nitra	Nitra	86
			14		Ilfov	Komárom-Esztergom	17		Ilfov	Komárom-Esztergom	5		Ilfov	Komárom-Esztergom	14		Pest	Pest	59
			15		Mehedinti	Ruse	19		Mehedinti	Ruse	8		Mehedinti	Ruse	18		Pleven	Pleven	70
			16		Pest	Veliko Tarnovo	9		Pest	Veliko Tarnovo	14		Pest	Veliko Tarnovo	22		Ruse	Ruse	59
			9		Ruse		10		Ruse		33		Ruse		9		Tolna	Tolna	100
3	Baranya	Braila	25	3	Borski	Braila	34	3	Borski	Braila	30	3	Borski	Braila	32	3	Trnava	Trnava	68
	Branicevski	Budapest	24		Calarasi	Bucuresti	28		Calarasi	Bucuresti	22		Calarasi	Bucuresti	13		Veliko Tarnovo	Veliko Tarnovo	82
	Caras-Severin	Constanta	22		Braila	Constanta	32		Braila	Constanta	38		Braila	Constanta	19		Vratsa	Vratsa	89
	Dolj	Fejér	37		Giurgiu	Dolj	23		Giurgiu	Dolj	29		Giurgiu	Dolj	16				140
	Galati	Južno-bački	29		Južno-banatski	Bucuresti	25		Južno-banatski	Bucuresti	31		Južno-banatski	Bucuresti	32		Borski	Borski	131
	Komárom-Esztergom	Mehedinti	36		Montana	Constanta	40		Montana	Constanta	35		Montana	Constanta	30		Calarasi	Calarasi	132
	Pest	Srednje-banatski	30		Nitra	Dolj	27		Nitra	Dolj	36		Nitra	Dolj	27		Caras-Severin	Caras-Severin	150
	Srednje-banatski	Teleorman	26		Podunavlje	Constanta	29		Podunavlje	Constanta	21		Podunavlje	Constanta	36		Dolj	Dolj	116
	Sremski	Teleorman	27		Razgrad	Ialomita	30		Razgrad	Ialomita	26		Razgrad	Ialomita	23		Galati	Galati	131
	Teleorman	Zapadno-bački	20		Srednje-banatski	Mehedinti	37		Srednje-banatski	Mehedinti	35		Srednje-banatski	Mehedinti	29		Giurgiu	Giurgiu	133
			23		Teleorman	Montana	38		Teleorman	Montana	27		Teleorman	Montana	33		Ialomita	Ialomita	155
			23		Teleorman	Nitra	33		Teleorman	Nitra	26		Teleorman	Nitra	33		Južno-banatski	Južno-banatski	136
			23		Teleorman	Razgrad	33		Teleorman	Razgrad	37		Teleorman	Razgrad	23		Mehedinti	Mehedinti	139
			23		Teleorman	Srednje-banatski	31		Teleorman	Srednje-banatski	28		Teleorman	Srednje-banatski	33		Montana	Montana	112
			23		Teleorman	Teleorman	36		Teleorman	Teleorman	27		Teleorman	Teleorman	33		Podunavlje	Podunavlje	156
			23		Teleorman	Tolna	25		Teleorman	Tolna	37		Teleorman	Tolna	25		Razgrad	Razgrad	111
			23		Teleorman	Trnava	34		Teleorman	Trnava	28		Teleorman	Trnava	35		Silistra	Silistra	120
			23		Teleorman	Tulcea	39		Teleorman	Tulcea	39		Teleorman	Tulcea	35		Sremski	Sremski	143
			23		Teleorman	Vidin	22		Teleorman	Vidin	32		Teleorman	Vidin	31		Tulcea	Tulcea	138
			23		Teleorman	Veliko Tarnovo	39		Teleorman	Veliko Tarnovo	40		Teleorman	Veliko Tarnovo	37		Vidin	Vidin	124
4	Bucuresti	Grad Beograd	38		Veliko Tarnovo	Vratsa	21		Veliko Tarnovo	Vratsa	18		Veliko Tarnovo	Vratsa	40		Zapadno-bački	Zapadno-bački	133
	Grad Beograd	Ialomita	39		Vratsa	Zapadno-bački	36		Vratsa	Zapadno-bački	19		Vratsa	Zapadno-bački	42				170
	Ialomita	Ilfov	42		Zapadno-bački		20		Zapadno-bački		24		Zapadno-bački		41		Branicevski	Branicevski	160
	Ilfov	Podunavlje	41	4	Branicevski	Galati	42	4	Branicevski	Galati	42	4	Branicevski	Galati	39	4	Olt	Olt	169
	Podunavlje		40		Vidin	Olt	41		Vidin	Olt	41		Vidin	Olt	40		Srednje-banatski	Srednje-banatski	169
			40		Vidin		41		Vidin		41		Vidin		40		Teleorman	Teleorman	163

Group	Interval
1	< 55,75
2	55,75 - 106,49
3	106,50 - 157,24
4	> 157,24

Group	Interval
1	< 78,75
2	78,75 - 150,49
3	150,50 - 222,24
4	> 222,24

Group	Interval
1	< 78,75
2	78,75 - 150,49
3	150,50 - 222,24
4	> 222,24

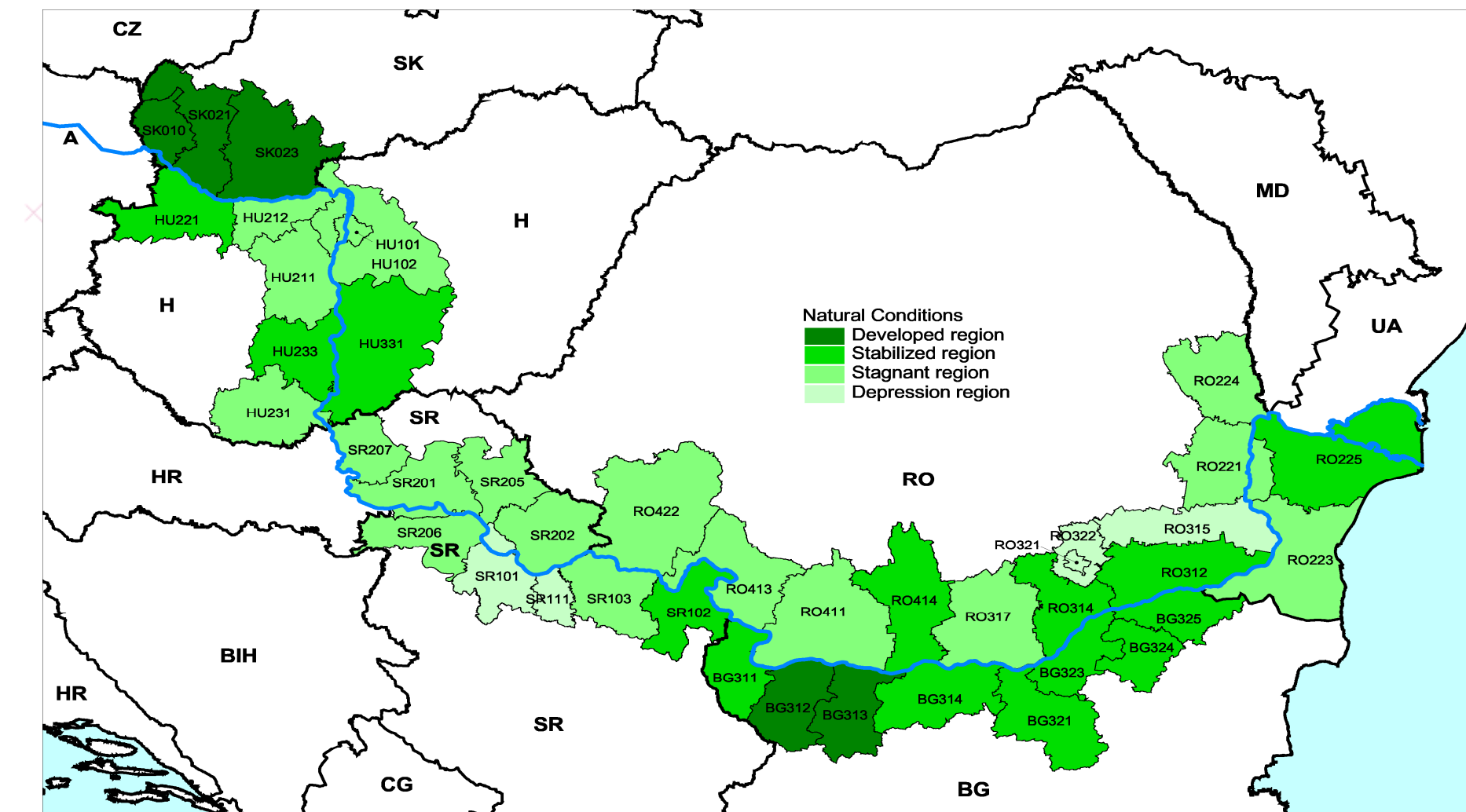
Group	Interval
1	< 33,75
2	33,75 - 64,49
3	64,50 - 95,24
4	> 95,24

Group	Interval
1	< 45,00
2	45,00 - 85,99
3	86,00 - 126,99
4	> 126,99

Group	Interval
1	< 55,25
2	55,25 - 107,49
3	107,50 - 158,74
4	> 158,74

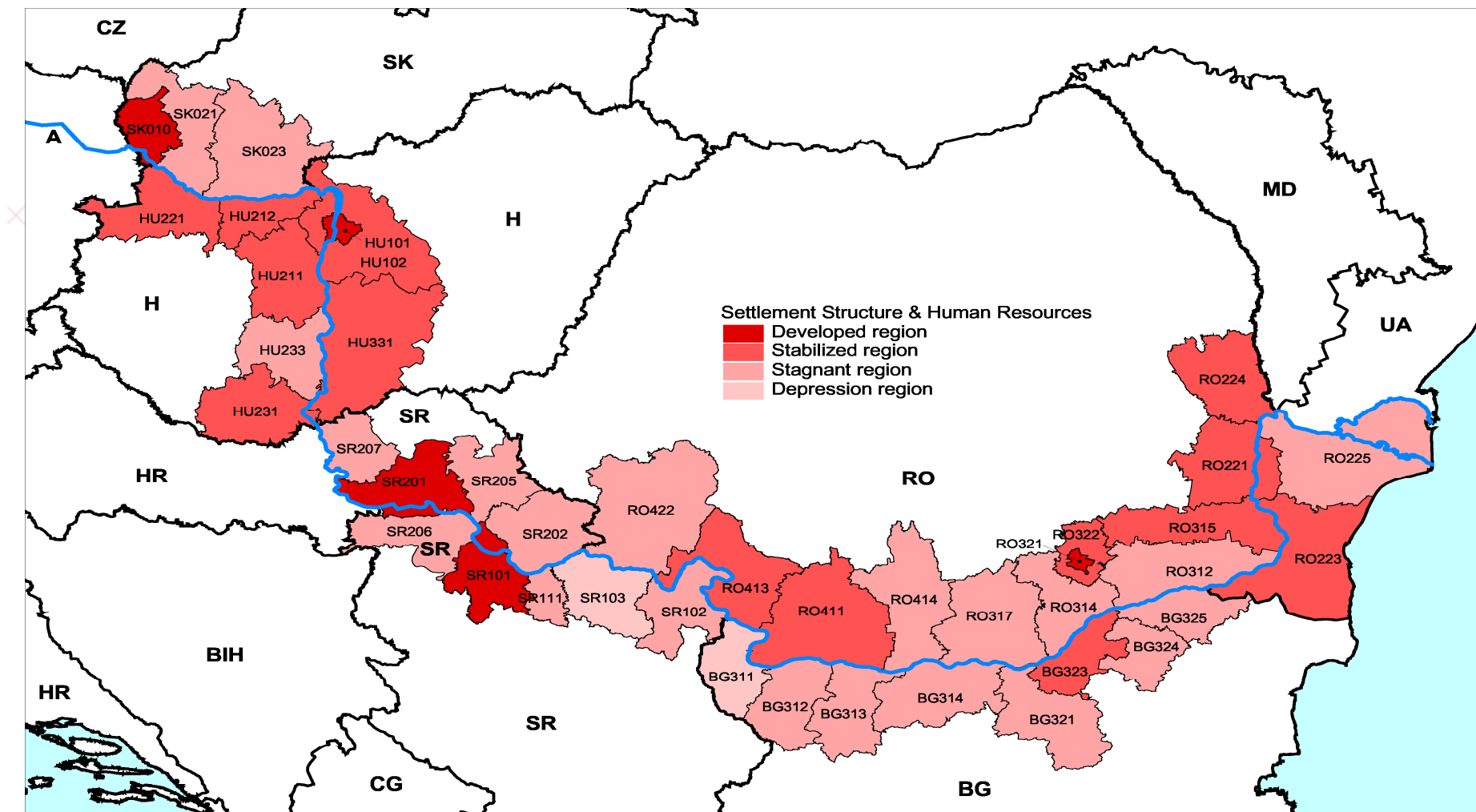
# The ranking process results by the different General scheme are presented in the maps

## Natural Conditions



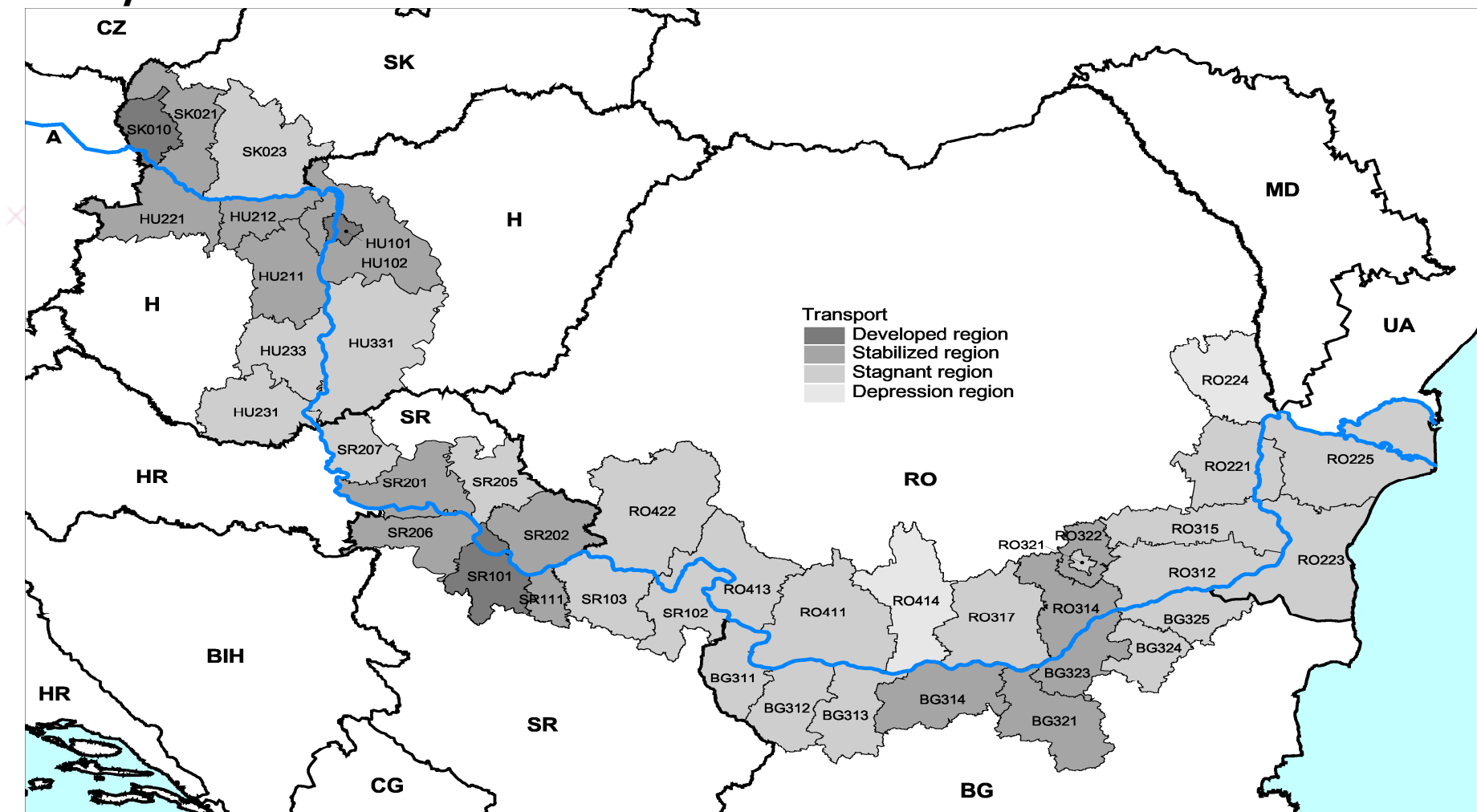
# The ranking process results by the different General scheme are presented in the maps

## Settlement Structure & Human Resources



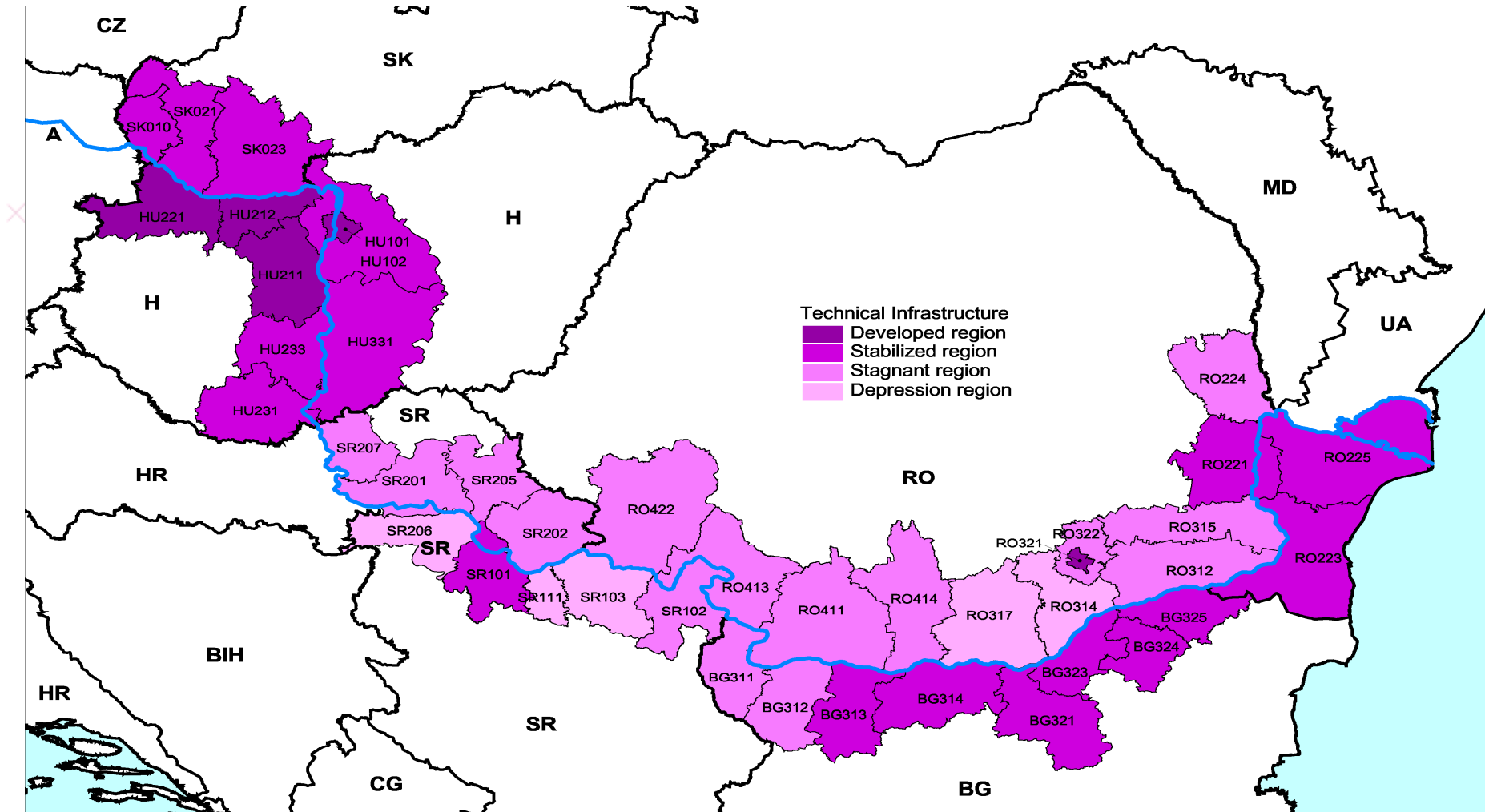
# The ranking process results by the different General scheme are presented in the maps

## Transport



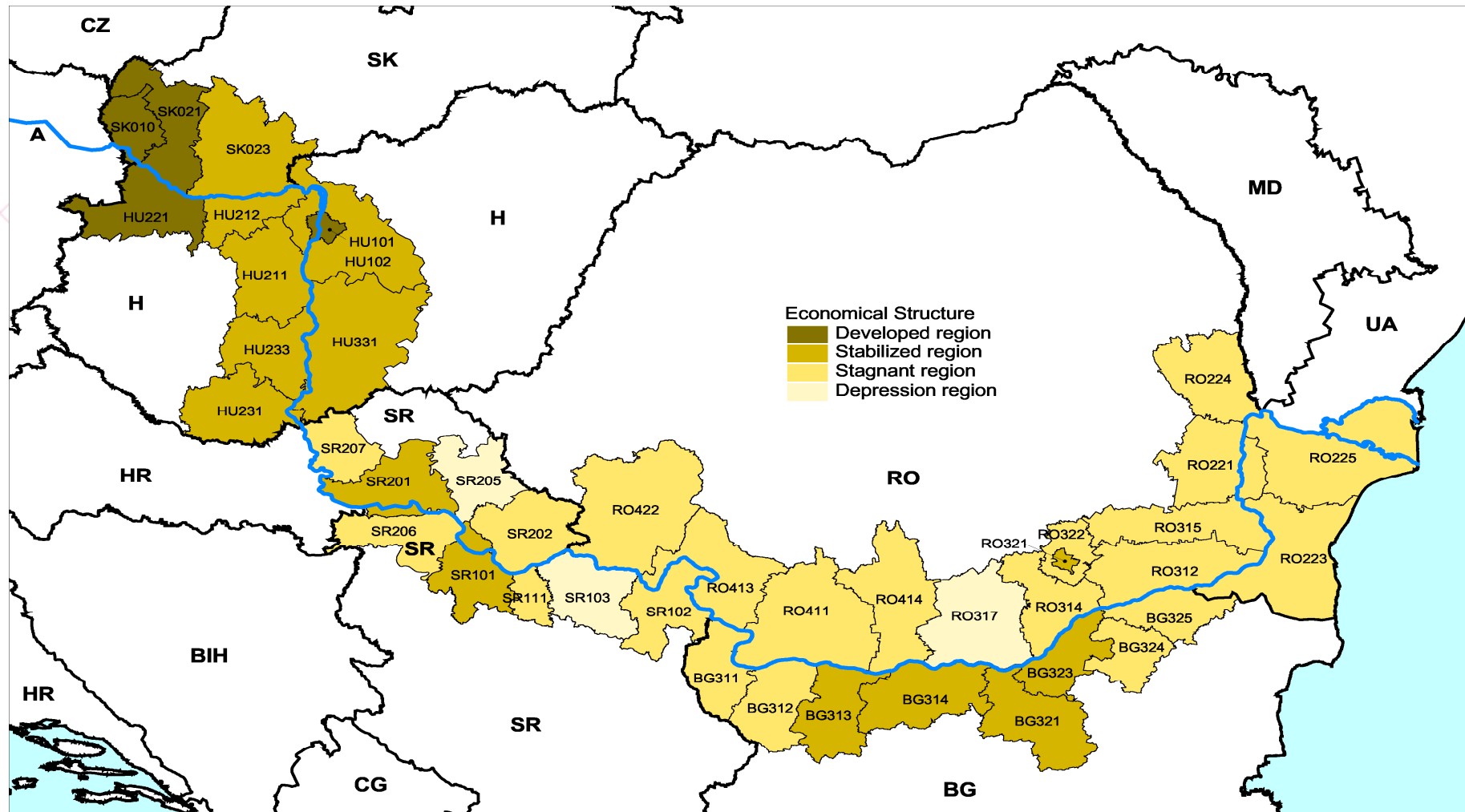
# The ranking process results by the different General scheme are presented in the maps

## Technical infrastructure



# The ranking process results by the different General scheme are presented in the maps

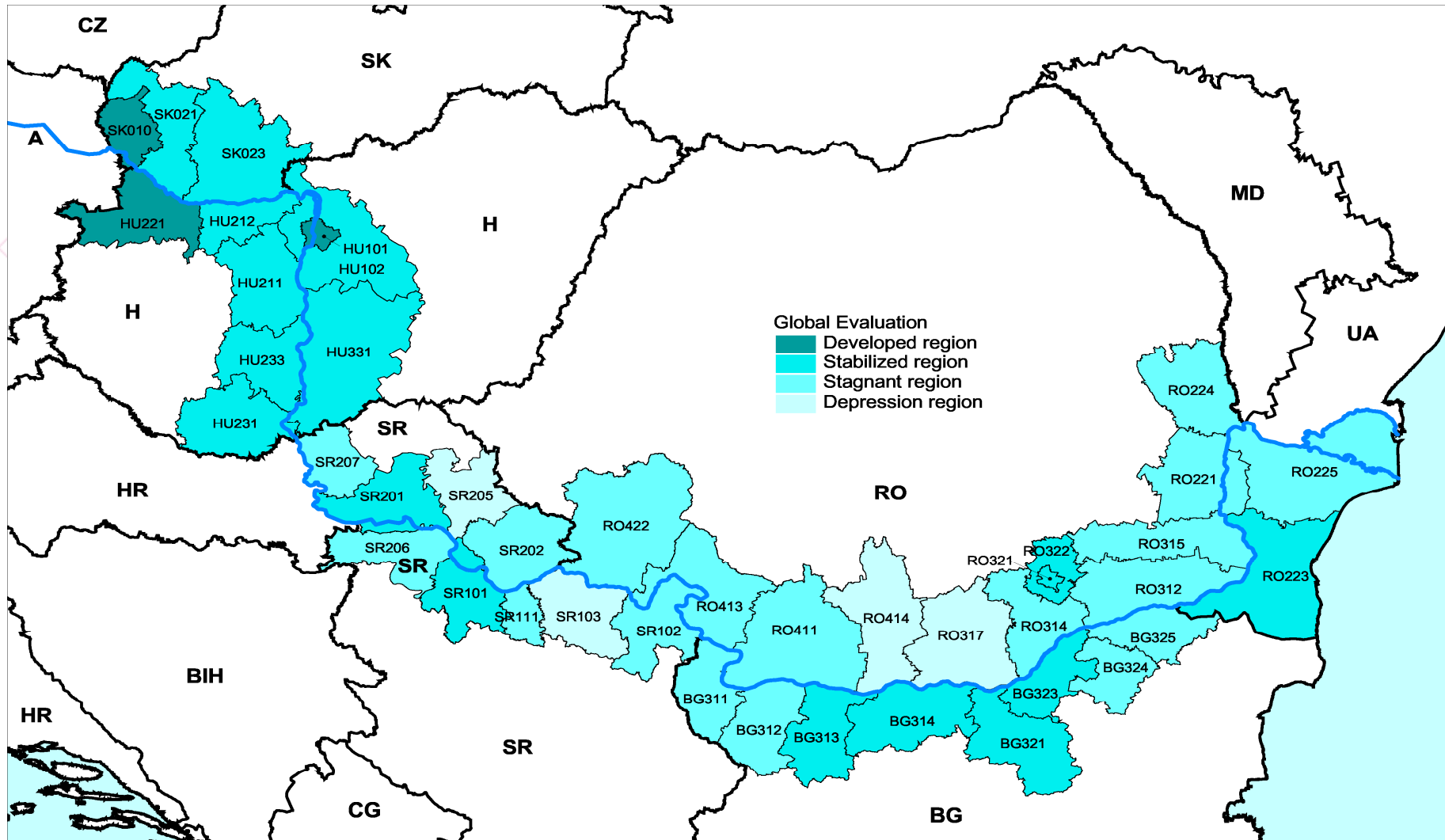
## *Economy*



# We identify four types of regions as follow:

<b>1<sup>st</sup> group – developed region</b>	<b>Bratislava, Budapest, Győr-Moson-Sopron</b>
<b>2<sup>nd</sup> group – stabilized region</b>	<b>Bács-Kiskun, Baranya, Bucuresti, Constanta, Fejér, Grad Beograd, Ilfov, Južno-bački, Komárom-Esztergom, Nitra, Pest, Plevén, Ruse, Tolna, Trnava, Veliko Tarnovo, Vratsa</b>
<b>3<sup>rd</sup> group – stagnant region</b>	<b>Borski, Braila, Calarasi, Caras-Severin, Dolj, Galati, Giurgiu, Ialomita, Južno-banatski, Mehedinti, Montana, Podunavlje, Razgrad, Silistra, Sremski, Tulcea, Vidin, Zapadno-bački</b>
<b>4<sup>th</sup> group – depression region</b>	<b>Braničevski, Olt, Srednje-banatski, Teleorman</b>

# The typology of Region according summary evaluation



# The regionalization purpose and typology of regions

## SWOT analysis of DONAUREGIOEN regions



- **Strengths**

- **Weaknesses**

# The Groups, in accordance with summary evaluation, have following main characteristics

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## *Developed regions (1st Group)*

- Economic potential with diversified economic structure aimed at sophisticated production and services
- Human and innovated potential quality
- High level of territory urbanization and settlement facility in region
- Polycentric settlement character
- Region accessibility, location on multimodal corridors
- High level of landscape protection and presence of air, water and soil pollution sources
- Sufficient of own (internal) sources for development

# The Groups, in accordance with summary evaluation, have following main characteristics

## ***Stabilized regions (2nd Group)***

- Industry branches make the economic basis
- Labour force availability (quantitative and qualitative)
- Sufficient transport infrastructure facilities (area has high transport infrastructure capacity)
- Settlement system is characterized by high share of small municipalities – it influences on territory facilities and causing the migration
- Lower grade of concentration of air, water and soil pollution sources

# The Groups, in accordance with summary evaluation, have following main characteristics

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## ***Stagnating regions (3rd Group)***

- Decrement of traditional economic basis branches in the region
- Not enough dynamic change to new economic structure,
- Dispose of human potential
- Dispose of basic transport and technical infrastructure
- Settlement structure is relatively stabile without any significant population migration
- Natural conditions in good health – lower air, water and soil pollution level

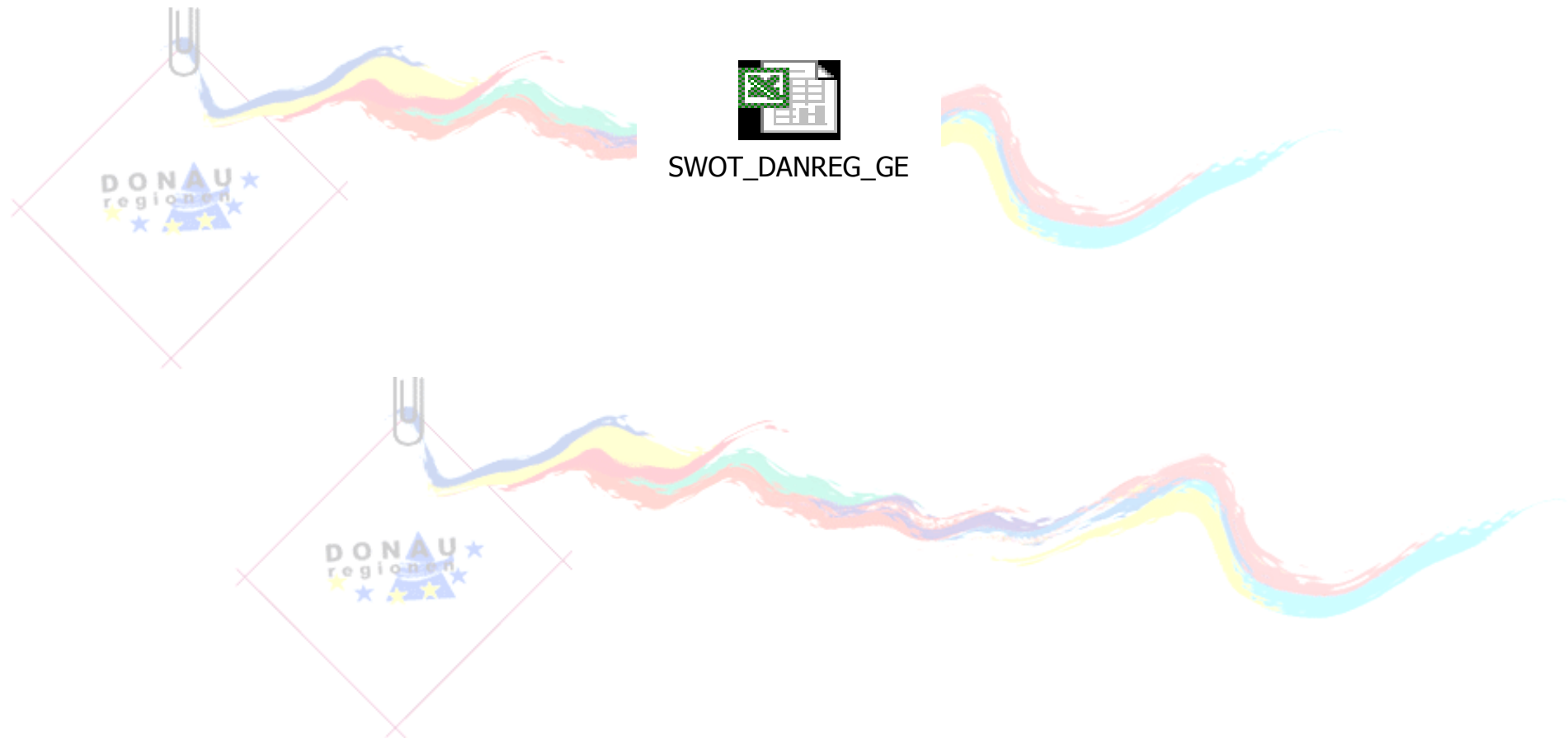
# The Groups, in accordance with summary evaluation, have following main characteristics

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## ***Depressed regions (4th Group)***

- Main factor of economic development is low level of economic basis diversification, strong market conditions changes sensitivity
- Economic basis decrement cause population migration (mainly young people with higher qualification)
- Making worse of demographic structure, ageing of population
- Many of small municipalities with population decreasing
- Low transport accessibility and technical infrastructure facilities in region
- Natural conditions in good health with new functional utilization attractiveness
- Lack of internal development sources

# Detailed SWOT analysis



# Typology of regions - document contents

- **estimate of region categories to the groups in dependence on position, which they reached by summary evaluation**
- **development potentiation summary evaluation of DONAUREGIONEN area in each partner countries by SWOT analysis**
  - **identification of region *strengths***
  - **identification of region *weaknesses***

# The scope of problems for each group are as follows:

## *1st Group*

- **energy dependency**
- **rusty infrastructure of drinking water**
- **overloaded by monocentric economic structure**
- **lack of skilful labour force (for innovative industrial companies)**



# The scope of problems for each group are as follows:

## ***2nd Group***

- energy dependency
- rusty infrastructure of drinking water
- some of regions have typical agglomeration problems (neighbourhood with very developed region)
- significant regional disparities
- lack of skilful labour force (for innovative industrial companies)
- change of industrial structure
- general problems with agricultural sector
- lack of capital
- quality of transport infrastructure
- air pollution
- coast area erosion
- migration of qualified/educated labour force
- highly rural regions



# The scope of problems for each group are as follows:

## ***3rd Group***

- quality of transport infrastructure
- lack of investments
- access to public sewage network
- air pollution
- negative housing situation
- rusty infrastructure of drinking water
- non sufficient qualified of labour force
- poverty in some part of regions
- decrease of population
- decrease of birth rate
- damage of forest areas
- soil erosion
- poor quality of tourist infrastructure

# The scope of problems for each group are as follows:

## *4th Group*

- **quality of transport infrastructure**
- **rusty infrastructure of drinking water**
- **access to public sewage network**
- **poverty in some part of regions**
- **soil erosion**
- **air pollution**



## Each type of regions have differentiated regional and territory planning policy focused on:

- **Creating of social economic development conditions**
- **Territory arrangement with emphasis on facilities and accessibility of the regions**
- **Support of polycentric settlement system**
- **Support of creation and protection of the environment**



**Thank you for your attention**

