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Giurgiulesti International Free Port

‘Challenges and opportunities for planning and industrial safety of port operations, including coordination across borders Republic of Moldova’

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Seminar on Land-Use Planning and Industrial Safety

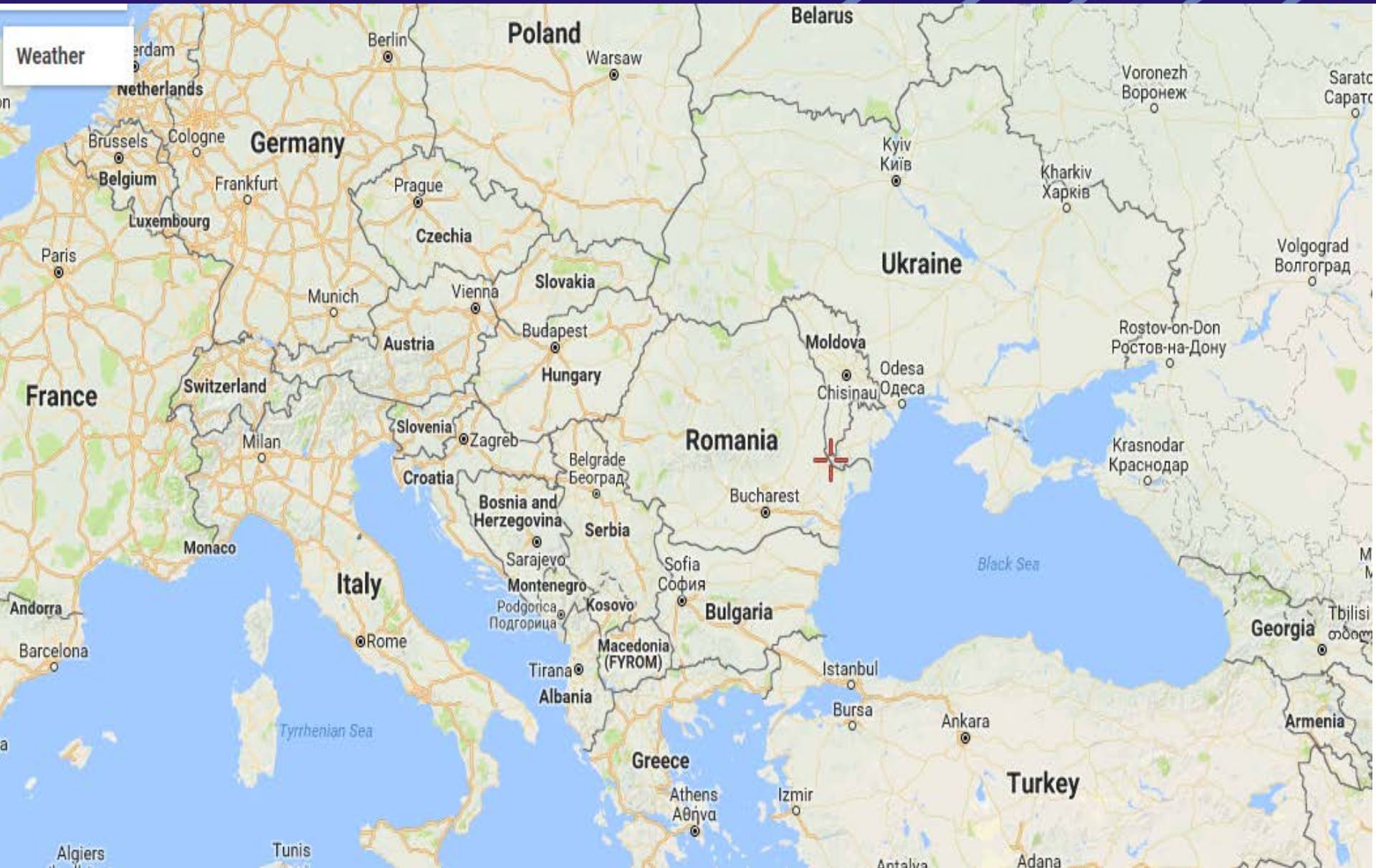
16-17 May, 2018

Mechelen, Belgium



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Giurgiulesti International Free Port





- Black Sea & Danube Port (km 133.8)
- Multi-modal Logistics Centre
- Business Park - Free Port Status until 2030
- Land-120 ha
- > 60 Residents
- Ca. 450 Employees
- Investment: USD > 60 mln



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Photo source: wallpapers-best.com

- The locality is in the most southern point of Republic of Moldova, at the confluence of the river Prut with the Danube, on the border with Romania and Ukraine.
- The commune consists of one village, Giurgiulești.
- Giurgiulești has a population of 2866 inhabitants



Legislative framework on land use planning:

Legal framework for environmental assessment and / or other forms of environmental control processes related to land use and the placement of objects plans for hazardous activities in Republic of Moldova:

- Land Code Nr. 3 of 02.02.2009,
- **LAW Nr. 835 from 17.05.1996 on the Fundamentals of Urban and Territorial Development**
- Decision no. 949 from 11.25.2013 approving the Regulation on Sanitary protection areas of water intakes
- Decision no. 606 of 02.09.2015 approving Sanitary Regulations on employee health protection and associated risks from petrol stations operation
- **Government Decision Nr. 56 from 06.02.2017 on the National Consilium for the territory planning.**
- **Law Nr. 185 from 21.09.2017** Ecological requirements towards planning, design, location, construction and operation of the objects, edifices and facilities which influence the state of the land.



Legislative framework on land use planning

The approach of the Republic of Moldova is based on the application of safety distances and the definition of safety zones.





Sanitary Regulations on employee health protection and associated risks from petrol stations operation - 2015

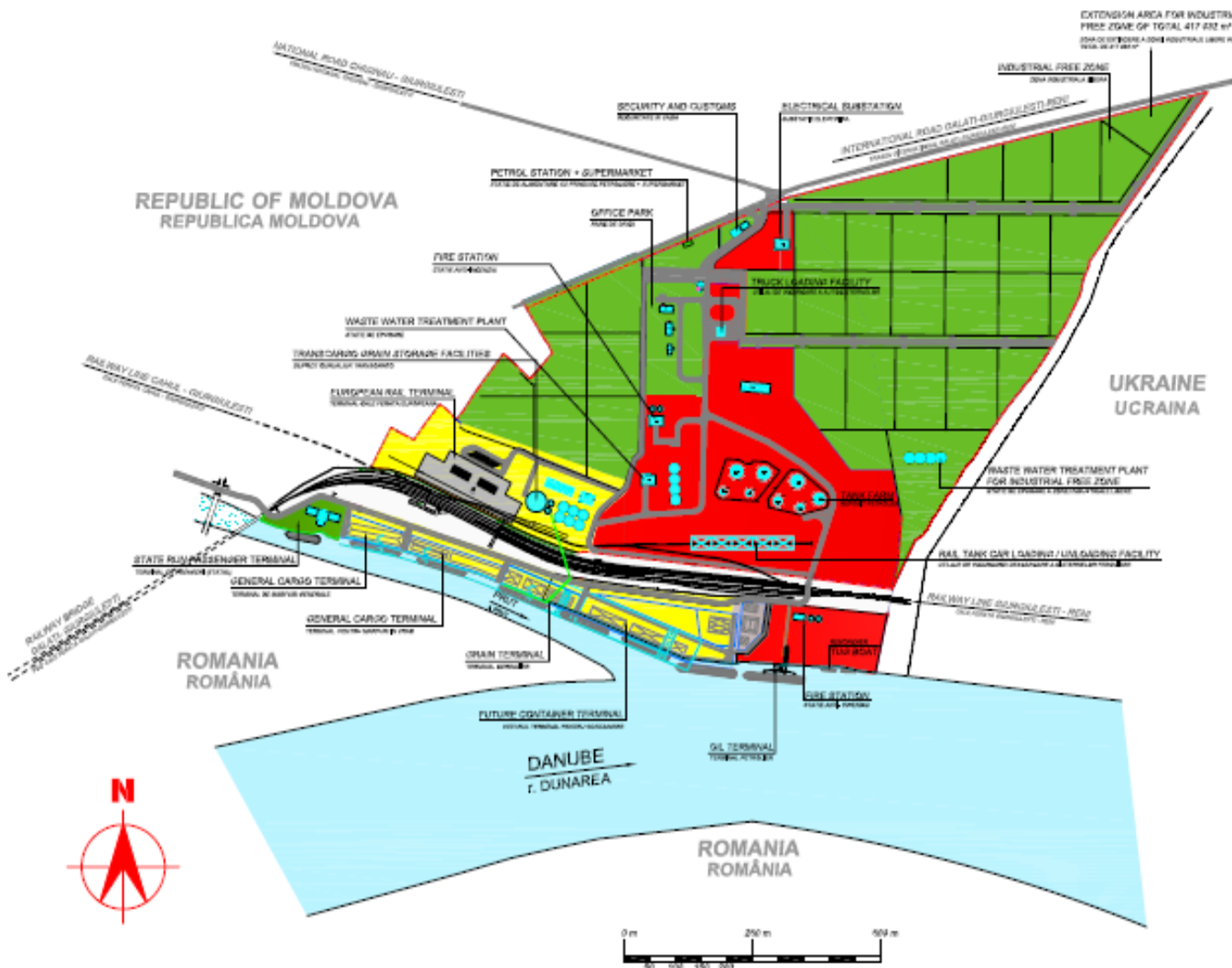
Definition :

Sanitary protection zone - special territory with a strict regime of use - which is identified as the boundary of the enclosed area of installations and the production facilities that indicate the source of environmental pollution and health risks to the population;





GIURGIULESTI INTERNATIONAL FREE PORT PORTUL INTERNATIONAL LIBER GIURGIULESTI



I. ZONĂ CU GRAD SPORET DE PERICOL	ЗОНА ПОВИСОКОГО ОПАСНОСТІ	HIGH RISK ZONE
PERICOL	ПЕРИКИ (ОПАСНОСТІ)	PERICOLI (DANGERS)
Pericol de explozie	Ризик вибуху	Explosion hazard
Pericol de împănare	Можливість опантання	Tripping hazard
Pericol de cădere de la înălțime	Ризик висоти, ризик висоти	Risk of falling from height
Pericol de alunecare	Слизька поверхня	Slippery surface
Pericol de electrocutare	Джерело високої напруги	Caution: High voltage
MĂSURI DE PREVENIRE	МІРИ ПЕРЕДУПРЕЖДЕННЯ	MEASURES OF PREVENTION
Accesul este permis doar persoanelor autorizate	Доступ дозволено лише авторизованим особам	Authorized personnel only
Permisul de fumat și folosirea flăcării este interzisă	Заборонено курити та використовувати відкритий вогонь	No smoking or open flame
Interzis folosirea telefonului mobil	Заборонено використання мобільного телефону	Use of mobile phones prohibited
Accesul este permis cu condiția să poarte căștile de protecție	Доступ до території портів дозволено за умови носіння захисних касок	Safety helmets must be worn in this area
Accesul este permis cu condiția să poarte vestele de protecție	Доступ до території портів дозволено за умови носіння захисних жилетів	Safety vests must be worn
No storage Pericol	Заборонено зберігати матеріали	Danger: Do not touch

II. ZONĂ CU GRAD MEDIU DE PERICOL	ЗОНА ОПАСНОСТІ	MEDIUM RISK ZONE
PERICOL	ПЕРИКИ (ОПАСНОСТІ)	PERICOLI (DANGERS)
Avertizare	Небезпека	Warning: Suspended loads
Pericol de împănare	Можливість опантання	Tripping hazard
Pericol de cădere de la înălțime	Ризик висоти, ризик висоти	Risk of falling from height
Pericol de alunecare	Слизька поверхня	Slippery surface
Pericol de electrocutare	Джерело високої напруги	Caution: High voltage
MĂSURI DE PREVENIRE	МІРИ ПЕРЕДУПРЕЖДЕННЯ	MEASURES OF PREVENTION
Accesul este permis doar persoanelor autorizate	Доступ дозволено лише авторизованим особам	Authorized personnel only
Accesul este permis cu condiția să poarte căștile de protecție	Доступ до території портів дозволено за умови носіння захисних касок	Safety helmets must be worn in this area
Accesul este permis cu condiția să poarte vestele de protecție	Доступ до території портів дозволено за умови носіння захисних жилетів	Safety vests must be worn
No storage Pericol	Заборонено зберігати матеріали	Danger: Do not touch

III. ZONĂ CU GRAD REDU DE PERICOL	ЗОНА С ПОВИСОКОГО ОПАСНОСТІ	LOW RISK ZONE
PERICOL	ПЕРИКИ (ОПАСНОСТІ)	PERICOLI (DANGERS)
Pericol de împănare	Можливість опантання	Tripping hazard
Pericol de alunecare	Слизька поверхня	Slippery surface
MĂSURI DE PREVENIRE	МІРИ ПЕРЕДУПРЕЖДЕННЯ	MEASURES OF PREVENTION
Accesul este permis doar persoanelor autorizate	Доступ дозволено лише авторизованим особам	Authorized personnel only
Respectarea indicatelor de obligativitate și PPI	Соблюдение предписывающих и знаковых указаний безопасности	Compliance with mandatory indicators and fire safety signs



Sanitary Regulations on employee health protection and associated risks from petrol stations operation



Sanitary protection zone

Nr. d/o	Buildings	Distance, m		
		Station supply liquefied hydrocarbon gas / natural gas tanks		Power Station with liquid fuels
		Tanks		Tanks
		underground	overground	underground e
1.	Buildings and facilities social permanent presence up to 50 people. Houses with a floor	20	40/35	25
2.	Buildings and facilities social permanent presence up to 500 people. Houses with height under 28m	30	60/40	25
3.	Buildings and facilities social Finding permanent with 500 and more people, Houses taller than 28m	60	120/100	25
4.	Administrative buildings, socio-sanitary and production of industrial enterprises	15	25/25	15
5.	Social institutions (within schools, kindergartens, medical institutions public and private playground for children and sport)	60*	120/100*	25*

Note: The area shall be determined by the sources of pollution (column distribution, storage reservoir, treatment plant).

* Distance to the border land



G-FEZ MASTERPLAN



PLOT **A** S = 1.21 ha
PLOT **B** S = 1.55 ha
PLOT **D** S = 0.22 ha
PLOT **G** S = 0.42 ha
PLOT **K** S = 0.74 ha

PLOT **C** S = 0.96ha PLOT **P** S = 1.0 ha
PLOT **E** S = 0.40 ha
PLOT **H** S = 0.55 ha
PLOT **L** S = 4.53 ha
PLOT **M** S = 4.0 ha

PLOT **F** S = 0.40 ha NHK
PLOT **I** S = 0.39 ha IUNASISTEM
PLOT **J** S = 0.15 ha DUNAV TIR
PLOT **N** S = 1.37 ha TRANS CARGO TERMINAL
PLOT **O** S = 0.67 ha TRANS BULK LOGISTICS

S = 143.44 ha DANUBE LOGISTICS ZONES
S = 2.98 ha OCCUPIED ZONES
S = 11.44 ha RESERVED ZONES
S = 4.14 ha FOR LEASE ZONES



The Master Plan includes (potential) new developments and future expansion of the facility. Special attention will be given to:

- Nature of the new activity
- Distance of the activity to the urban area, sensitive objects etc.
- Distance to other industrial activities on the site
- Preventive measures that need to be taken
- Sharing of plans with responsible authorities
- Being in compliance with national and international legislation (on siting, land use planning and safety)
- Communication with interest groups
- Publications of the plans



Transboundary issues regarding the GIFP activities



	Distance
EU Border	< 1 km
UKR Border	< 1 km



In the international context:

- Industrial Accidents Convention (TEIA),
- Espo Convention
- Ecological Expertise for planning any industrial activities with transboundary location
- Environmental Impact Assessment
- Exchange of plans and information with the neighboring countries Romania and Ukraine and to consult with them





Challenges:

- Process is taking much time
- Danube Logistics is the only company with this kind of business in Moldova – we can not learn from others in the country
- Laws at national level exist, however implementation needs improvement
- The cooperation with responsible authorities needs to be improved
- Public consultation needs to be enhanced
- Cooperation with the neighbouring countries exists and needs continuity



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'The safety of the people shall be the highest law'

Marcus Tullius Cicero



Thank you for
your kind
attention

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