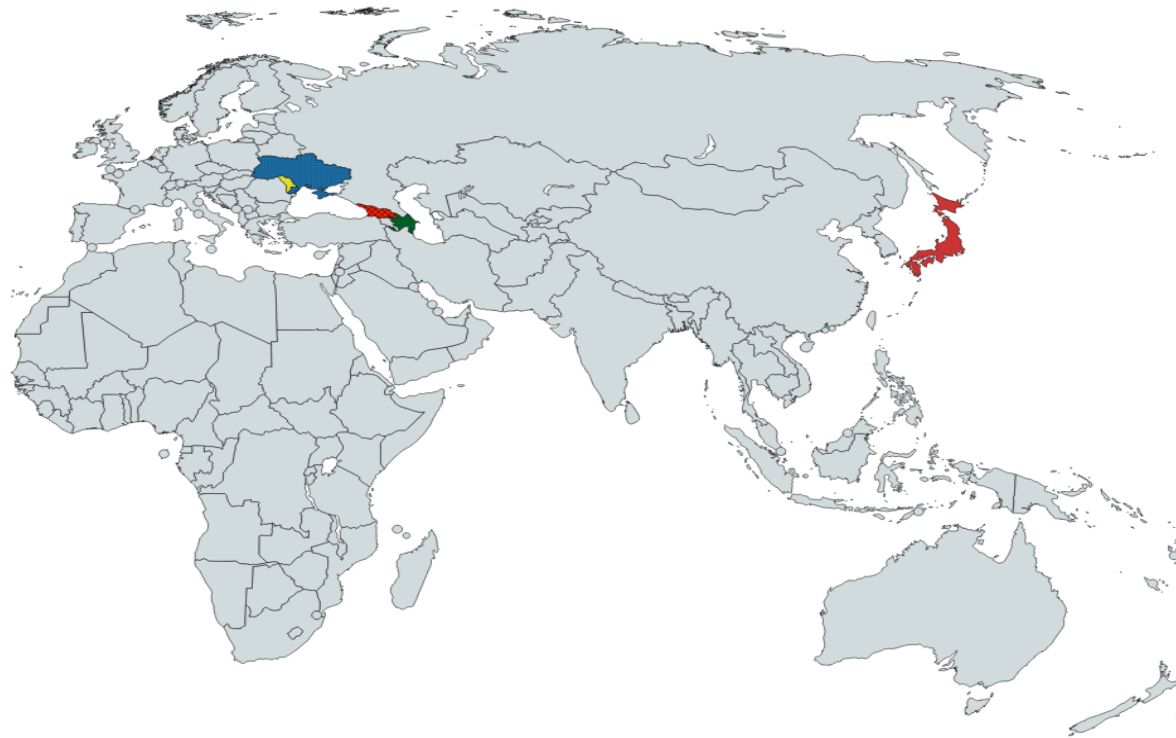


GUAM – JAPAN **areas of cooperation**



National Association of scientific, technological parks and other innovative organizations of Ukraine

2

Focus on:

- ✦ increasing the role of scientific and technological parks in the innovative development of Ukraine,
- ✦ promoting the intensification of innovative processes,
- ✦ creating large-scale production of innovative products,
- ✦ transforming national economy into the knowledge economy.



NSTAU and GUAM Organization

3

The first meeting of the GUAM working group on science and education was conducted on November, 23-24, 2017 in the GUAM Secretariat in Kyiv. The participants discussed priority areas of cooperation in the field of science and technologies that have application and practical focus.

Working group on science and education decided to base upon the existing projects “Ukraine-Japan” and created temporary sub-group on science and innovations.

National Science-Technological Association of Ukraine was in charge of the choice and presentation of the pilot projects of the GUAM-Japan cooperation.

The Association proposes several projects in such areas: international transit and organic food for their joint implementation by the GUAM countries with the attraction of Japan’s innovation and investment potential.



Area of interests – Organic Food

4

Goal: establishment of organic products production through the introduction of innovative processes of organic agricultural production, the modernization of the food and food processing industry.

Projects:

- Establishment of innovative complex of harvesting and processing of organic medicinal plants.
- Implementation of Japanese innovative technologies for growing organic products in the Ukrainian black soils.
- Modernization of food and food processing industries.

Area of interests – Organic Food

5

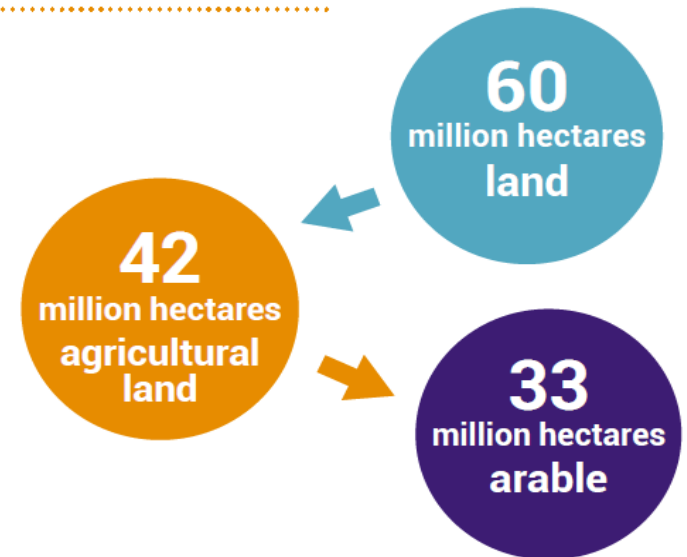
Historically known as the “bread basket of Europe”, Ukraine is focused on becoming the “food basket” of the world. With 33% of the world’s black-earth soil concentrated in Ukraine, a favourable climate and proximity to key markets, Ukraine is becoming an agricultural export powerhouse.

Ukraine is already a leading global agro-production and export player

	Production	Export
🔥 in sunflower oil	#1	#1
🌾 in barley	#2	#3
🌽 in corn	#6	#4
🌾 in wheat	#6	#5
🌱 in soybeans	#8	#6
🌰 in walnuts	#4	#3
🐔 in poultry	#9*	#7

(*data as of 2016)

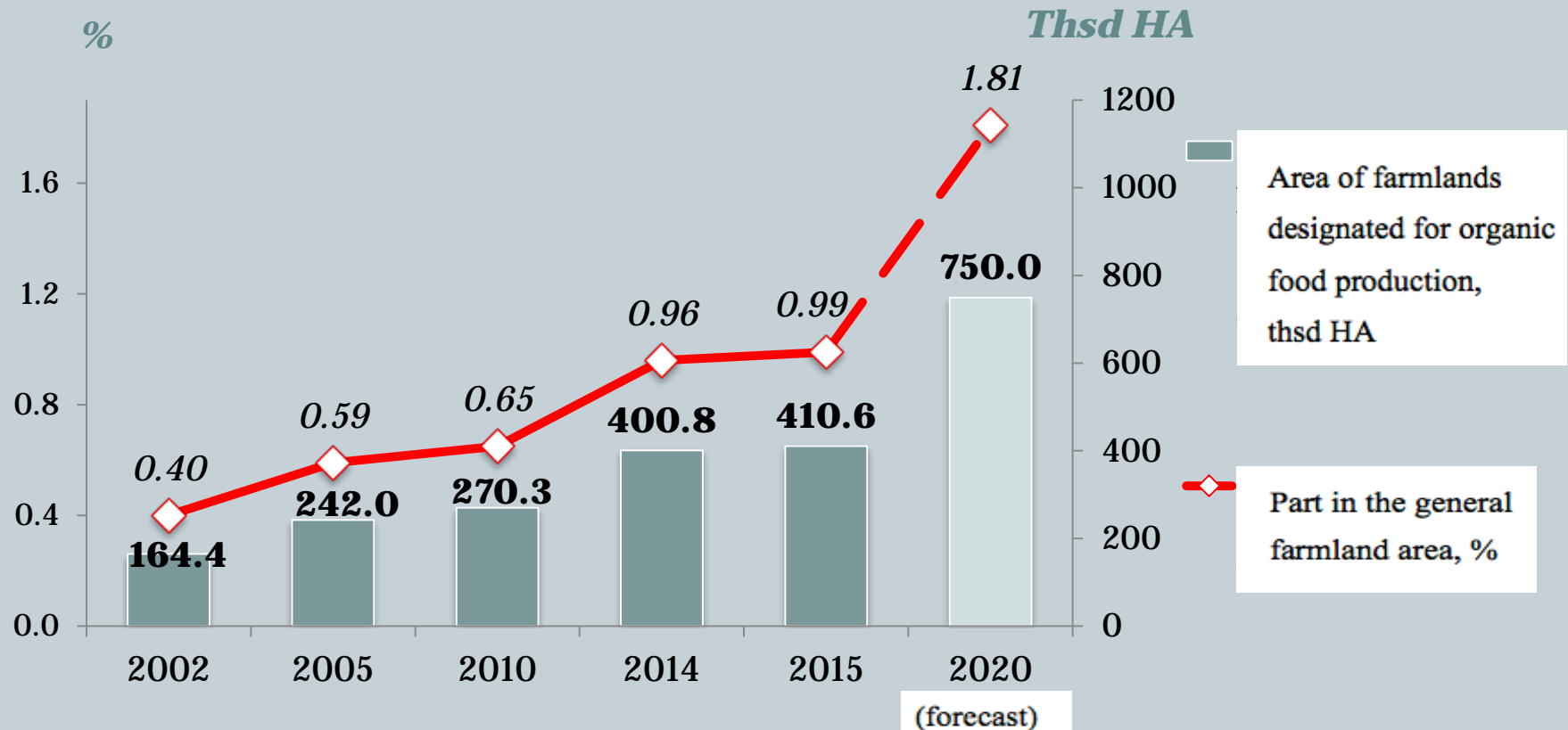
Source: USDA, rank by natural indicators, 2017/2018 proj, Oct-Dec 2017



Area of interests – Organic Food

6

Ukraine ranks 11th in Europe in certified land. In addition to agricultural lands, Ukraine has 530 thousand hectares of wild lands certified according to organic standards.



Area of interests – Organic Food

7

Ukraine's place in Europe and in the world in terms of agricultural crops, certified according to organic products standards, 2015.

Crop	Farmland area, certified according to organic products standards, thsd ha			Ukraine's share, %	
	Ukraine	Europe	World	in Europe	in the world
Wheat	81,5	711,5	1209,2	11,5	6,7
Barley	103,0	293,6	364,9	11,9	9,6
Buckwheat	5,1	17,3	21,2	29,3	23,9
Corn	32,9	127,2	349,9	25,9	9,4
Millet	5,3	6,1	40,8	87,3	13,0
Spring rye	9,3	170,5	189,9	5,4	4,9
Dinkel wheat	3,0	29,6	35,0	10,2	8,6
Sunflower	40,4	107,6	127,1	37,5	31,8
Soy beans	4,3	51,1	386,9	8,4	1,1
Oil flax	4,4	12,0	67,5	36,7	6,5
Vegetables	8,0	131,9	290,1	6,1	2,8

Area of interests – Transport

8

Goal: modernization of GUAM transport infrastructure through implementation of advanced technologies for the development of transit potential of GUAM countries.

Projects:

- Creation of transport and logistics complex “Odessa”, including construction of a deepwater port.
- Creation of Ukrainian-Japanese shipping company.
- Creation of multimodal transport corridors network in GUAM countries.
- Upgrading shipbuilding, aviation and rocket industries of Ukraine.

Area of interests – Transport

9

Ukraine's geographic location makes it an important transit corridor for trade and travel between Europe, Asia and the Middle East. When combined with its other comparative advantages Ukraine has the potential to become an exclusive and potent Eurasian Hub.

- Manufacturing production platform for Europe
- Logistics hub between Europe and Asia
- Nexus for trade, finance and human capital
- Deeply integrated into the global supply chain

Area of interests – Transport (Ports)

10

Odesa region

Yuzhniy:

- Specialization: state-owned stevedores ("SOE") – ore, coal; Private stevedores ("Private") – ore, grain, chemicals, coal
- Max. draft: **13.5-18.5m**
- Vessel type: Capesize, Panamax

Odesa:

- Specialization: SOE – no operations; Private – grain, containers, metals, oil
- Max. draft: **13.5m**
- Vessel type: Panamax

Illichivsk:

- Specialization: SOE – ore, grain, auto; Private – containers, grain, oil
- Max. draft: **13.5m**
- Vessel type: Panamax

Izmail:

- Specialization: SOE – coal, ore; Private – no operations
- Max. draft: **4.0m**
- Vessel type: Handy

Izmail region

Mykolayiv region

Mykolayiv:

- Specialization: SOE – no operations; Private – grain, ore, metals
- Max. draft: **9.0-12.5m**
- Vessel type: Panamax

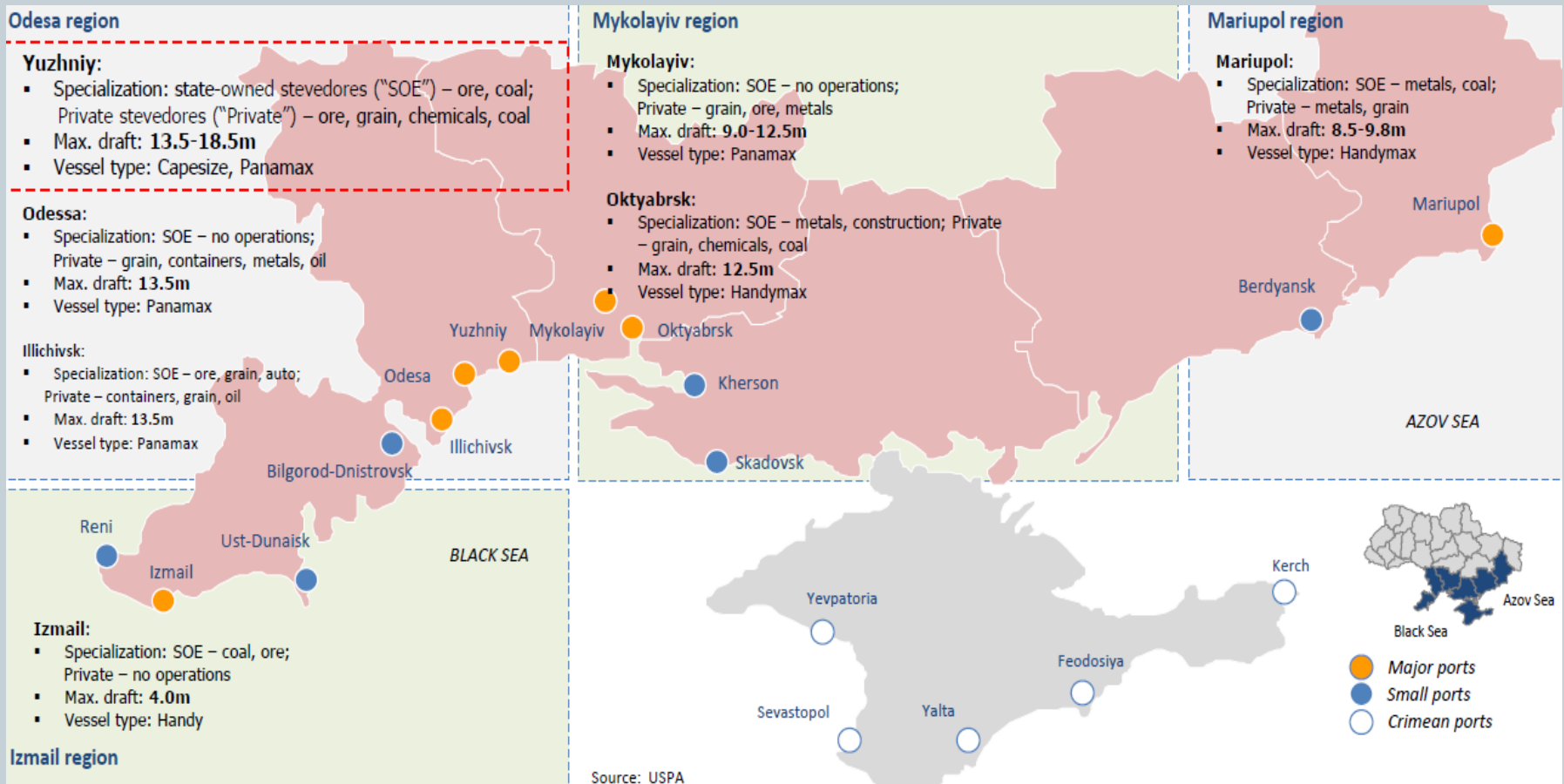
Oktyabrsk:

- Specialization: SOE – metals, construction; Private – grain, chemicals, coal
- Max. draft: **12.5m**
- Vessel type: Handymax

Mariupol region

Mariupol:

- Specialization: SOE – metals, coal; Private – metals, grain
- Max. draft: **8.5-9.8m**
- Vessel type: Handymax



Area of interests – Transport

11



Thank you!

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