



Ukrainian
Geological
Survey

Ukraine's Critical Raw Materials Strategy: A Case Study on Sustainable Resource Management

STANISLAV LYTVYNIUK

*Deputy Chairman of the State Commission of Ukraine on Mineral
Resources on Ore, Non-Metallic and Solid Combustible Minerals*



RESOURCE MANAGEMENT WEEK 2023

ASSURING SUSTAINABILITY IN RESOURCE

MANAGEMENT

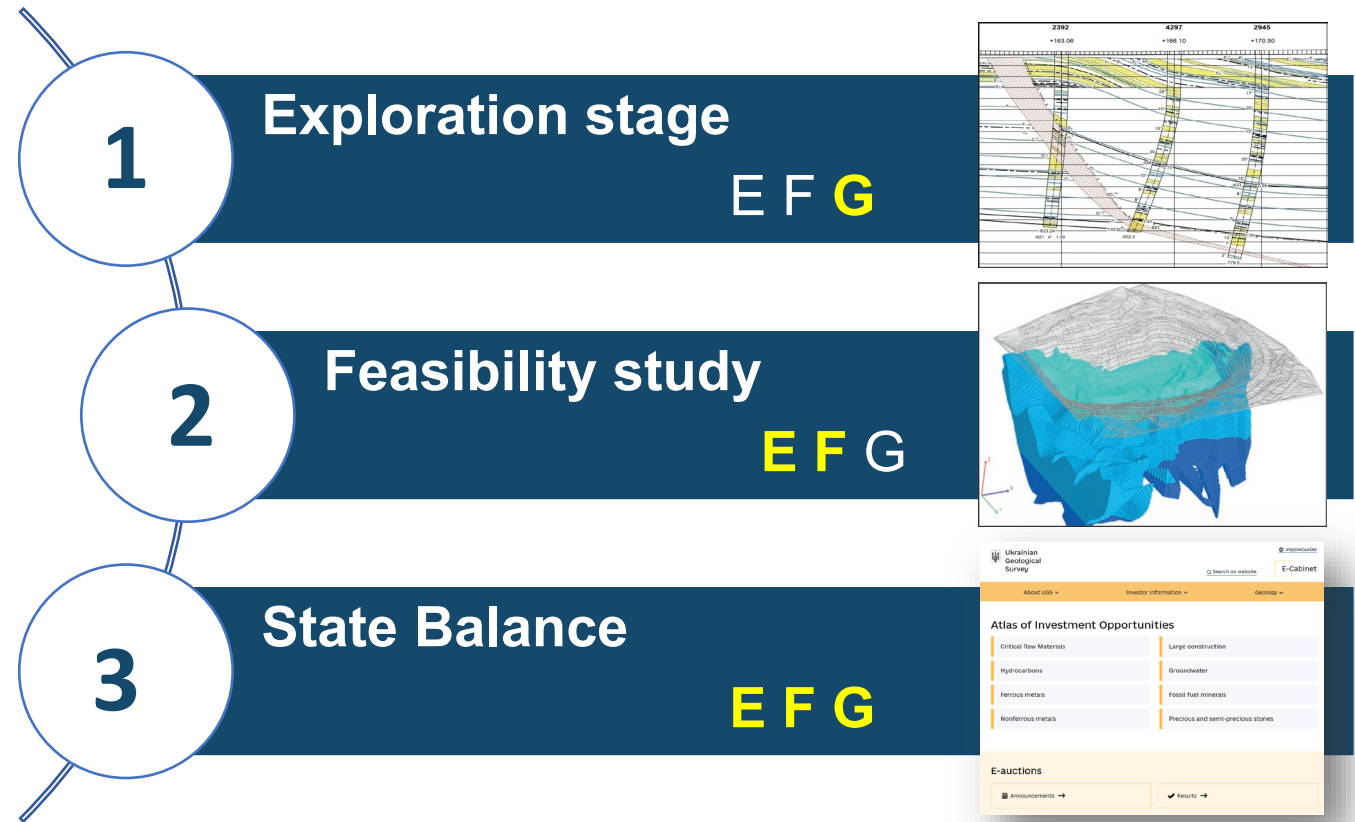
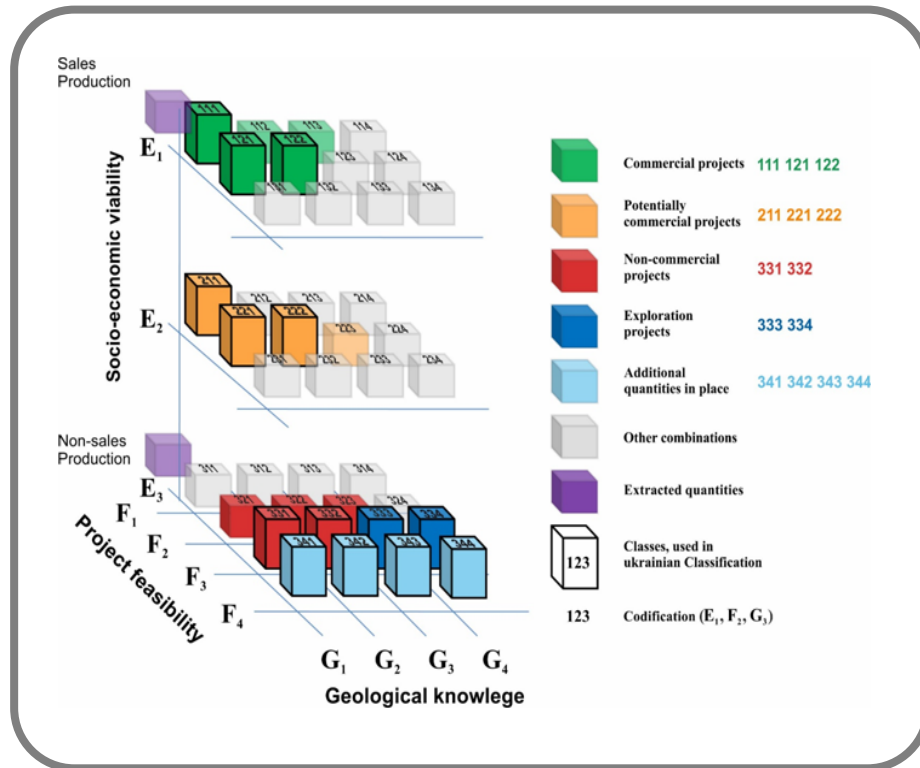


UNECE

UNFC principles and methodological approaches



Resolution of the Government of Ukraine: № 764 dated 19.09.2018



Ukraine's Critical Raw Materials



- more than 140 objects (deposits)
- 22 useful elements

CLAYS AND SAND

QUARTZ SAND
 large deposits, middle sized deposits, small deposits

FIRE CLAYS
 large deposits, middle sized deposits, small deposits

HIGH-MELTING CLAYS
 large deposits, middle sized deposits, small deposits

FOSSIL FUELS
 natural gas, oil, oil and natural gas

METAL ORES
 iron ores, manganese ores, titanium ores

COAL

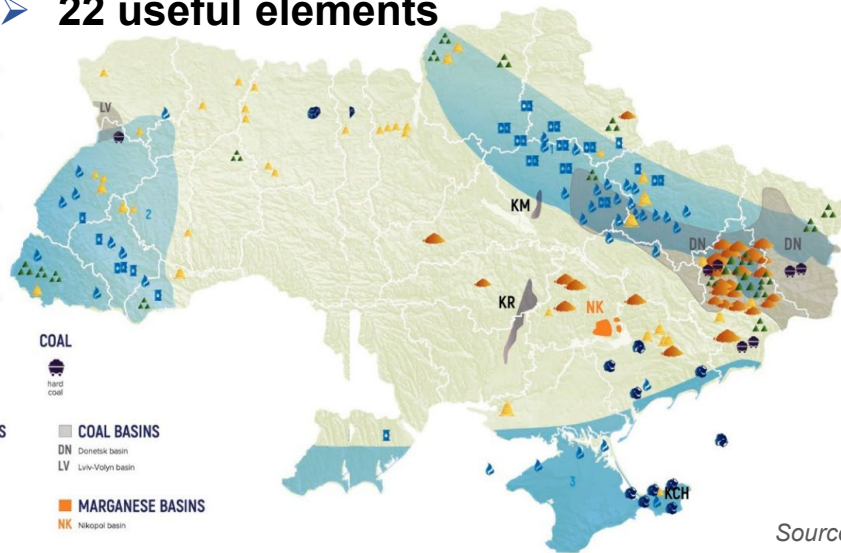
hard coal

OIL AND GAS REGIONS
 1 East oil and gas region
 2 West oil and gas region
 3 South oil and gas region

COAL BASINS
 DN Donets'k basin
 LV L'viv-Volyn basin

IRON ORES BASINS
 KM Kremenchuk basin
 KR Kryvyi Rih basin
 KCH Kerchensky basin

MANGANESE BASINS
 NK Nikopol basin



Source: UA EITI

Minerals/Metals	Deposits (accounted / licensed objects)	UNFC code
Aluminium	3 / 0	331, 332
Beryllium	3 / 1	111, 122, 211, 222, 333, 334
Barite	1 / 0	331, 332
Cobalt and Nickel	12 / 3	122, 331, 332, 333
Coking coal	28 / 26	111, 122
Copper	5 / 3	122, 332, 333
Fluorspar	3 / 0	121, 331, 332, 333
Germanium	220 / 74 (no extraction)	331, 332
Graphite	6 / 2	111, 121, 222, 331, 332
Hafnium	2 / 2 (complex deposits)	111, 221, 331
Lithium	4 / 1	122, 222, 332
Magnesium	2 / 0	331, 332
Manganese	5 / 3	111, 121, 122, 221, 331, 332
Phosphorite ores	3 / 1	111, 122, 331, 332
Rare Earth Elements (REE)	3 / 2 (complex deposits)	122, 331, 332
Scandium	12 / 3 (complex deposits)	222, 332, 33
Silicon metal	6 / 6	111, 222, 332
Strontium	1 / 0 (complex deposits)	331, 332
Tantalum and Niobium	4 / 3 (complex deposits)	111, 122, 331, 332
Titanium	20 / 10	111, 121, 122, 221, 331, 332
Vanadium	8 / 7 (complex deposits)	111, 122, 221, 331, 332
Zircon	8 / 7 (complex deposits)	111, 122, 221, 222, 331, 332

Viable Projects

Coking coals, Graphite, Manganese, Silicon metal, Titanium, Vanadium, Zircon

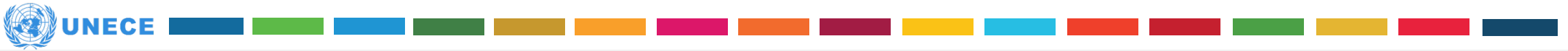
Potentially Viable Projects

Beryllium, Cobalt and Nickel, Copper, Hafnium, Lithium, REE, Scandium, Tantalum and Niobium

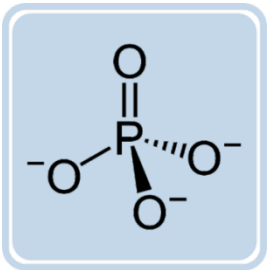
Prospective Projects

Aluminium, Barite, Fluorspar, Germanium, Magnesium, Strontium

Subsoil areas of strategic significance



- ❑ On February 14, 2023, the Cabinet of Ministers of Ukraine adopted Resolution No. 132 which approved the list of subsoil areas of strategic significance for the sustainable development of the economy and the state's defense capabilities. These areas will be made available for use through tenders for production sharing agreements.
- ❑ The list includes 26 deposits.



Phosphate



Titanium



Uranium



Lithium



Potassium salt

Thank you!

STANISLAV LYTVYNIUK

*Deputy Chairman of the State Commission of Ukraine on Mineral Resources
on Ore, Non-Metallic and Solid Combustible Minerals*

UNECE

Date 27 / 04 / 2023, Geneva



RESOURCE MANAGEMENT WEEK 2023

ASSURING SUSTAINABILITY IN RESOURCE

MANAGEMENT



UNECE