

A hand is shown holding a globe. The globe features a winding road, wind turbines, a waterfall, and a recycling sign. The background is a green landscape with a hot air balloon.

# *Presantion on the identified needs in the selected post-coal mining areas in Albania*

**AGJENCIA KOMBETARE  
E BURIMEVE NATYRORE**

NATIONAL AGENCY OF NATURAL RESOURCES



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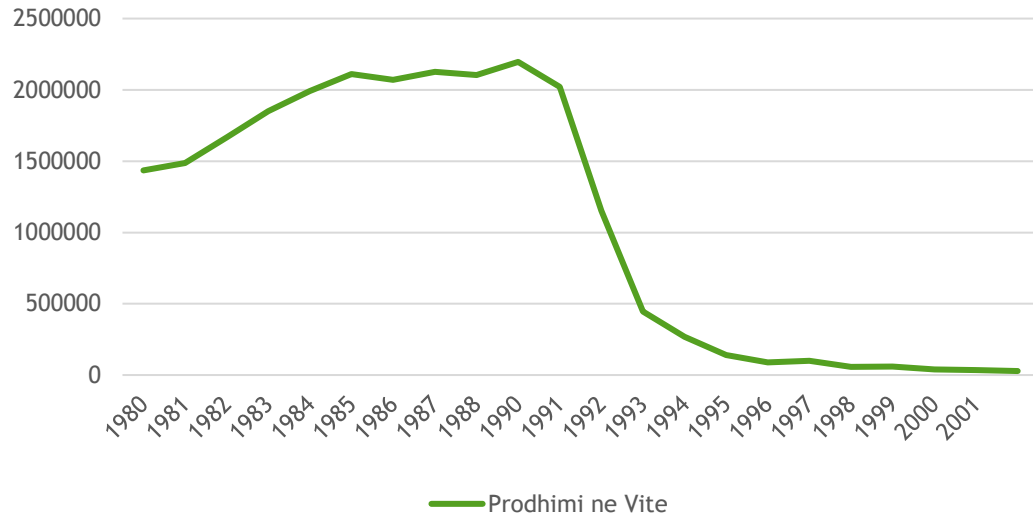
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# PRODUCTION AND RESERVES

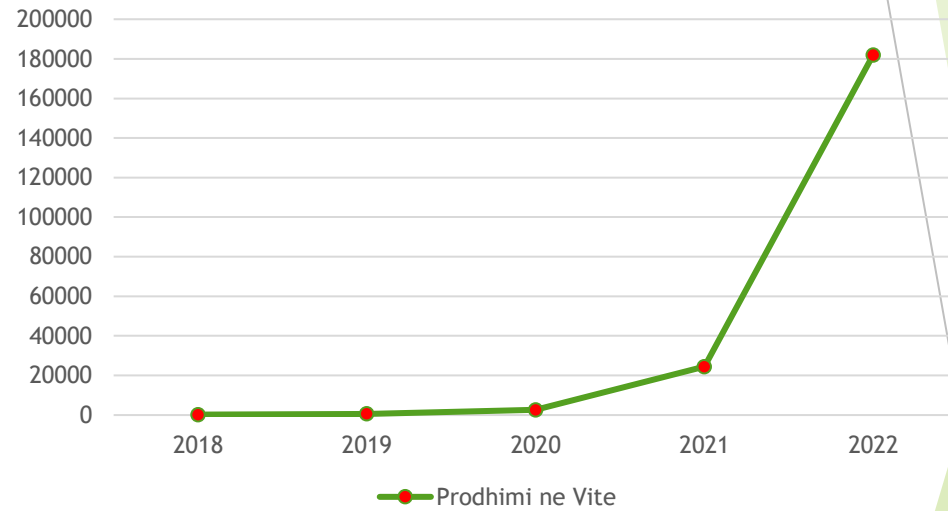
Nr	Emërtimi i vendburimit	Viti i fillimit të prodhimit	VKM për mbylljen e minierës	Prodhimi (Ton)	Rezervat gjeologjike në momentin e mbylljes së minierës (Ton)
1	Valias	1978	Nr.139 dt.20.03.1995	3515178	49186000
2	Mëzez	1968	Nr.824 dt.04.12.1996	1435320	1426000
3	Mushqeta	1968	Nr.550 dt.26.08.1996	2300000	5365000
4	Kërrabë	1938	Nr.101 dt.02.03.2001	1658270	8100000
5	Priska 2	1980	Nr.550 dt.26.08.1996	374057	2682000
6	Priskë	1980	Nr.101 dt.02.03.2001		2460000
7	Gërdec	1978	Nr.550 dt.26.08.1996	293200	297000
8	Manëz	1967	Nr.232 dt.15.05.1995	1317000	1281000
9	Mborje-Drenovë	1930	Nr.349 dt.07.07.2000	1100000	3698000
10	Selcë	1984	Nr.233 dt.15.05.1995	253563	125000
11	Babjen	1984	Nr.233 dt.15.05.1995	75236	478562
12	Krosnisht	1978	Nr.500 dt.13.08.1998	1342174	496000
13	Qenckë	1978	Nr.349 dt.07.07.2000	23000	69750
14	Bezhan	1972	Nr.233 dt.15.05.1995 <b>REACTIVATED 2023</b>	1068519	7714000
15	Alarup	1959	Nr.500 dt.13.08.1998 <b>REACTIVATED 2020</b>		1600000
16	Pretushë	1968	Nr.233 dt.15.05.1995	909300	2885500
17	Dardhas	1972	Nr.349 dt.07.07.2000	1076100	6087000
18	Vërdovë	1978	Nr.349 dt.07.07.2000	900000	2300000
19	Potgozhan	1985	Nr.233 dt.15.05.1995	105000	10869700
20	Homezh	1986	Nr.233 dt.15.05.1995	1377951	8174500
21	Memaliaj 1 dhe 2	1916	Nr.268 dt.08.06.1999	10126170	8200000
22	Memaliaj 3	1980	Nr.29 dt.15.01.1996		6500000
	Shuma			29 250 038	129 995 012

# PRODUCTION OF COAL MINERAL IN YEARS

## PRODUCTION UNTIL 2000



## PRODUCTION AFTER REACTIVATION



## MINE CLOSURE AND RECLAMATION, REHABILITATION

### Mine Closure Process and Post Mining Land Use

According to Mining Law 10304 date 15.07.2010 article 37...

Mining is a process that impacts the environment and stakeholders at the various stages of its life. The closure stage must be thought through and agreed upon at the **beginning** of the mining cycle to ensure the correct funding is in place.

- ❖ Closure requires that mining permit holder to protect the mining facility, land, and environment, as well as carry out land rehabilitation and reclamation measures. *The mining permit holder company has the obligation to implement the plan during the mining activity and in the end* closure activities of the mining facility, the environmental rehabilitation plan of the mining area and mining waste management plan, approved by the responsible structure (AKBN), together with the permit mining, as part of this permit.
- ❖ Control of the implementation of the relevant plans for the closure of the mining activity and environmental rehabilitation is carried out by the responsible structure, which, after the inspection, reports to the ministry.
- ❖ Mining permit holder pay every year a rehabilitation guarantee, this value is approved upon obtaining the mining permit according to the area planed for exploitation and the corresponding values per hectare according to the laws in force.

# MINE CLOSURE AND RECLAMATION, REHABILITATION

## Mine Closure Process and Post Mining Land Use

- ❖ If a company plans to close mining operations, it must prepare a mine closure program that includes a solution for environmental issues caused by the closure.
- ❖ When a mine is abandoned, the Government will specify the conditions, criteria, procedure, and manner of land rehabilitation and reclamation. rehabilitation is carried out by specialized subjects, selected by the responsible structure (MIE), according to procurement procedures, in accordance with the laws in force.
- ❖ If the financial guarantee for the implementation of the rehabilitation plan is not sufficient, the owner of the mining permit remains responsible for the value spent on the guarantee fund used for the complete rehabilitation.
- ❖ If the mining permit holder does not implement the rehabilitation plan, he is deprived of the right to obtain a permit for another mining activity, for a period of 50 years, which is calculated from the end of the validity period of the first permit and constitutes a reason for revoking the any other mining permit of the same holder, granted under this law.

## MINE CLOSURE AND RECLAMATION, REHABILITATION

### Mine Closure Process and Post Mining Land Use

During mine closure, governments usually mining permit holders to...

- ❖ Return land to its original use...mostly to
- ❖ Considering the fact that most of coal mines are developed by underground mines using the shafts, drifts or slopes it is necessary to fill them with granulated limestone and clay strata.
- ❖ Protect wildlife and fish habitats during the mine closure and rehabilitation process.
- ❖ Agree on a plan for infrastructure. Local communities often request that in infrastructure related to the mine.... are left for their benefit.
- ❖ The possibility of being used as an energy source (using the gases released from these mines) or returning as a museum area.

Those are the immediate needs after mine closure.

## MINE CLOSURE AND RECLAMATION, REHABILITATION

Mine Closure Process and Risk related with it:

- ❖ There are a lot of problems after closed mines procedures such as geotechnical and hydrogeological changes, conduct a geotechnical assessment.
- ❖ Identify potential post-closure land use and associated risks and opportunities.
- ❖ Monitoring surface erosion through topsoiling.
- ❖ Retain topsoil and use fertilizers to promote vegetation growth.
- ❖ The changes that occur in the surface from the effects of underground works.  
(landslides and subsidances)

# COAL MINING ACTIVITY





## ABANDONED COAL MINING



## MINE CLOSURE AND RECLAMTION, REHABILITATION



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<http://www.akbn.gov.al>

**Tel: ++ 355 42 246 195**

**Fax: ++ 355 42 257 382**