



ECO-MINE

Economic Mineral Database

Dr. Krassmann

What is ECO-MINE ?

ECO-MINE is a Full-Text searchable Economic Mineral Database, which has been compiled over more than 10 years.

ECO-MINE Key Data :

- > 160 GB Economic Mineral data
- > 100.000 pdf – Text files and Maps
- > 250 different Commodities covered globally
- Easy to use and simple database structure
- All data searchable by Full Text Search !



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How is ECO – MINE working (1) ?

You can either search with a few clicks through Single Directories :

Example 1 : Searching for...

Graphite Deposits in Tanzania



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- AAWorldGeneral
- AfricaAfrika**
- AmericaCentralSouth
- AmericaNorthCaribic
- Antarktis
- AsiaAsien
- AustraliaOceania
- Europe
- OffshoreDeposits
- ZZMoonOuterSpace

- LIYLibyaLibyen
- MADM Madagascar
- MALIMali
- MARMoroccoMarokko
- MATMauritius
- MAUMauritaniaMauretania
- MAWMalawi
- MAYMayotte
- MOCMozambiqueMocambique
- NAMNamibia
- NIANigeria
- NIGNiger
- REURéunion
- RASASouthAfricaSüdafrika
- RWARwandaRuanda
- SENSenegal
- SEYSeychellesSeychellen
- SILSierraLeone
- SOMSomalia
- SSUSouthSudanSüdsudan
- STPSaoTomeandPrincipe
- SUDSudan
- SWZSwaziland
- TAZTanzania 512 MB**
- TOGOTogo
- TUN TunisiaTunesien
- UGNuganda
- WSAWestSahara
- ZAMZambiaSambia
- ZIMZimbabwe

TAZGoldMusomaMaraGreenstoneBelt1991	60 KB	PDF
TAZGoldNzegaGreenstoneBelt1991	37 KB	PDF
TAZGoldOperatingMines2005	30 KB	PDF
TAZGoldOpportunities1991	32 KB	PDF
TAZGoldPlacerMkwiaNachingwea2009	6.005 KB	PDF
TAZGoldPostProterozoicWingayongo1991	37 KB	PDF
TAZGoldProjectsKilimanjaroMining2009	3.154 KB	PDF
TAZGoldProterozoicDepositsOverview1991	41 KB	PDF
TAZGoldRwamagazaGreenstoneBelt1991	57 KB	PDF
TAZGoldSekenkeKassama1939	2.026 KB	PDF
TAZGoldSekenkeKassama2012	561 KB	PDF
TAZGoldSingidaLondoniLakeVictoria2011	28.522 KB	PDF
TAZGoldTulawakaEastSukumaland2005	886 KB	PDF
TAZGoldUluguruCentral2012	14 KB	PDF
TAZGraphiteGemstonesTanzaniteMerelani2006	13.651 KB	PDF
TAZGraphiteGemstonesTanzaniteMerelani2009	22.403 KB	PDF
TAZGraphiteMahenge2012-1	779 KB	PDF
TAZGraphiteMahenge2012-2	552 KB	PDF
TAZGraphiteMerelaniNachingwea1991	30 KB	PDF
TAZGraphiteNachingwea2012	1.910 KB	PDF
TAZGraphiteRuangwa2012	1.071 KB	PDF
TAZGraphiteRuangwa2012-1	1.071 KB	PDF
TAZGraphiteRuangwa2012-2	537 KB	PDF
TAZGypsumCementLindi20		
TAZGypsumMtwara2010		
TAZGypsumPotentialOverview		
TAZHydrocarbonsPotential		
TAZHydrogeochemistryLakeLongonyiMara2012	4.147 KB	PDF
TAZHydrogeologyGeochemistryMountMeru2011	4.680 KB	PDF

9 pdf - files found...More under Tanzania - Industrial Minerals



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Choose a file and simply open it as pdf – file :

TAZGoldUluguruCentral2012	14 KB
TAZGraphiteGemstonesTanzaniteMerelani2006	13.651 KB
TAZGraphiteGemstonesTanzaniteMerelani2009	22.403 KB
TAZGraphiteMahenge2012-1	779 KB
TAZGraphiteMahenge2012-2	552 KB
TAZGraphiteMerelaniNachingwea1991	30 KB
TAZGraphiteNachingwea2012	1.910 KB
TAZGraphiteRuangwa2012	1.071 KB
TAZGraphiteRuangwa2012-1	1.071 KB
TAZGraphiteRuangwa2012-2	537 KB
TAZGypsumCementLindi2010	9 KB

Graphite Opportunities

Merelani.

The Usagaran gneisses, which host tanzanite mineralisation at Merelani, southeast of Arusha, also contain up to 20% graphite. More importantly, the graphite is coarse-grained, mostly of more than 1-mm flake size with several percent in sizes up to several millimetres. The rock is sufficiently weathered to allow liberation of coarse graphite-rich excessive combination. The graphite graphite-rich section is 10-20 m thick. SAMAX, a London-based company, has carried out a feasibility study on part of the Merelani tanzanite deposit for production of graphite and tanzanite from gneiss layers, which are stratigraphically only a few tens of metres, a part.

Production of graphite began in 1995 and 6,679 tonnes of graphite were produced in its first full year of production in 1996. Production was then suspended and the mine changed ownership from SAMAX to AFGEM of South Africa, which is currently mining tanzanite. Sufficient reserves were initially identified for 40 years operation at a mining rate of 15,000t/years of high-grade flake graphite of 97%-98% purity.

Gneisses similar to those at Merelani are exposed over a large region, and considerable scope exists for discovery of additional coarse-grained graphite in the area, which is relatively near highway and the Moshi-Tanga railway line.

Nachingwea District.



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How is ECO – MINE working (2) ?

Or you can search with the Simple Search Option through Multiple Directories instantly :

Example 2 : Searching for...

Fluorspar Deposits in Europe






























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Locate „Fluorspar in Europe“ files.... **166 Files Found**

 D-BYWÖFluorsparWölsendorfOberpfalzKittenrainDonaustauf2006	464 KB	PDF
 D-HEFluorsparDolomiteSedimentaryZechsteinEschwege1975	1.087 KB	PDF
 D-HEFluorsparDolomiteSedimentaryZechsteinEschwege1978	1.813 KB	PDF
 D-SAFluorsparMiningMinewaterPassivePurificationHagentalGernrodeHarz2003-2	8.173 KB	PDF
 D-SXFluorsparBarytesMetalDepositsOverview2010	1.112 KB	PDF
 D-SXFluorsparSchönbrunnBösenbrunnWiedersbergMonographyVogtland1996	69.094 KB	PDF
 D-SXBarytesFluorsparOverview2010	1.112 KB	PDF
 D-SXFluorsparBarytesOreMineralsDepositsReevaluation2008	12.997 KB	PDF
 D-SXFluorsparBarytesOreMineralsOccurrences2010	751 KB	PDF
 D-SXFluorsparPortraitErzgebirge2008	281 KB	PDF
 D-THFluorsparGehrenBergbaugeschichteMiningHistoryThüringerWald2005	562 KB	PDF
 D-THFluorsparGehrenIlmenauThüringerWald2007	4.522 KB	PDF
 D-THFluorsparGehrenIlmenauThüringerWald2013	50 KB	PDF
 BULFluorsparChiprovtsiLukinaPadina2010-1	52 KB	PDF
 BULFluorsparChiprovtsiLukinaPadina2010-2	57 KB	PDF
 BULFluorsparChiprovtsiLukinaPadina2011	489 KB	PDF
 BULFluorsparFormationOverview2005	196 KB	PDF
 BULFluorsparHydrothermalPalat1985	279 KB	PDF
 BULFluorsparMikhalkovoRhodopes2010	42 KB	PDF
 CHLeadFluorsparWallisMontchemin	1.335 KB	PDF
 CROBarytesFluorsparKresevo2011	1.004 KB	PDF
 CZEFluorsparDepositsMap	15 KB	PDF
 CZEFluorsparOverview2004	57 KB	PDF
 CZEFluorsparBestvinaMineRehabilitation2010	138 KB	PDF
 CZETinTungstenFluorsparKrupka1995	3.637 KB	PDF
 ESP-ANDALMLLeadZincFluorsparZebrasteineGeologischeStreifzüge2004	1.320 KB	PDF
 ESP-ANDGRAFluorsparOrgivaMineLujar2012	1.218 KB	PDF

**Only parts of
search results
shown**














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Again choose a file and open it as pdf – file :

 D-5XFluorsparPortraitErzgebirge2008	281 KB
 D-THFluorsparGehrenMiningHistoryThüringerWald2005	562 KB
 D-THFluorsparGehrenIlmenauThüringerWald2007	4.522 KB
 D-THFluorsparGehrenIlmenauThüringerWald2013	50 KB
 BULFluorsparChiprovtsiLukinaPadina2010-1	52 KB
 BULFluorsparChiprovtsiLukinaPadina2010-2	57 KB
 BULFluorsparChiprovtsiLukinaPadina2011	489 KB
 BULFluorsparFormationOverview2005	196 KB
 BULFluorsparHydrothermalPalat1985	279 KB
 BULFluorsparMikhalkovoRhodopes2010	42 KB
 CHLeadFluorsparWallisMontchemin	1.335 KB

FLUORITE EXTRACTION PROJECT

Some history

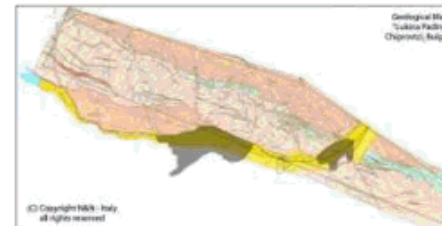
Located in Chiprovtsi, Bulgaria, the N&N fluorspar extraction and production complex was the first new mine to open in the Balkans in the last 30 years.

In 13th-16th century Chiprovtsi had been a busy mining village that enjoyed great favours. Here settled Saxon miners, who gave a further impetus to this activity. Mining activity continued through the centuries up to the '90s when the last mine and production plant was closed. Some dark years followed during which the mine was abandoned and the production plants were left at the mercy of metal scrapers and other robbery.

Information about fluorite mineralization in Chiprovtsi deposit was known from the work of a number of explorers, but the results from the accomplished attempts for industrial evaluation were negative.

A new beginning

New technological examinations were performed in 2004 with better technique and using data from all geological reports. Complete survey of the "Lukina Padina" site was performed and new and improved geological maps were created. A sample of such maps is shown in this picture (click to enlarge):



This resulted in widening of the spatial development and quantitative measures of the discovered fluorite raw material. New grounds were found to support with confidence that the fluorite deposit "Chiprovtsi-east", section "Lukina Padina" represents the most significant fluorite deposit in Europe and may be of interest for future efficient underground mining.

This new development was obtained by N&N: an Italian based company. N&N acquired the licenses for the old mines and production plant and started a new project for the rehabilitation of the mines and the construction of a completely new plant for the extraction and production of Acid grade fluorspar and derivative products.

It's been 5 long years during which a lot of work and investment has been done.

Over 18km of underground tunnels were created or enlarged to reach the fluorspar bodies.

Modern mining machinery was bought employed to the task.

A new plant for the processing of fluorite minerals was built from the ground up.

The existing damping zone has been reopened and adapted to serve the purposes of the new plant

Many jobs were created in this process. The complex currently employs a staff of 100+ workers with no outsourcing of any part of the production process.

In 2008 preliminary industrial tests confirmed that the production was possible and economically



How is ECO – MINE working (3) ?

You can also search with the Full Text Search Option using High Speed* Search through thousands of Documents

Example 3 : Searching for...

Tungsten Deposits in USA

* about 500 MB / Minute



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Full Text search „Tungsten Deposits in USA“ files....

Searching... **5424 Instances found in 274 files**

Only parts of
search results
shown

- ARKDiamondsPeridotite.pdf
- ARKGeologyAlkalineIgneousRocksIjoliteMagnetCove1989.pdf
- ARZBarytesDeposits1960.pdf
- ARZCopperJohnsonCampProject2007-09.pdf
- ARZCopperMolybdenumSquawCreek2011-04.pdf
- ARZGeologyHaydenQuadrangle1977.pdf
- ARZGeologyHistory2012-01-02.pdf
- ARZHydrothermalMineralDepositsIgneousRocks
- ARZLeadWulfeniteGeologicalSettings2009-12.pdf
- ARZMiningHistoryGhostTownsCochiseCounty.pdf
- ARZMiningHistoryGhostTownsYavapaiCounty.pdf
- ARZTungstenPimaLasGuijas1970.pdf
- ARZUraniumDeposits1981-03.pdf
- ARZVanadiumLeadDeposits.pdf
- ARZFluorsparDepositsOverview1971.pdf
- CAL43-101 _ Peter Hahn Part 2.pdf
- CALDawri43-101 _ Peter Hahn.pdf
- CALLeadZincSilverCerroGordo1980.pdf
- CALMagnesiteDeposits1908.pdf
- CALMindat2013-04.pdf
- CALMineralInformationService1948-08.pdf
- CALMineralogyBariumSilicatesFresnoCounty1999-12.pdf
- CALMineralogyMineralsOfCalifornia1952.pdf

- COLGoldDepositGeologySanLuisCostillaCounty.pdf
- COLIndustrialMineralsDevelopment2011.pdf
- COLMineralDepositsMetalOccurrencesEconomicPotential1994.pdf
- COLMineralogyRhodochrositeSweetHomeAlma2007.pdf
- COLMolybdenumSilverCreekDeposit2007.pdf
- COLMolybdenumSilverCreekRico1995.pdf
- COLRhodochrositeSpecimenMiningSweetHomeMine2007.pdf
- COLTungstenWolframiteBoulder1941.pdf
- COLVanadiumDeposits1961.pdf
- IDAMolybdenumTungstenIMAMine2008-07.pdf
- IDATungstenScheeliteSpringfieldMineHistory2008-10.pdf
- IDATungstenScheeliteSpringfieldEnvironment2010.pdf
- MONManganeseMadison1918.pdf
- MONMiningPropertiesExplorationPrograms1950-1974.pdf
- MONMolybdenumBaldButte2008.pdf
- MONMolybdenumCannivanGulch2008.pdf
- MONPhosphatesMaxvillePhilipsburgAvon1937.pdf
- MONTungstenScheeliteSkarnsLostCreekPioneerMountains1977
- NEVCalciteSilverbearing1967.pdf
- NEVCobaltManganeseMillionHills1990.pdf
- NEVFluorsparInventory1961.pdf
- NEVGeologyGeneral2005.pdf



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Full Text Search for „Tungsten“ in individual files, e.g in „Arizona Baryte Deposits“ turns up the rather unknown Johnnie Boy Tungsten Prospect

- ARKDiamondsPeridotite.pdf
- ARKGeologyAlkalineIgneousRocksJoliteMagnetCove1989.pdf
- ARZBarytesDeposits1960.pdf
- ARZCopperJohnsonCampProject2000.pdf
- ARZCopperMolybdenumSquawCrevice1997.pdf
- ARZGeologyHaydenQuadrangle1997.pdf
- ARZGeologyHistory2012-01-02.pdf
- ARZHydrothermalMineralDepositsInArizona.pdf
- ARZLeadWulfeniteGeologicalSetting.pdf
- ARZMiningHistoryGhostTownsCochiseCounty.pdf
- ARZMiningHistoryGhostTownsYavapaiCounty.pdf
- ARZTungstenPimaLasGuijas1970.pdf
- ARZUraniumDeposits1981-03.pdf
- ARZVanadiumLeadDeposits.pdf
- ARZFluorsparDepositsOverview1997.pdf
- CAL43-101 _ Peter Hahn Part 2.ppt
- CALDawri43-101 _ Peter Hahn.ppt
- CALLeadZincSilverCerroGordo1980.pdf
- CALMagnesiteDeposits1908.pdf
- CALMindat2013-04.pdf
- CALMineralInformationService1948.pdf
- CALMineralogyBariumSilicatesFresnoCounty.pdf
- CALMiningHistoryMojaveDesert2000.pdf

ARZBarytesDeposits1960.pdf
Standard Tungsten Corp., S. C. Hu, president,
produced tungsten from claims to the east.

Johnnie Boy No. 1 Claim

The Johnnie Boy No. 1 claim is on the west slope of the Dragoon Mountains in the Coronado National Forest at an altitude of 5,700 feet. The corner common to sections 13, 14, 23, and 24, T. 18 S., R. 23 E., is within the claim boundaries. This claim is the westernmost one of an unpatented group owned by John F. Kreis, of Warren, Ariz., and is the only one that shows barite mineralization.

The deposit originally was located in January 1937 as the Head Center claim by E. B. Escapule. It is reported that sometime later a lessee mined and shipped 75 tons of sorted barite to a west-coast firm. In 1953 the Standard Tungsten Corp., S. C. Hu, president, leased the group from Kreis and produced tungsten from claims to the east.



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Searching for Tungsten in „Mining History of the Mojave Desert“ locates the little known Evening Star Tin-Tungsten Mine

- ⊕ ARKDiamondsPerid
- ⊕ ARKGeologyAlkali
- ⊕ ARZBarytesDeposit
- ⊕ ARZCopperJohnson
- ⊕ ARZCopperMolybd
- ⊕ ARZGeologyHayden
- ⊕ ARZGeologyHistory
- ⊕ ARZHydrothermal
- ⊕ ARZLeadWulfenite
- ⊕ ARZMiningHistoryG
- ⊕ ARZMiningHistoryG
- ⊕ ARZTungstenPinal
- ⊕ ARZUraniumDepos
- ⊕ ARZVanadiumLead
- ⊕ ARZFluorsparDepo
- ⊕ CAL43-101 _ Pete
- ⊕ CALDawri43-101 _
- ⊕ CALLeadZincSilverC
- ⊕ CALMagnesiteDepr
- ⊕ CALMindat2013-04
- ⊕ CALMineralInforma
- ⊕ CALMineralogyBariumSilicatesFresnoCounty1999-12.pdf
- ⊕ CALMiningHistoryMojaveDesert2005.pdf

CALMiningHistoryMojaveDesert2005.pdf

- ⊕ adjacent tungsten deposits, San Bernardino County, CA
- ⊕ the tungsten ore, scheelite. Mining began in 1906
- ⊕ iron, tungsten, copper, and lead. After the war, gold r

References cited

Anderson, D. E. and S. G. Wells, 1997. Late Pleistocene and Holocene valley-fill deposits of Lake Dumont. San Bernardino County Museum Association Quarterly, 44(2):29-32.

Aubury, Lewis E., 1908. The copper resources of California. California State Mining Bureau, Bulletin 50.

Beckerman, G.M., 1982. Petrology of the southern portion of the Teutonia batholith: a large intrusive complex of Jurassic and Cretaceous age in the eastern Mojave Desert, California. MS thesis, University of Southern California.

Bishop, Kim M., 2003. Miscene landslides within Avawatz Basin support hypothesis of a Paleozoic allochthon above Mesozoic metavolcanic rocks in the Soda and Avawatz Mountains, southeastern California. California State Fullerton, Desert Studies Consortium, 2003 Field Guide:43-47.

DeWitt, W.C., 1906. Geology and mineral resources of the Nevada quarter angle, California and Nevada. USGS Professional Paper 275.

Kapper, Jack, 2000. The geology and ore deposits of the Yellow Pine Mining District, Goodsprings, Clark County, Nevada. San Bernardino County Museum Association Quarterly, 47(2):78.

Labbe, Charles, 1960. Rocky trails of the past:222.

Ligonblatter, Richard E., 1986. Death Valley and the Amargosa, a land of illusion. Berkeley, University of California Press:604 p.

McCarthy, Michael, D.R. Lux and K.L. Mickus, 1995. Neogene structural evolution of the Woods Mountains volcanic center, East Mojave National Scenic Area, San Bernardino County Museum Association Quarterly, 42(3):75-80.

Morton, D.M., K. D. Watson, and A. K. Baird, 1991. Alkalic silicate rocks of the Mountain Pass district, San Bernardino County, CA. San Bernardino County Museum Association Special Publication, SP 91-1:90 - 98.

Mulqueen, Steven P., 2002. Borax Smith and the T & T Railroad. CSU Fullerton, Desert Studies Consortium:19-25.

Myers, W.A. 1983. Iron Men and Copper Wires. Glendale: Trans_Anglo Books.

Myrick, D.F., 1968. Railroads of Nevada and Eastern California, vol 2, the southern roads. Berkeley: Howell-North Books.

Page, L.R. and J.H. Wise, 1945. The Evening Star tin deposit and adjacent tungsten deposits, San Bernardino County, California. USGS technical reports section.

Rite, G. T. and Geoff Nason, 1991. Molycorp's Mountain Pass Mine. San Bernardino County Museum Association Special Publication, SP 91-1:87-89.

Reynolds, R.E., 1995. Wild Horse Mesa pack mule trails. San Bernardino County Museum Association Quarterly, 42(3):85-88.

Reynolds, R. E., David Miller, J.E. Nielson, and Michael McCurry, 1995. Field notes on the conduct surface of the East Mojave Desert, San






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Example 4 : Somebody told you about an exciting Rare Earth deposit called „Eureka“ in Namibia and you decide to find more data about it

Try Simple Search first, which locates 3 papers about the Eureka deposit :

-  [NAM-WESTRareEarthCarbonatitesMonaziteEureka1960.pdf](#)
-  [NAM-WESTRareEarthCarbonatitesMonaziteEureka1965.pdf](#)
-  [NAM-WESTRareEarthThoriumCarbonatitesMonaziteEureka2009.pdf](#)

For more information about Eureka use the Full Text Search option on Namibia, which will find another 10 relevant documents about the Eureka deposit



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Example 4 : opening file...

-  ~~NAM-WESTRareEarthCarbonatitesMonaziteEureka1960.pdf~~
-  NAM-WESTRareEarthCarbonatitesMonaziteEureka1965.pdf
-  NAM-WESTRareEarthThoriumCarbonatitesMonaziteEureka2009.pdf

*On a skarn monazite occurrence from the Namib
desert near Usakos, South-West Africa.*

By O. VON KNORRING, Ph.D., and T. N. CLIFFORD, Ph.D.

Research Institute of African Geology, University of Leeds.

[Read 3 November 1960.]

Summary. An unusual monazite deposit of metasomatic origin is described. The monazite occurs as randomly oriented crystals in a dolomitic marble. The chemical composition and optical data of the monazite are given.

DURING 1959, in the course of a geological investigation in the Karibib-Swakopmund area of South-West Africa, a unique monazite deposit was examined at a locality some 21 miles west-south-west of the town of Usakos. The monazite occurs as large, randomly oriented, reddish-brown, platy crystals or aggregates up to 5 in. in length, embedded in a coarse, iron-stained dolomitic marble. This remarkable rock has been exposed in a number of prospectors' pits that



So what can ECO – MINE do for me ?

ECO – MINE gives you very fast and global access to vast information about Economic Mineral and Mining Potential and related data and will...

- show you mineral potentials you never heard of before**
- help you perform strategic target generation in any area and any commodity you like**
- gives you comprehensive status information about the mineral and mining industry of countries and regions**



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But I can do that myself by Googling...

Yes, indeed you can, but it will take you a looong time !

**...and we have done this work for you already,
so you can save a lot of time and money !**





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I want to use ECO-MINE, where can I get it ?

At this stage, ECO – MINE is in Beta Phase, as we are still working on improving some features.

However here is the deal :

Send us an Email at info@mineral-exploration.de and tell us, which data or commodity you are looking for and we will do the search work for you and send you all relevant information.



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This service is free of charge for you, but if you find our data convincing and decide to go ahead with a project based on these findings, we would like to work on this project as paid consultants for you.

We can offer you 20+ years of experience, JORC / NI 43-101 compliance etc., for further information please have a look at our website at www.mineral-exploration.com

Sounds like a good deal ?

Then please do not hesitate to contact us at :

**ECO-MINE Dr.Krassmann Tel. 0049 - (0) 9841 - 7302
Email : info@mineral-exploration.de**



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**Wait a bit...I would rather like to get the whole
ECO – MINE Database for my company**

This is possible, please contact us for more details

**ECO-MINE Dr.Krassmann Tel. 0049 - (0) 9841 - 7302
Email : info@mineral-exploration.de**

Thank you for your attention and have a nice day !

Thomas Krassmann, Ph.D and team