



IPMI European Chapter

What will our metal's future look like in Europe?

Prague, 14.November 2017

Conflict-free Gold

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Catalysis



Energy
Materials



Recycling





Umicore Recycling



Hoboken, Belgium



Pforzheim, Germany



Vienna, Austria
Soukenická ul. 13, Prague

Byproduct recycling



Battery recycling



Scrap recycling



Products



Scrap recycling



Pt ware



E-scrap



Spent catalysts



Coin blanks



Investment bars



Surface treatment



Investment bars





Gold in the news



Basel World 2016

Bloomberg Gold Company Manager Charged in Vast Peruvian Smuggling Plot

Gold Company Manager Charged in Vast Peruvian Smuggling Plot

by Michael Smith and David Voreacos
16. März 2017 05:00 Updated on 16. März 2017 20:47

- U.S. says narco-terrorists part of multibillion-dollar plot
- Charges signal U.S. crackdown on illegal gold from Amazon

The operations manager at a metals-refining company was charged with helping run a gold smuggling network that reaped billions of dollars for illegal drug dealers and other criminals in South America.

Bloomberg News March 2017

WirtschaftsWoche

UNTERNEHMEN FINANZEN POLITIK ERFOLG TECHNOLOGIE

Schweizer Raffinerie soll Blutgold besitzen



WiWo 2013

SPIEGEL ONLINE DER SPIEGEL SPIEGEL TV

WIRTSCHAFT

Nachrichten > Wirtschaft > Gold > Gold: Ist der faire Handel bloß ein Mythos?

Rohstoffe aus Krisenregionen Schmutziges Gold

Gold ist das begehrteste Material der Welt - doch es finanziert auch Kriege. Die Branche bemüht sich die Branche um fairen Handel und Abbau. Ein Besuch in ein Krisenland.

Spiegel 05. March 2016

SRF

NEWS SPORT METEO KULTUR DOK

FILM & SERIEN GESELLSCHAFT & RELIGION WISSEN NETZWELT LITERATUR

SCHWEIZER FILMPREIS 2017

«Heutzutage ist eigentlich jedes Gold dreckig»



What Gold is expected from a Gold Refiner?

Criteria for raw Gold production:

- Conflict-free
- No child labor
- No forced labor
- Acceptable working conditions in the mines
- Responsible mining (minimal use of land, chemicals, water)
- Gold from formalized (registered) mines

Sourcing:

- No smuggling
- No money laundering
- Legal origin of the gold
- Due diligence - KYC

Sales of fine gold:

- Purity
- Certificate



Many terms for „good gold“

- Eco Gold
- Conflict-free Gold
- Green Gold
- Responsible Gold
- Fair Gold
- Ethical Gold
- Better Gold
- Recycling Gold



The legal requirements for gold trading

OECD- guidelines (May 2011):

Responsible mining and due-diligence of the supply chain

Dodd-Frank Act, Sect 1502 (Aug 2012):

Direct suppliers of public US companies have to disclose conflict minerals (3TG).

Goal: Avoidance of conflict financing

EU law (Feb 2021)

approved by the parliament. Requirement of a due-diligence.



The origin of Gold

1300 t (30%) from recycling
3200 t (70%) from mining



TOP 20 GOLD MINING COUNTRIES

Rank			Production (t)	
2016	2015		2015	2016
1	1	China	450.1	453.5
2	2	Australia	279.2	290.5
3	3	Russia	249.5	253.5
4	4	United States	218.2	236.0
5	5	Indonesia	176.3	168.2
6	7	Canada	159.0	165.0
7	6	Peru	175.9	164.5
8	8	South Africa	151.0	150.0
9	9	Mexico	135.8	120.5
10	10	Ghana	95.3	95.0
11	12	Brazil	81.8	83.3
12	11	Uzbekistan	83.2	82.9
13	14	PHC	57.2	59.9
14	13	Argentina	63.8	57.4
15	15	Mali	49.0	49.8
16	16	Tanzania	46.8	48.7
17	19	Philippines	46.7	48.5
18	17	Colombia	47.6	48.3
19	18	Kazakhstan	48.2	48.0
20	20	Dem. Rep of Congo	45.7	44.4
		Rest of the World	548.5	554.3
		World Total	3,208.6	3,222.3

Source: GFMS, Thomson Reuters



Gold from large-scale mining



Grasberg Cu-Au mine Indonesia
Width: 4 km

Facts:

- Less acceptance of the local community
- Use of land
- Use of water
- (Safe) use of cyanides
- Waste water generation
- Tailings

Gold Mine with Cyanide Leach Piles and Ponds
in South Dakota, U.S.



Cyanide decomposition





Gold from small-scale mines



Ser Formal Vale Oro - MACDESA



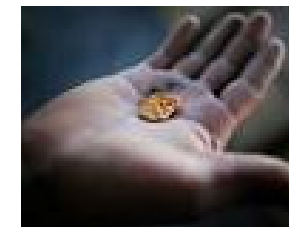
CECOMIP mit Fairmined Cert.

Facts:

- Acceptance of the local community
- Use of land
- Use of water
- (Safe) use of cyanide
- Waste water generation
- Tailings

Unresponsible Gold Production

- Land destruction
- Release of mercury
- Child or forced work
- Unsafe work
- Tax evasion



Gold from Recycling

Facts:

- No use of land
 - No use of cyanide or mercury
 - No tailings
 - Controlled workspace
-
- Due diligence - KYC
 - Use of water, energy and acids





Jungle of Labels

Audited industrial standard:

[LBMA](#)
[RJC](#)
[CoC](#)
[EICC](#)
[CFSI](#)



Other audited standards

[Fairtrade](#)
[Fairmined](#)
[SCS Recycled Gold](#)



Company standards

[Green Gold](#)
[5C](#)
[Kering code of ethics](#)





Conclusions:

- The reputation of Gold is OUR concern!
- Let us not lower the standards
- Application of a strict KYC - due diligence processes
- Cross-acceptance of standards and audits
- Certified „responsible“ Gold provides added-value
- Marketing of Gold – IPMI !



Thank you for your kind attention!

