

## Open Data Dictionary

### Artisanal mining sites in eastern DRC

Updated: 2023.11.28

**Table:** cod\_mines\_curated\_all\_opendata\_p\_ipis

Column name	Description	Data type	Values
<b>-- Identifiers</b>			
<b>FID</b>	Features ID, automatically generated by the geoserver	text	
<b>vid</b>	ID for views	integer	
<b>source</b>	Source of the data	text	Mainly: <i>IPIS-Ministère des Mines, IPIS, BGR, Third-party.</i>
<b>project</b>	Project during which the data was recorded	text	Only: <i>IPIS - ..., Statut de qualification, statut iTSCi, KPCSC - Grassroot research, PAX.</i>
<b>pcode</b>	Unique identifier per mining site (used internally by IPIS)	text	
<b>name</b>	Name of the mining site	text	
<b>-- Date and location</b>			
<b>visit_date</b>	Date of the visit	text	YYYY-MM-DD
<b>visit_onsite</b>	Were the enumerators able to visit the site?	integer	Only: <i>1 (true), 0 (false), NULL (not measured).</i>
<b>visit_onsite_novisitreason</b>	Reason why the enumerators were not able to visit the site	text	

<b>geom</b>	Geometry	geometry (exported as WKT)	
<b>longitude</b>	Longitude	double precision	
<b>latitude</b>	Latitude	double precision	
<b>location_origin</b>	Origin of the location data	text	Only: <i>GPS, Approximation</i> (approximative location).
<b>province</b>	Province	text	Mainly: <i>Sud-Kivu, Nord-Kivu, Ituri, Maniema, Tanganyika, Haut-Lomami, Tshopo, Haut- Uele, Haut-Katanga.</i>
<b>province_old</b>	Former province name before 2015	text	Only: <i>Orientale, Maniema, Nord-Kivu, Sud-Kivu, Katanga.</i>
<b>territoire</b>	Territory	text	
<b>collectivite</b>	Collectivity	text	
<b>groupement</b>	Groupement	text	
<b>village</b>	Closest village	text	
<b>-- Number of workers</b>			
<b>workers_num</b>	Number of workers. This includes all the people that are involved in the exploitation at the site (creuseurs, laveurs, transporteurs, ...)	integer	
<b>-- Access</b>			
<b>access_dry</b>	Accessibility during the dry season	text	Only: <i>carmoto</i> (directly accessible by car or motorbike), <i>less2h</i> (access includes walking for 2h or less), <i>more2h</i> (access includes walking for more than 2h), <i>NULL</i> (not measured).
<b>access_wet</b>	Accessibility during the wet season	text	Only: <i>carmoto</i> (directly accessible by car or motorbike), <i>less2h</i> (access includes walking for 2h or less), <i>more2h</i> (access includes walking for more than 2h), <i>NULL</i> (not measured).
<b>-- Minerals and processing</b>			
<b>is_3t_mine</b>	Is at least one of the 3T minerals produced on this site?	integer	Only: <i>1</i> (true), <i>0</i> (false), <i>NULL</i> (not measured).
<b>is_gold_mine</b>	Is gold produced on this site?	integer	Only: <i>1</i> (true), <i>0</i> (false), <i>NULL</i> (not measured).
<b>mineral1</b>	Main mineral	text	Mainly: <i>Or, Cassitérite, Coltan, Wolframite, Diamant, Cuivre.</i>
<b>selling_points_mineral1</b>	Closest selling points	text	Comma separated list of places. ' <i>Au site</i> ' when on site.

<b>final_destination_mineral1</b>	Final destination inside DRC	text	Comma separated list of places.
<b>mineral2</b>	Mineral 2	text	Mainly: <i>Or, Cassitérite, Coltan, Wolframite, Diamant, Cuivre.</i>
<b>selling_points_mineral2</b>	Closest selling points	text	Comma separated list of places. ' <i>Au site</i> ' when on site.
<b>final_destination_mineral2</b>	Final destination inside DRC	text	Comma separated list of places.
<b>mineral3</b>	Mineral 3	text	Mainly: <i>Or, Cassitérite, Coltan, Wolframite, Diamant, Argent.</i>
<b>selling_points_mineral3</b>	Closest selling points	text	Comma separated list of places. ' <i>Au site</i> ' when on site.
<b>final_destination_mineral3</b>	Final destination inside DRC	text	Comma separated list of places.
<b>mercury</b>	Is mercury processing of gold applied on the site? (does not refer to mercury processing at a later stage)	integer	Only: <i>1</i> (true), <i>0</i> (false), <i>NULL</i> (not measured).
<b>-- Armed groups</b>			
<b>presence</b>	Is there at least one armed group that is present at the mining site (regularly or not)?	integer	Only: <i>1</i> (true), <i>0</i> (false), <i>NULL</i> (not measured).
<b>interference</b>	Is there either at least one non-state armed group present at the site, or at least one state armed group that is conducting illegal activities. These include the activities below if they are recorded at the site.	integer	Only: <i>1</i> (true), <i>0</i> (false), <i>NULL</i> (not measured).
<b>armed_group1</b>	Main armed group present on the mining site	text	Mainly: <i>FARDC, Raïa Mutomboki, FDLR, NDC, NDC-Rénové, Maï-Maï.</i>
<b>type_armed_group1</b>	Type of armed group	text	Mainly: <i>Aucun</i> (no armed group present), <i>Groupe armé étranger</i> , <i>Groupe armé local</i> (Other non-state armed group), <i>FARDC - Pas de données sur les ingérences</i> (FARDC with no data on illegal activities), <i>FARDC - Pas d'ingérence constatée</i> (FARDC not performing illegal activities), <i>FARDC - Éléments indisciplinés</i> (FARDC performing illegal activities), <i>NULL</i> (not measured).

<b>frequency_armed_group1</b>	Frequency of presence	text	
<b>taxation_armed_group1</b>	Does this group tax the production?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>commerce_taxation_armed_group1</b>	Does this group tax the commerce of certain goods on the site?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>entrance_taxation_armed_group1</b>	Does this group tax the passage of people into the site using a barrier?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>monopoly_armed_group1</b>	Does this group have the monopoly on selling productions at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>buying_minerals_armed_group1</b>	Does this group buy minerals at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>digging_armed_group1</b>	Does this group dig itself at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>forced_labour_armed_group1</b>	Does this group force the miners to work for them?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>pillaging_armed_group1</b>	Does this group perform pillaging at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>pit_ownership_armed_group1</b>	Is this group an owner of <i>chantiers</i> or pits at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>armed_group2 (or 3)</b>	Second (or third) armed group	text	Mainly: FARDC, Raïa Mutomboki, FDLR, NDC, NDC-Rénové, Mai-Mai.
<b>type_armed_group2 (or 3)</b>	Type of armed group	text	Mainly: <i>Aucun</i> (no armed group present), <i>Groupe armé étranger</i> , <i>Groupe armé local</i> (Other non-state armed group), <i>FARDC - Pas de données sur les ingérences</i> (FARDC with no data on illegal activities), <i>FARDC - Pas d'ingérence constatée</i> (FARDC not performing illegal activities), <i>FARDC - Éléments indisciplinés</i> (FARDC performing illegal activities), <i>NULL</i> (not measured).
<b>frequency_armed_group2 (or 3)</b>	Frequency of presence	text	
<b>taxation_armed_group2 (or 3)</b>	Does this group tax the production?	integer	Only: 1 (true), 0 (false), NULL (not measured).

<b>commerce_taxation_armed_group2 (or 3)</b>	Does this group tax the commerce of certain goods on the site?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>entrance_taxation_armed_group2 (or 3)</b>	Does this group tax the passage of people into the site using a barrier?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>monopoly_armed_group2 (or 3)</b>	Does this group have the monopoly on selling productions at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>buying_minerals_armed_group2 (or 3)</b>	Does this group buy minerals at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>digging_armed_group2 (or 3)</b>	Does this group dig itself at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>forced_labour_armed_group2 (or 3)</b>	Does this group force the miners to work for them?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>pillaging_armed_group2 (or 3)</b>	Does this group perform pillaging at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>pit_ownership_armed_group2 (or 3)</b>	Is this group an owner of <i>chantiers</i> or pits at the mine?	integer	Only: 1 (true), 0 (false), NULL (not measured).
<b>-- Mechanisation and tools</b>			
<b>mechanisation</b>	Based on the tools used at the mine, what is its level of mechanisation?	Text	Only: <i>Haut</i> (high), <i>Moyen</i> (medium), <i>Bas</i> (low), NULL (not measured).
<b>-- State services and traceability</b>			
<b>state_service1</b>	State service 1	text	Mainly: SAESSCAM (SAEMAPE), iTSCi (via SAESSCAM), Division des mines, Police des mines, Chefferie, NULL (absent or not measured).
<b>state_service2</b>	State service 2	text	Mainly: SAESSCAM (SAEMAPE), iTSCi (via SAESSCAM), Division des mines, Police des mines, Chefferie, NULL (absent or not measured).
<b>state_service3</b>	State service 3	text	Mainly: SAESSCAM (SAEMAPE), iTSCi (via SAESSCAM), Division des mines, Police des mines, Chefferie, NULL (absent or not measured).

<b>state_service4</b>	State service 4	text	Mainly: <i>SAESSCAM (SAEMAPE)</i> , <i>iTSCi (via SAESSCAM)</i> , <i>Division des mines</i> , <i>Police des mines</i> , <i>Chefferie</i> , <i>NULL</i> (absent or not measured).
<b>traceability</b>	Traceability activity on mining site. The sites labelled as ' <i>iTSCi (not visited by IPIS)</i> ' were shared by a third-party. The presence of iTSCi programme is therefore presumed but not confirmed yet by IPIS teams in the field.	text	Only: <i>iTSCi</i> , <i>iTSCi (not visited by IPIS)</i> , <i>Better Mining (BSP)</i> , <i>ITOA</i> , <i>NULL</i> (not measured).
<b>-- Qualification</b>			
<b>qualification</b>	Ministerial qualification	text	Only: <i>Vert</i> (green), <i>Bleu</i> (blue), <i>Jaune</i> (yellow), <i>Rouge</i> (red), <i>Not class</i> , <i>NULL</i> (not measured).
<b>-- Child and women work</b>			
<b>childunder15</b>	Are there children younger than 15 yo working at the mine?	integer	Only: <i>1</i> (true), <i>0</i> (false), <i>NULL</i> (not measured).
<b>childunder15work</b>	Work the children younger than 15 yo are involved in	text	
<b>women</b>	Are there women working at the mine?	integer	Only: <i>1</i> (true), <i>0</i> (false), <i>NULL</i> (not measured).
<b>womenwork</b>	Work the women are involved in	text	