

# ATELIER A11 : Comprendre les rouages techniques de la mine

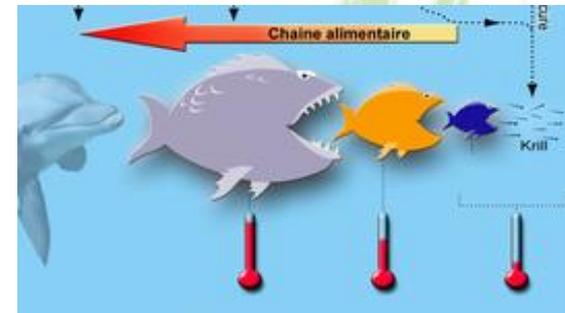
Session 2 : Impacts sanitaires et environnementaux

Forum PACTe – 8/10 septembre 2017  
Mobilisations face aux impacts miniers

# Sources, impacts, toxicité...

Source ≠ Impact ≠ Risque

Polluant ≠ Toxique



# Principaux impacts environnementaux et sanitaires



Maladies  
professionnelles



Contamination du  
milieu de vie



Mise en péril des  
eaux domestiques



Mise en péril des  
ress. de subsistance



Dommages aux  
écosystèmes



Atteinte à la  
biodiversité



Pollution des sols



Pollution des eaux



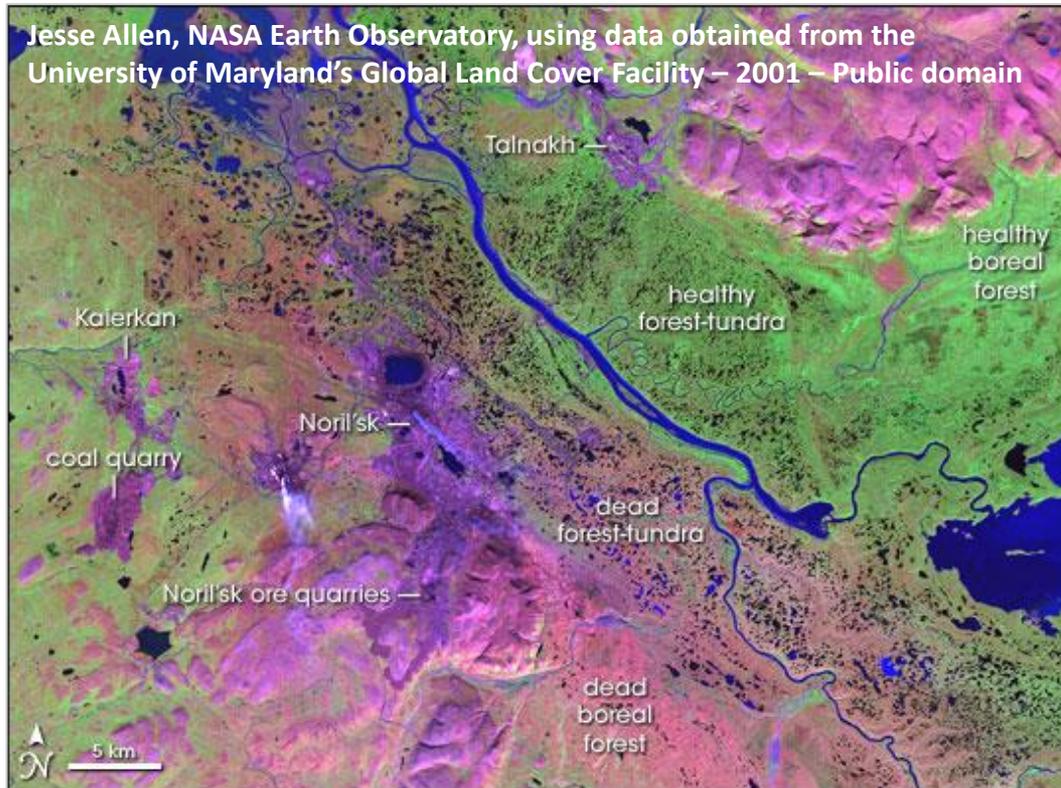
Pollution de l'air



# Des pollutions diffuses et persistantes



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*La rivière Dal'dykane contaminée par une fuite sur le site de Norilsk en septembre 2016 / Source : l'express.fr*

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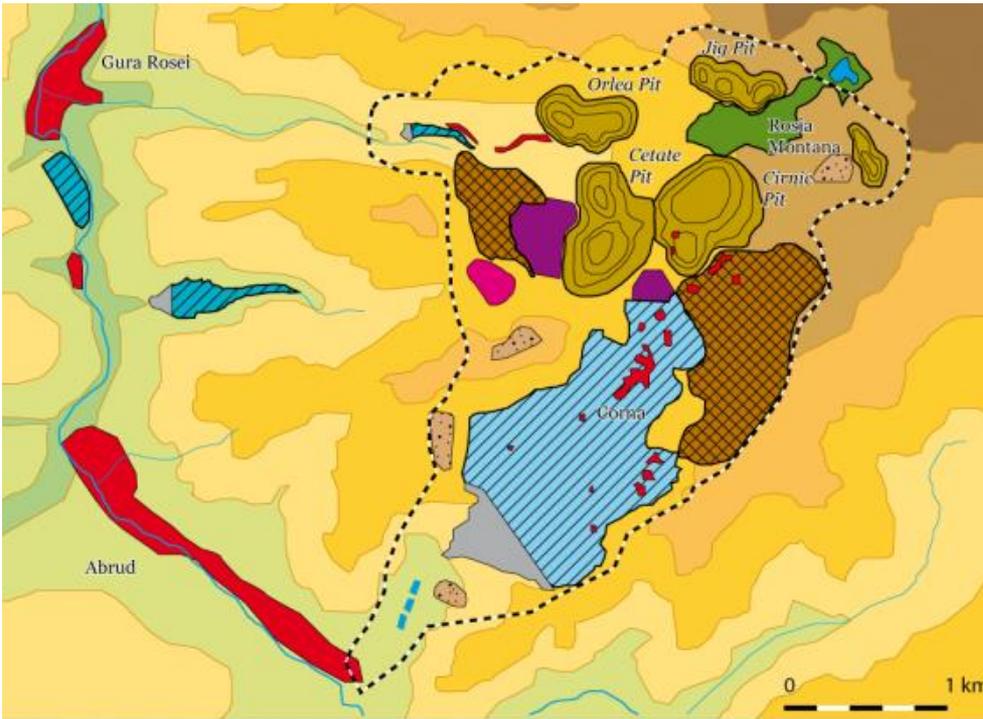


Source : Jean-Kévin Aimé Tsiba - L'exploitation minière et l'environnement au Gabon : le cas du manganèse et de l'uranium dans la région du Haut-Ogooué

# Des impacts de plus en plus graves, gouvernés par des logiques économiques et financières



# Des impacts de plus en plus graves, gouvernés par des logiques économiques et financières



Anciens sites miniers de Rosia Montana  
[ISF SystExt – 2016 - cc]



M. Deshaies



# Des impacts de plus en plus graves, gouvernés par des logiques économiques et financières

## Mining Mountains

How mountaintop mining is done and its effects on the environment:

### THE PROCESS

**1** Trees are clear-cut, and explosives are used to loosen the rock and topsoil.

**2** Huge shovels dig into the topsoil, and trucks start hauling it away.

**3** A dragline digs into the rock to expose the coal.

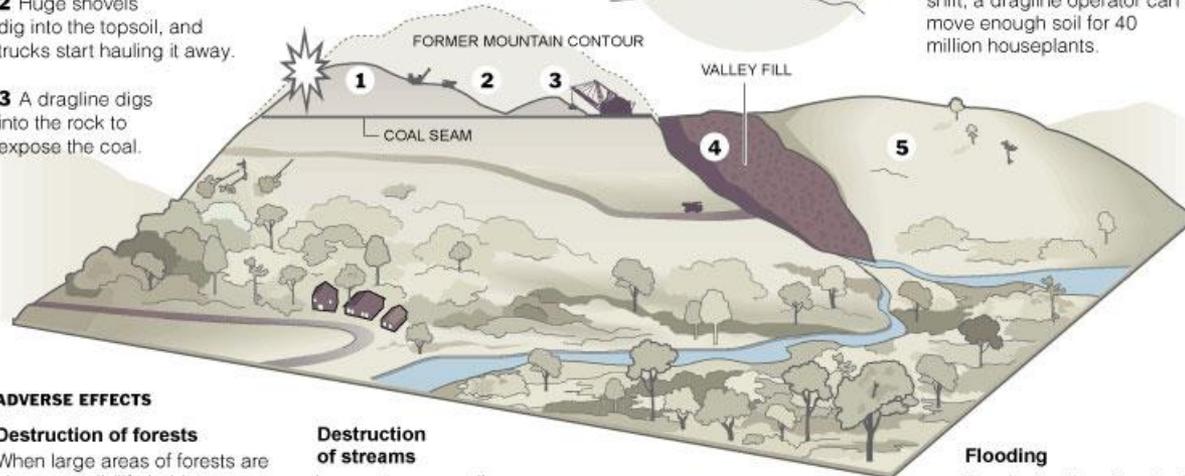
**4** The draglines and 250-ton trucks dump the topsoil and rock into areas called valley fills.

**5** Coal companies are supposed to reclaim land, but native trees have trouble growing on disturbed topsoil.



### Giant earthmovers

In the last decade, the scope and scale of mountaintop mining has escalated with dragline use. These machines can weigh up to 8 million pounds and stand as tall as a 20-story building. In an 8-hour shift, a dragline operator can move enough soil for 40 million houseplants.



### ADVERSE EFFECTS

#### Destruction of forests

When large areas of forests are clear-cut, wildlife habitats are destroyed. Wildlife and plantlife become more vulnerable to predatory species.

#### Destruction of streams

In recent years, valley fills have buried or damaged 1,200 miles of streams.

#### Blasting

Explosions can cause damage to home foundations and wells.

#### Flooding

The destruction of natural streams by valley fills and the loss of vegetation can cause flooding.

Sources: Arch Coal Inc., West Virginia Department of Environmental Protection, Ohio Valley Environmental Coalition, Natural Resources Defense Council

Allisa Nance/The New York Times



Mines de charbon en Virginie, Etats-Unis  
[Earthworks - 2008 - cc]

# Questions et poursuite des échanges

- Comment accédez-vous à des informations techniques ?

*How do you access to technical information?*

- Comment comprenez-vous ces informations ?

*How do you understand this information?*

- Quels usages en faites vous ?

*How do you use this information?*

