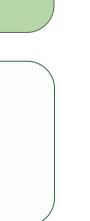
# HEALTH ISSUES RELATED TO 5G

## 1. HEALTH DANGERS WITH A DEPLOYED 5G NETWORK

#### I. THE HARM OF ELECTROMAGNETIC RADIATION

#### EXPERIMENT WITH CELLPHONE RADIATION ON RATS

- DISCOVERY OF TUMOURS AT A FEDERAL ALLOWED LEVEL OF RADIATION
- RAPIDLY INCREASING WITH MORE RADIATION





- DIFFICULT TO PROJECT THE RESULTS TO HUMANS
- SHOWS THE NEED OF MORE STUDIES

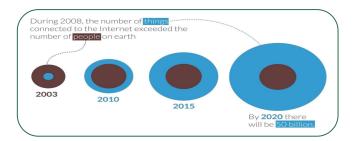
#### I. WHY 5G IS MORE DANGEROUS THAN PREVIOUS NETWORKS

HIGHER DENSITY OF RADIOS

AND TRANSMITTERS

TRANSMITTERS LOCATED CLOSER TO HUMANS

SHORT RANGE WAVES
USED FOR LONG RANGE
APPLICATIONS



PREDICTION: 50 BILLIONS CONNECTED OBJECTS BY 2020

UNTESTED FREQUENCIES FROM 24 TO 100 GHZ

CURRENT SPEED AND
DENSITY DETERMINED
IN REGARD OF HUMAN
HEALTH

## II. WHAT ABOUT THE <u>PRODUCTION</u> OF OUR CONNECTED OBJECTS...?

#### II. WHAT ABOUT THE PRODUCTION?

#### GETTING THE COMPONENTS

- MANY METALS
  - ONE OF THE WORST: COBALT IN CONGO

30 grams

USED FOR LITHIUM-ION BATTERIES





TYPICAL ELECTRIC CAR 5 to 10 kilos



5 to 10 grams





NON-RENEWABLE RESOURCES



REDUCE SOIL FERTILITY



POLLUTION OF ECOSYSTEMS AROUND



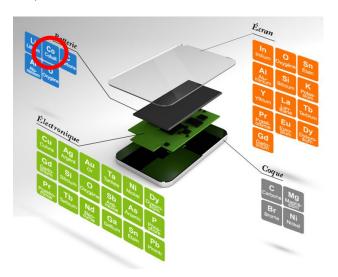
RISKS FOR HUMAN IN MINES



Congo Canada Australia Russia Cuba Philippines Zambia

South Africa Brazil

FEED BLACK MARKETS (ARMS, DRUGS...)



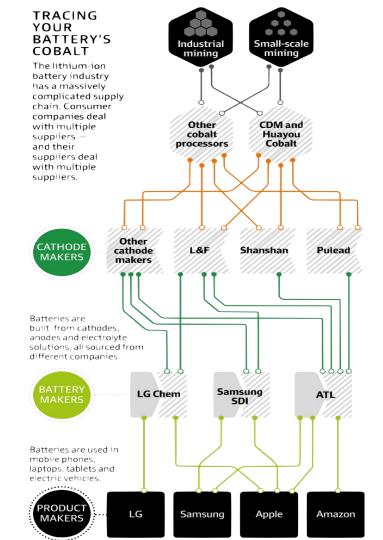
#### II. WHAT ABOUT THE PRODUCTION?

#### 1.1 PRODUCTION OF COBALT

- FROM ABOUT 7 YEARS OLD
- 12 HOURS A DAY
- NO PROTECTIVE CLOTHING OR EQUIPMENT
- PAY IS BASED ON WHAT THEY FIND
- MAX \$2 TO \$3 ON A GOOD DAY
- NO RESCUE WHEN ACCIDENT



A DIGGER CLIMBS THROUGH A COBALT AND COPPER MINE IN KAWAMA, CONGO.





#### II. WHAT ABOUT THE PRODUCTION?

#### 2. ASSEMBLY PLANTS

HALF OF THE LABOURERS ARE CHILDREN

- EXTREMELY CHEAP
- EASY TO BE CONTROLLED

HTTPS://YOUTU.BE/W2PZQ-XPRQU?T=946





#### 3. WARS, ARMED CONFLICTS

BENEFITS FROM ORES FEED BLOODY CONFLICTS IN CONGO



#### 4. POLLUTION

97% OF THE WORLDWIDE PRODUCTION OF NEODYM COMES FROM BAOTOU, CHINA

- →1 TONNE OF GARBAGE AND 75 000 LITERS OF POLLUTED WATER FOR ONE TONE OF NEODYM
- → PEOPLE AROUND DIE BEFORE 40
- → MUTATIONS AND TUMORS FOR PEOPLE AND CATTLE
- → FIELDS CONTAINING **ARSENIC, LITHIUM, MANGANESE, STRONTIUM, SODIUM, URANIUM** (6 TIMES ABOVE THE LAWS) AND **SULFATES** (10 TIMES)





"THEY USED TO HIRE WOMEN IN THESE FACTORIES INSTEAD OF MEN,
BECAUSE THEY WERE EASY TO BE CONTROLLED. BUT NOW WOMEN WANT
TO BE WELL-PAID AND HAVE BETTER CONDITIONS, SO THEY HIRE
CHILDREN, WHO ARE EVEN MORE OBEDIENT."

# III. A PART OF THE WORLD IS EXPLOITED... FOR WHAT?

#### II. A PART OF THE WORLD IS EXPLOITED... FOR WHAT?

### 1. ARE EVERY CONNECTED OBJECTS USEFUL...?







The intestinal Track 2.0 is a smart pill you ingest that Tweets you when it detects an impending bowel movement.





#### II. A PART OF THE WORLD IS EXPLOITED... FOR WHAT?

### 2. IS THERE ANY SOLUTION TO PRODUCE THEM IN A MORE ETHICAL WAY?

- Read studies and guides
  - O EXAMPLE:

HTTP://WWW.ETHICALCONSUMER.ORG/



FAIRPHONE



Brand out of 20 15 Fairphone smartphone [S] LG mobile phones [S] Doro mobile phone Sony Xperia mobile phones [S] iPhone smartphone [S] Alcatel mobile phones Archos smartphones 1.5 Huawei Mate S & Mate 8 [S] Acer smartphones ZTE mobile phone Blackberry smartphones [S] Google Pixel smartphone Moto smartphones **HTC** smartphones 0 Huawei smartphone 0 Microsoft Lumia/Surface Smartphone Nokia mobile phones Samsung Galaxy Note 4 [E,S] Samsung mobile phones [S]

Score

REMEMBER THAT THE CONSUMER HAS THE FINAL CHOICE!



"THE GLAMOUROUS SHOP DISPLAYS AND MARKETING OF STATE

OF THE ART TECHNOLOGIES ARE A STARK CONTRAST TO THE

CHILDREN CARRYING BAGS OF ROCKS, AND MINERS IN NARROW

MANMADE TUNNELS RISKING PERMANENT LUNG DAMAGE."

## THANK YOU NOW LET'S DEBATE!