

### **!!DON'T THROW AWAY YOUR** PHONE!! Project "Il linguaggio della ricerca"

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IB IIS "L. Nobili" RE a.s. 2016/17

This activity has received funding from the European Institute of Innovation and Technology (EIT), a body of the European Union, under the Horizon 2020, the EU Framework Programme for Research and Innovation





# MAIN PROBLEMS

# POLLUTION

# Rare metalsdepletion



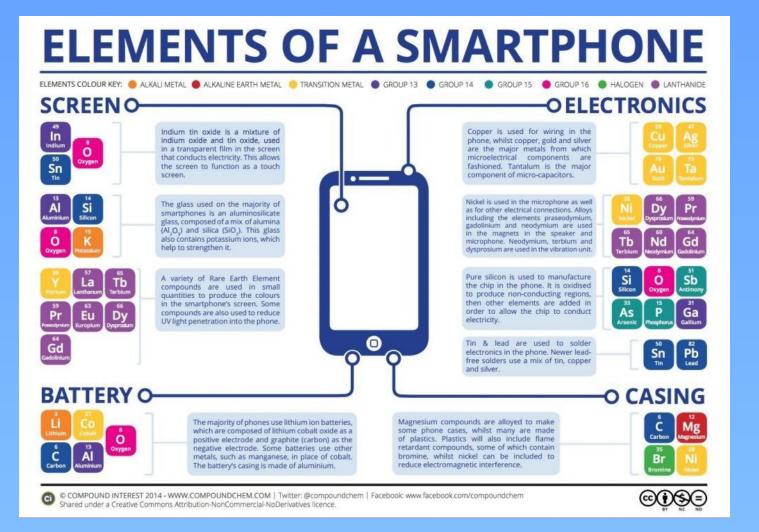
# !!POLLUTION!!

A lot of materials and metals used in mobile phones are recyclable !!!!!



## ELEMENTS PRESENT IN A SMARTPHONE @Schools

RawMaterials



96% of a cell phone can be reused



# RESOURCES ARE NOT INFINITE, BUT THEY ARE NECESSARY FOR **PROGRESS**



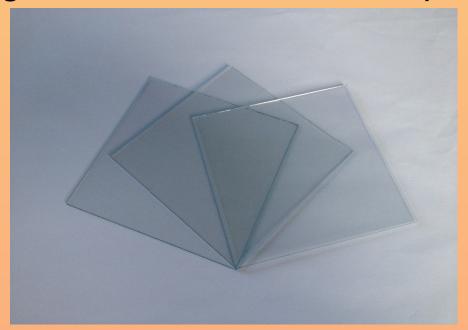
# The 3 most abundant elements on the Earth are:

- 1. Oxygen
- 2. Silicon
- 3. Aluminum

### Rare metals depletion



Indium is a metal that has been used more and more since it is a good conductor and is transparent



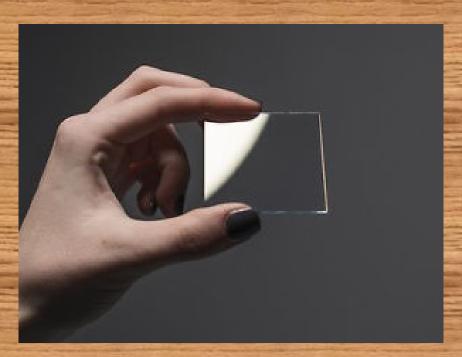
It is used in:

- Flat screens
  - Solar Cells
- SMART WINDOWS



# 2014

- 1 billion cell phones on the earth
  - 16 million in Italy
  - 4.8 km<sup>2</sup> of Indium oxide





### **Sources:**



https://it.wikipedia.org/wiki/Telefono\_cellulare

### https://

www.google.it/search?q=wikipedia+non+buttare+il+cellulare&sou rce=lnms&tbm=isch&sa=X&ved=0ahUKEwjk6eT89ufTAhVKZlAKHTM4DvEQ AUIBigB&biw=1366&bih=662#tbm=isch&q=non+buttare+il+cellulare

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www.google.it/search?q=perche+riciclare+il+cellulare&source=l nms&tbm=isch&sa=X&ved=0ahUKEwj635myv-jTAhUjLcAKHc\_YCZEQ\_AUIBi gB&biw=1366&bih=613#imgrc=3ElawIdOXU1diM

#### Thanks to Dr.Canino M.

Teachers: Ambrogi P., D'Orazio B., Pandini E.M.