

# Smarter mobile phones



Smartphones possess multiple features that would not exist without critical raw materials. For example, **indium** enables your screens to be tactile. The performance of the microphone and loudspeaker relies on magnets (a mixture of iron, boron and **neodymium**). **Tantalum and silicon** are the perfect allies for electronic chips. Be it metal (**magnesium alloy**) or plastic, the casing of your device contains a rechargeable battery made of eight grams of **cobalt**. With seven million mobile phones sold worldwide since 2007, the reserves for certain raw materials are declining. Since 2011, the European Commission has been publishing a list of critical raw materials: currently, there are 27. To better preserve these resources, **the EU H2020 project – SCRREEN** proposes solutions for eco-design, substitution and recycling of electronic devices. Its main objective: to develop and promote European policies on circular economy.

[www.scrreen.eu](http://www.scrreen.eu) 



*The superpowers of the new critical raw materials* is a communication campaign organised by SCRREEN, a European project which has received funding from the Horizon 2020 under Grant Agreement n°730227.

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