



BIOMEDE

WE CURE VINEYARDS SOILS USING PLANTS

TOP 500 WORLD DEEPTech
PEPITE FRANCE AGRICULTURE INNOVANTE
GREENTech INNOVATION

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1. *THE CHALLENGE: THE NATURAL REGENERATION OF VINEYARD SOILS*
 2. *DESCRIPTION OF BIOMEDE'S OFFER*
 3. *COMPONENTS OF OUR SOLUTIONS*

1

THE CHALLENGE
*THE REGENERATION OF
SOILS*

THE CHALLENGE

THE REGENERATION OF SOILS



Fragile and altered lands.



25%* of agricultural soils in Europe show traces of contamination.



Effect of trace elements on soil biological activity and biodiversity

**Source ESDAC (European Soil Data Centre)*

EXAMPLE

Copper impact on crops production

Fertility decrease



Soil biodiversity decrease



Weakened crops (chlorosis...)



THE CHALLENGE

Ecological and economical soil care



Recycling recovered metals



2 OUR OFFER

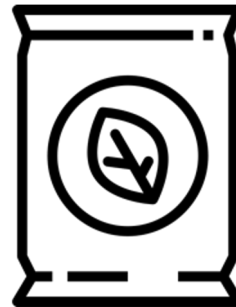
OUR OFFER

1. DIAGNOSIS



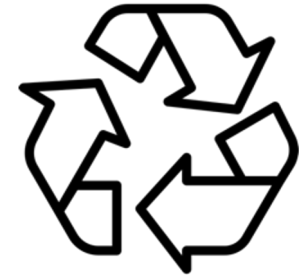
Soil analysis

2. TREATMENT



*Supply of suitable
seeds*

3. RECYCLING

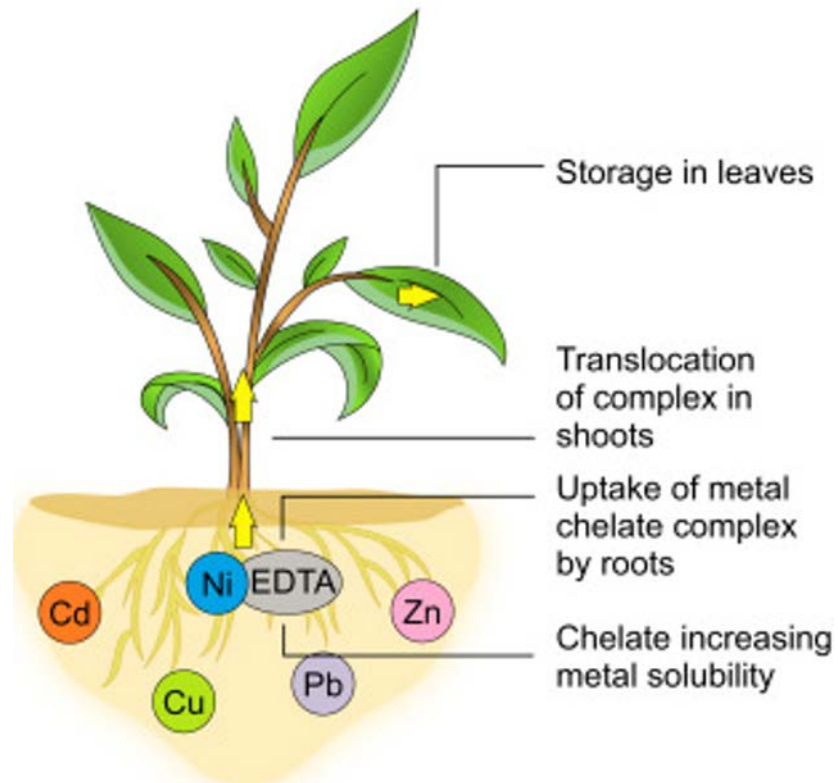


*Recycling
recovered
metals*

3 OUR SOLUTION

BIOMEDE'S SOLUTION

Phytoextraction



BIOMEDE'S SOLUTION

Identification and varietal selection of phytoextracting plants



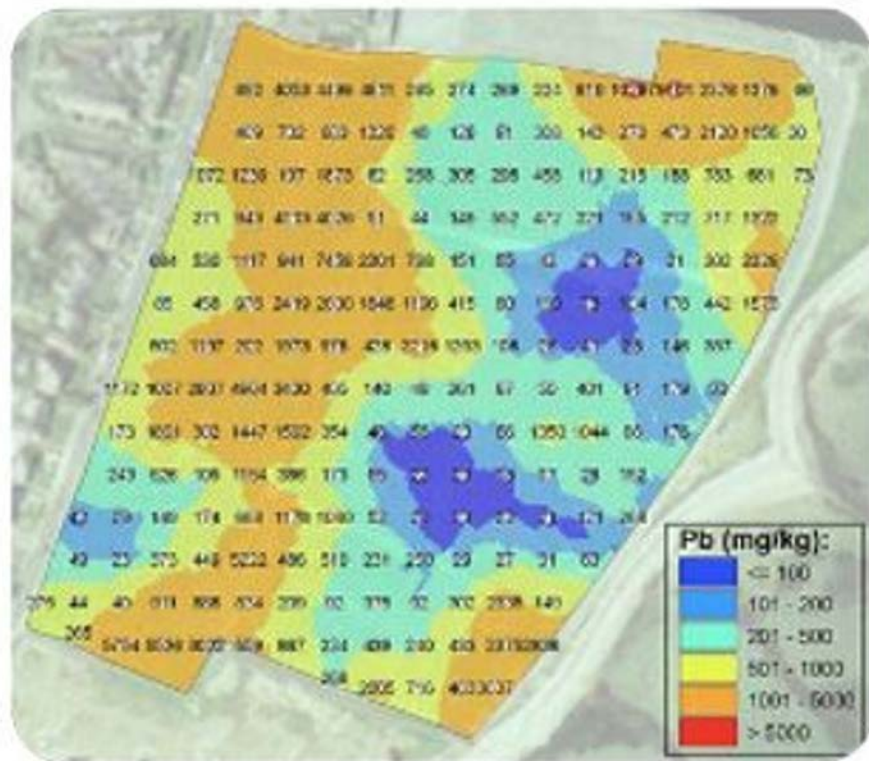
Screening of one of the largest collection of plants in the world.



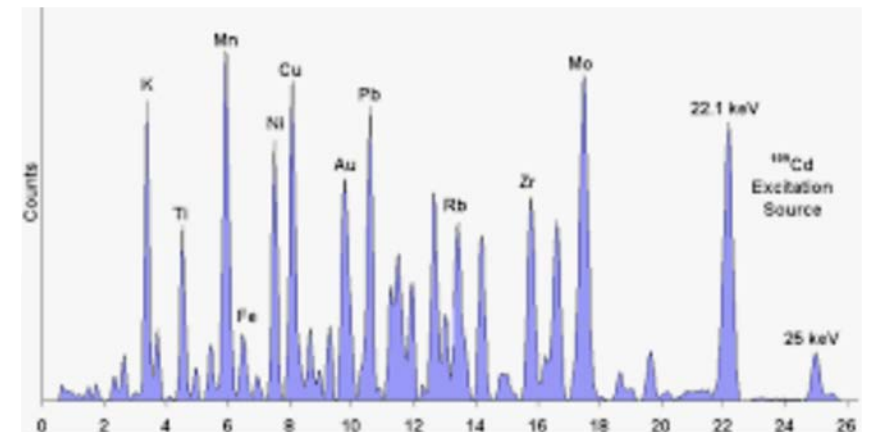
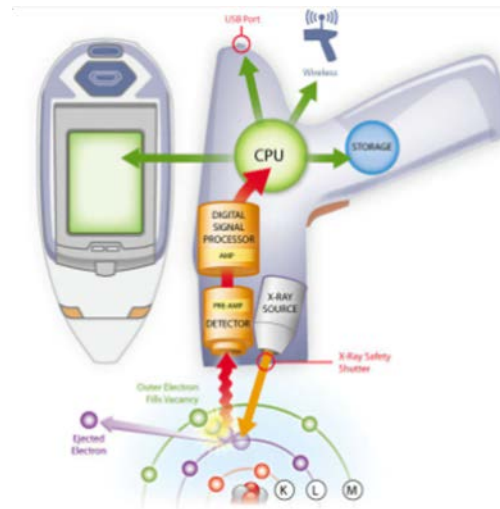
Natural selection of plants on their extraction capacities

BIOMEDE'S SOLUTION

X-ray mapping of vineyard plots.



Concentration Contour Map of Pb in Soil



contact@biomede.fr

