



The NWE-REGENERATIS project: an open access platform to boost the rehabilitation of metallurgical wastelands

SMARTIX
AI

05-10-2022
INTERSOIL 2022

Technical consultancy (Expertise, Project development, Project management)



Civil engineering

- ✓ Rehabilitation of industrial sites,
- ✓ Landfill technologies,
- ✓ Mineral waste recovery,
- ✓ Civil engineering (geosynthetics, waterproofing, drainage, containment),
- ✓ Engineering geology and geotechnics,
- ✓ Low impact construction sites.

Sustainable development

- Sustainability strategies,
- Carbon footprints and emission reduction plans,
- Renewable energy.

GIS applications

- utiliTERRE.be
- New-C-Land sitesforbiomass.eu
- **Open Access platform : NWE-Regeneratis**



THE STAKEHOLDERS OF A REHABILITATION PROJECT

Site owners --



- Former production sites
- Deposits
- Past activities :
 - Non-ferrous metallurgy
 - Iron factory
 - Blast furnace
 - Coke factory
 - Steel industry
 - Steelworks
 - Foundry
 - Coke oven
 - Forges
 - Rolling mill
 - Pyrometallurgy
 - Hydrometallurgy
 - Metal preparation
 - Metal transformation

Contractors --



- Geophysical expertise
- Civil engineering works
- Field survey
- Pre-treatment of materials
- Soil improvement for biomass planting
- ...

Valorisation providers --

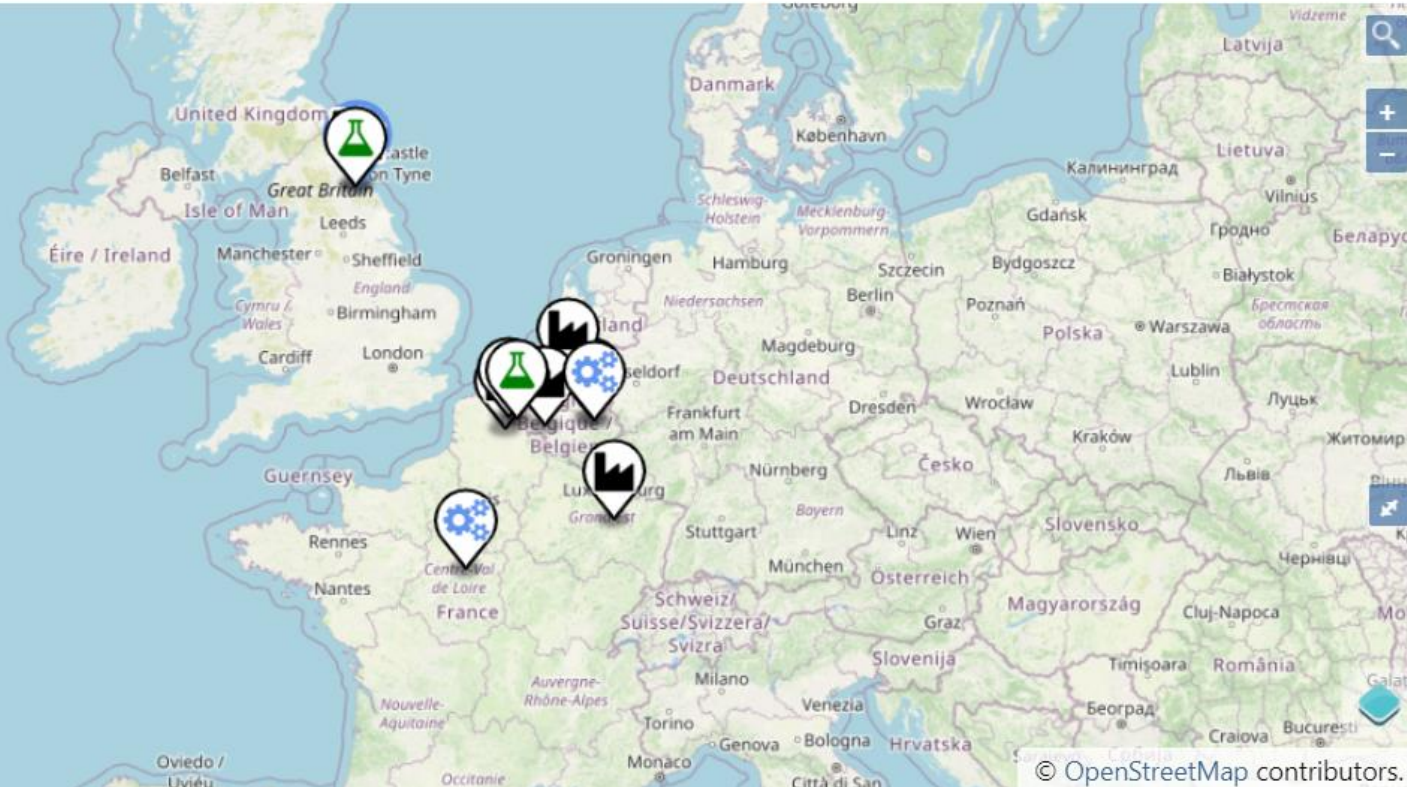


- Mineral processing technologies
- Pyrometallurgy
- Hydrometallurgy
- Production of bio-based materials from plant biomass growing on contaminated site
- ...

A PLATFORM TO IDENTIFY PARTNERS

I'm looking for :
Past Metallurgical Sites and Deposits ▼

Name	Residues
Duferco La Louvière	metal scraps, slags, null.
La campine	null.
NYRSTAR-Auby	sludges, mixed waste,
Site du Ban La Dame - Pompey	ashes, dusts, sludges, fine materials,
Teeside	null.
Vieille Montagne	null.



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REGISTRATION

REGISTER AS A PAST METALLURGICAL SITES AND DEPOSITISTS SITE OWNER

*Required field

LOCALISATION *

Click on the map to draw the outline of the site. To close the polygon, click again on the starting point. You can adjust the polygon by selecting a vertex and holding the left click, or redraw it again. Search for an address using the magnifying glass located at the top right. Change the background map (map or satellite) using the icon at the bottom right.



REGISTRATION

SITE DESCRIPTION :

Name of the site*

Name of the site 2 (if more than one)

Address of the site

Municipality*

Postal Code*

Country

Total area [Ha]

Can you estimate the volume (m3) of the deposit containing valuable materials?

☐ Yes ☐ No

What is the estimated mean height (m) of the deposit?

What past metallurgical activity occurred on the site?

- ☐ Non-ferrous metallurgy
- ☐ Iron factory
- ☐ Blast furnace
- ☐ Coke factory
- ☐ Steel industry
- ☐ Steelworks
- ☐ Foundry

REGISTRATION

- ☐ Hydrometallurgy
- ☐ Metal preparation
- ☐ Metal transformation
- ☐

Do you know what kind of post-metallurgical deposits are present on site?

☐ Yes ☐ No

Is the site registered in a database/inventory?

☐ Yes ☐ No

Must the site be remediated or rehabilitated (for example for human health or environmental purposes)?

☐ Yes ☐ No

Is the site accessible (for workers, for the machinery, etc) ?

☐ Yes ☐ No

What is the current use of the site?

Other relevant information

REGISTRATION



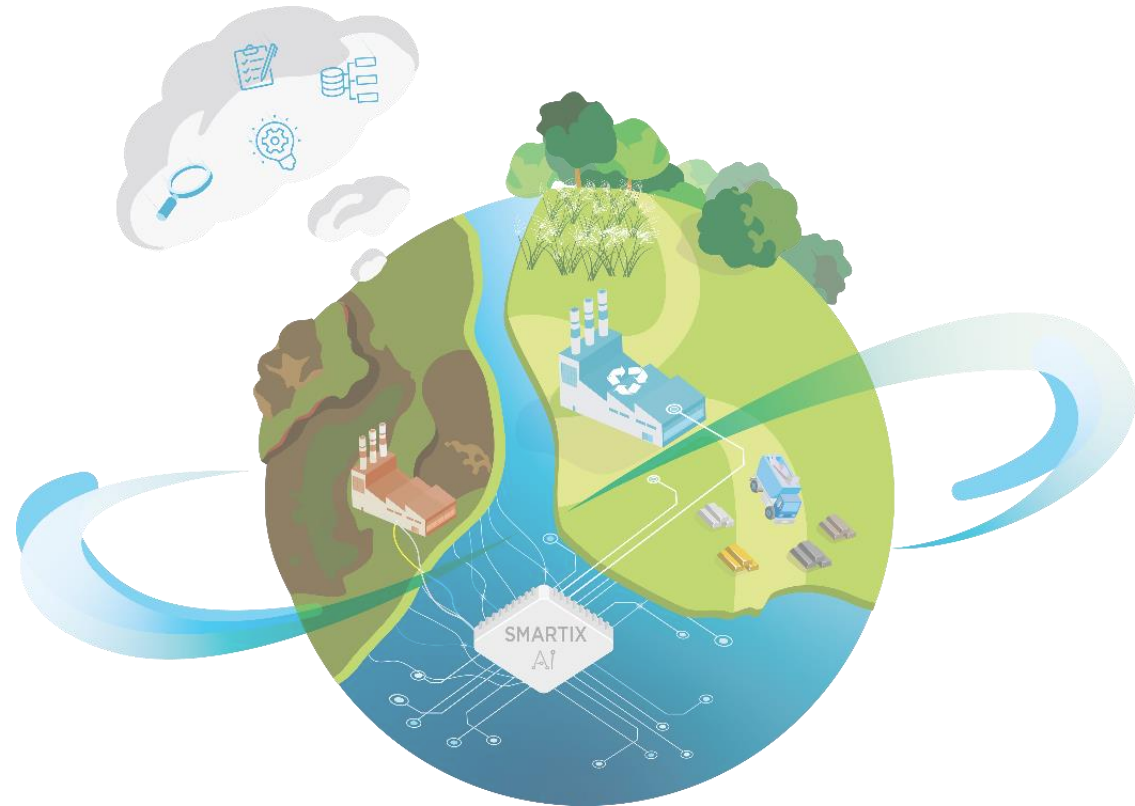
CONCLUSION

A platform to build a network :

- Register as an actor on PMSD
- Find partners

<http://nwe-regeneratis.eu/>

**Thank you for your
attention!**



sebastien.moreaux@atrasol.eu

<https://www.nweurope.eu/NWE-REGENERATIS/>