

Feedback of +110 brownfield redevelopment cases



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INTERSOL2018

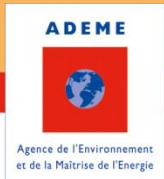


- Actions of ADEME
- Presentation of feedback
 - ➔ Why? What for?
 - ➔ Some provisional outcomes
 - ➔ Next steps



ACTIONS OF ADEME IN RELATION TO POLLUTED SOILS REMEDIATION AND BROWNFIELDS REDEVELOPMENT

A brief presentation of ADEME

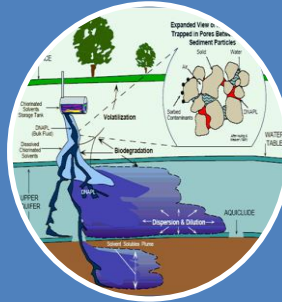


- ADEME's specificity : Be the point of reference and privileged partner for central and local authorities, professionals and the general public in energy and ecological transition policies
- Areas of intervention
 - ➔ Reduction of energy consumption and GHG emission
 - ➔ Development of renewable energy and of circular economy
 - ➔ Soil artificialisation control
 - ➔ Polluted soils remediation and brownfields redevelopment
 - ➔ Cross-functional action (sustainable production and consumption, sustainable cities and territories)

Focus on Polluted soils remediation and brownfields redevelopment



Contracting
authority for
orphaned polluted
sites



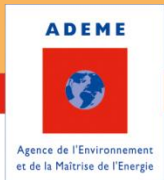
Research



Brownfields
redevelopment



Polluted soils remediation and brownfields redevelopment



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Contracting authority
for orphaned polluted
sites



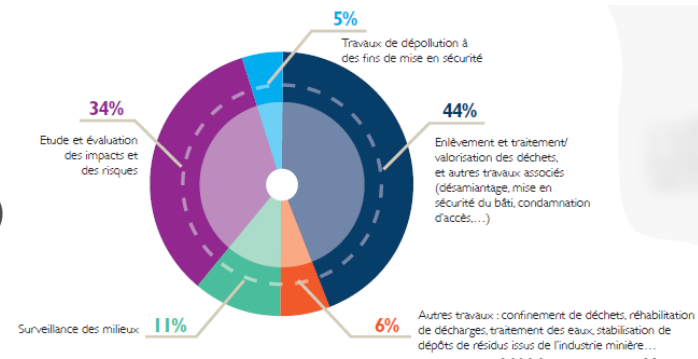
Orphaned sites

- ➔ When polluter-payer principle could no more be applied
- ➔ ADEME named as contracting authority by governmental decisions



Operations to secure polluted sites

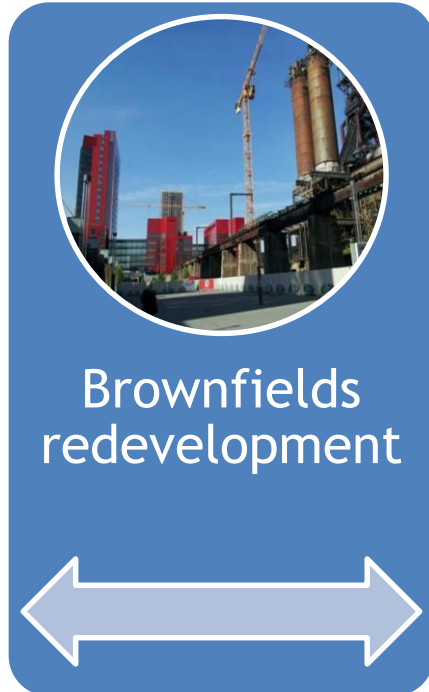
- ➔ Highly diverse operations
- ➔ 267 sites on going (one or more operations)
- ➔ ca. 18-20 M€ a year



ADEME activities in the field of contaminated sites and soils



(2/2)



- Our mission
 - ➔ encourage and support et communities, planners et real estate developer to consider brownfields as relevant land resources while considering pollution
- Modes of actions:
 - ➔ Financial support (decision making support, remediation works for redevelopment)
 - ➔ Guidance
 - ➔ Providing expertise (Advise public authorities, Provide studies, tools & guides, Help for decision making)
 - ➔ Convincing and mobilizing (technical conference, training - *tba*)



FEEDBACK: PRESENTATION & PROVISIONAL OUTCOMES



Observation relating to the financial support to remediation works for brownfields redevelopment:

- ➔ One edition / year since 2010
- ➔ 110+ cases funded
- ➔ Focus on urban redevelopment
- ➔ Periodic evolution of the call [2010-2011] ; [2012-2014] ; 2015 ; 2016
- ➔ 2014 : evaluation of the financial support system
 - Relevance, efficiency, internal / external consistency with other instruments
- ➔ No real aggregation and analysis of the great amount of data, information and feedback of cases funded so far
- ➔ No real feedback of what are the impacts of this support on local scale (attractivity, development...)

Feedback: purpose and foreseen outcomes



Technical and economic characteristics

- Main remediation techniques for each pollutant (or combination)
- Residual pollution management
- Treatment costs
- Ratio of remediation cost / planning or construction cost
- Etc.

What has been done compare to the scheduled project

Identification of example to follow

Assessment of the impacts of the project

- Benefits: direct local effects (e.g. higher property taxes incomes due to new inhabitants)
- Externalities: indirect effects (e.g. increasing employment in services due to higher attractivity)

2 approaches:

1. Remediation techniques
2. Urban planning and development

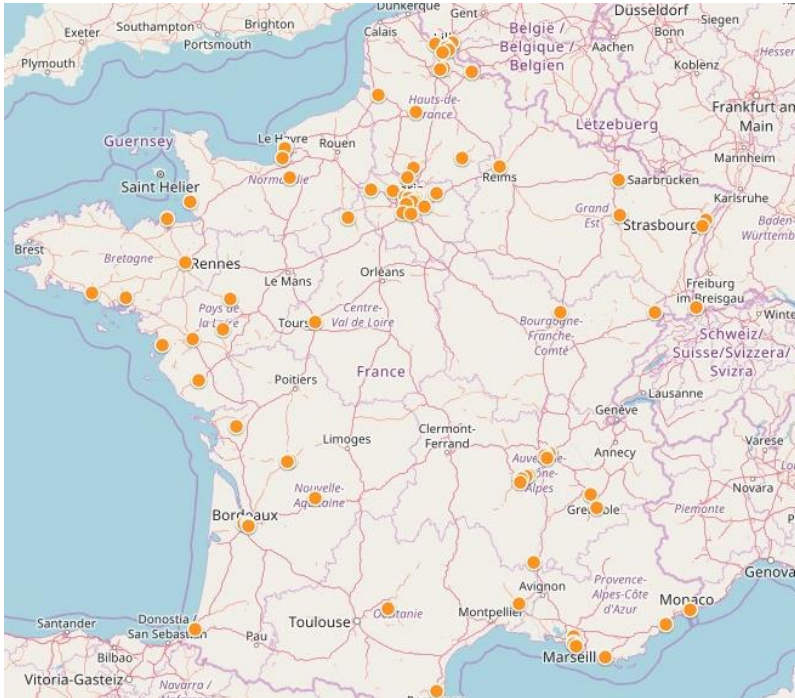
Beneficiaries of the contract:



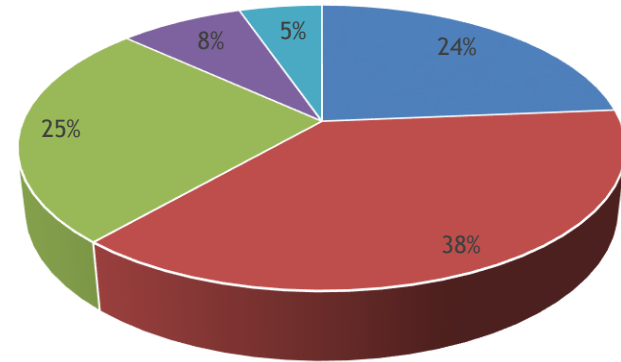
Feedback: general overview



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Diversity of contracting authorities



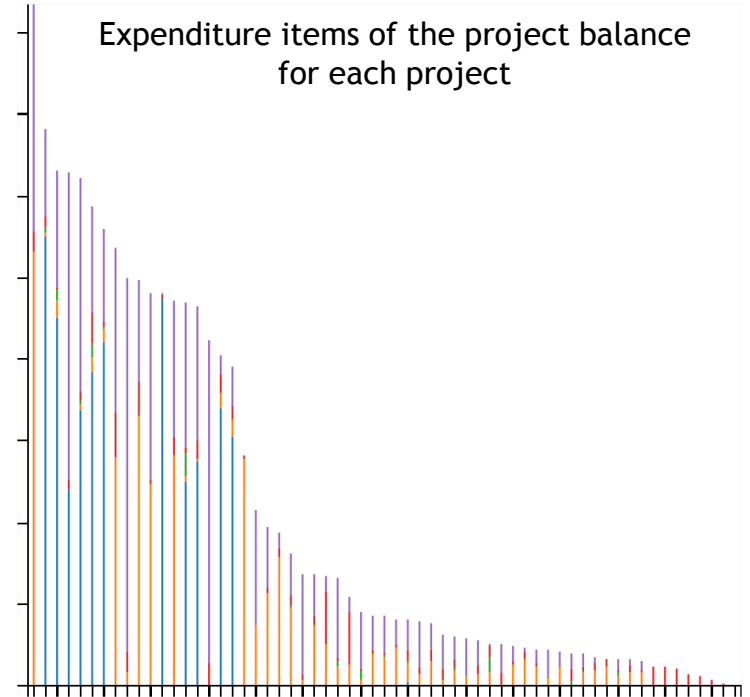
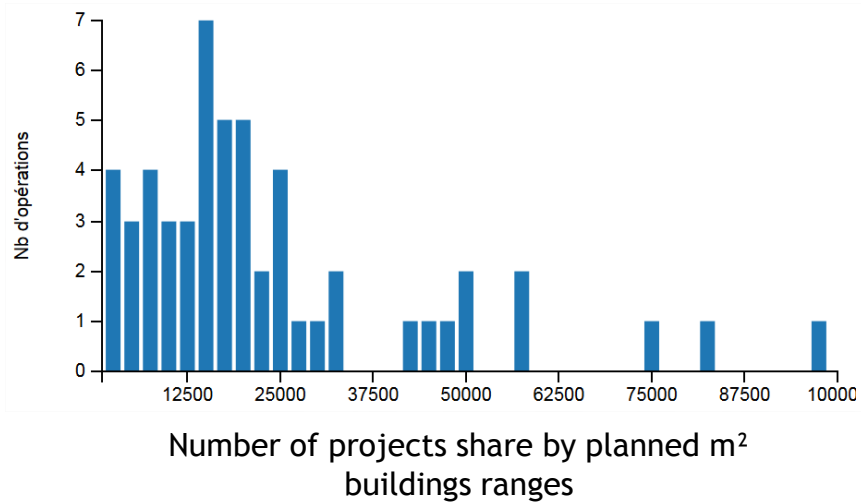
- Planners
- Real Estate (private & public)
- Municipalities
- EPF
- Others

2010-2016 period: 114 recipients, 63 completed, 32 On going, 12 abandoned, 7 out of scope

Feedback: general overview



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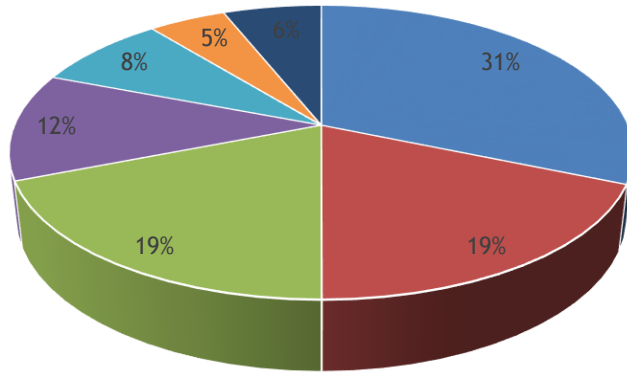


Feedback: general overview



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Planned construction (m² buildings)

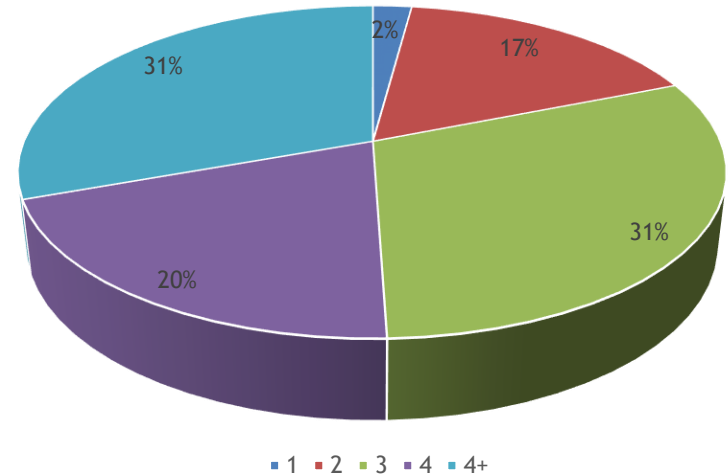


- Private housing
- Office & tertiary activities
- Public equipments
- Others
- Social housing
- Stores
- Industrial activities

Mainly mixed program, few single-type construction (e.g. public equipment)

Landscape park : ~5% of the projects.

Number of pollutants' type (Mineral oil, PAH, HVOC, BTEX, Cyanide, PCBs, metals)



■ 1 ■ 2 ■ 3 ■ 4 ■ 4+

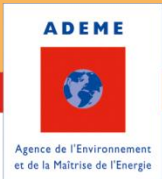
In 24% of the cases, a problem of backfilling quality (only in relation to admission in inert waste landfill ??)



- Publication : september 2018
- Beneficial use
 - ➔ Internal strategy on brownfield redevelopment: Update
 - ➔ Call for projects « depollution works for brownfield redevelopment » : 2019 edition (kick-off end 2018)

Thank you for your attention!

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To go further:

- Leaflet « brownfield redevelopment: starter guide » (2018)
<http://www.ademe.fr/biodiversite-reconversion-friches-urbaines-polluees>
- Good practices thematic forms « brownfields and sustainable development » (2014)
<http://www.ademe.fr/friches-urbaines-polluees-developpement-durable>
- Acts of the last national Brownfields technical symposium (2017)
http://www.reconversion-friches.ademe.fr/le_recueil.htm

