# Output factsheet: Strategies and action plans

<table>
<thead>
<tr>
<th>Project index number and acronym</th>
<th>CE394 GreenerSites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead partner</td>
<td>City of Venice</td>
</tr>
<tr>
<td>Output number and title</td>
<td>O.T4.1 Strategic Action Plan</td>
</tr>
<tr>
<td>Responsible partner (PP name and number)</td>
<td>PP3 Municipality of Celje</td>
</tr>
<tr>
<td>Project website</td>
<td><a href="https://www.interreg-central.eu/GreenerSites">https://www.interreg-central.eu/GreenerSites</a></td>
</tr>
<tr>
<td>Delivery date</td>
<td>July 2019</td>
</tr>
</tbody>
</table>

## Summary description of the strategy/action plan (developed and/or implemented)

The Strategic Action Plan is a result of the D.T4.1.3 GreenerSites project activity and outlines concrete actions that, depending on project experience and approaches, can contribute to increasing the management efficiency of identified abandoned and degraded industrial sites in the Municipality of Celje.

The strategic action plan was prepared taking into account: the specific results of the pilot activities carried out during the project and the results of consultation and cooperation with stakeholders in the functional urban area of the Municipality of Celje.

The document consists of 4 main chapters. The first part presents a general description of the area under consideration and the activities undertaken during the “GreenerSites project (pilot activities). In addition, this chapter presents the process of cooperation with local stakeholders and a methodological approach for selecting relevant actions and preparing a strategic action plan.

“Chapter A” provides brief summaries of concrete actions identified for the effective management of abandoned and degraded industrial sites in the area concerned.

In Chapter B, these actions were described in detail, starting with an analysis of the specific problem, objectives, actors, roles, timeline and financial resources of each implementation step.

The final section provides a list of sources and references to other project outputs and external resources that may be useful for a deeper understanding of the topics covered.

## NUTS region(s) concerned by the strategy/action plan (relevant NUTS level)

SI01- Vzhodna Slovenia, SI014 Savinjska
**Expected impact and benefits of the strategy/action plan for the concerned territories and target groups**

On the basis of a detailed analysis of soil pollution issues in the FUA area and the analyzes and studies carried out on the subject, the MOC Task Force identified the key needs for upgrading the GIS system related to the establishment of a database of contaminated sites with appropriate attributes, which will allow for better spatial planning. To this end, the results of soil monitoring and geostatistical analysis have already been included. A guest analysis of Cd, Pb, and Zn content in soil in the FUA MOC area was transformed, processed, and interpreted with GIS tools. Heavy soil contamination maps for heavy metals in the FUA MOC area by individual assemblies and heavy metals are prepared.

In the large area of the FUA under consideration, heavy soil contamination of soil with heavy metals is expected, resulting in hazardous or contaminated excavation during construction operations, which must be adequately managed. On this basis, there is a need to establish an area for collection, recovery of contaminated excavation and eventual disposal / installation of recovered excavation in the soil. Variants of the location and method of excavation will be discussed and evaluated as part of the spatial planning process and related environmental impact assessment procedures.

The results of these meetings helped to shape the Strategic Action Plan (SAP). The document is the result of the activity of D.T4.1.3 GreenerSites project and describes concrete measures that, depending on project experience and approaches, can contribute to increasing the management efficiency of identified abandoned and degraded industrial areas in the Municipality of Celje.

The Strategic Action Plan was prepared taking into account: the specific results of the pilot activities carried out during the project and the results of consultation and cooperation with stakeholders in the functional urban area of the Municipality of Celje. It has been endorsed by 13 public and national sector decision-makers and related stakeholders.

**Sustainability of the developed or implemented strategy/action plan and its transferability to other territories and stakeholders**

In collaboration with GreenerSites partners and training stakeholders, we have acquired new knowledge and tools for more efficient and sustainable environmental management of contaminated sites that we want to further develop. An element of management innovation is the use in the project of a common methodology developed to prepare strategic action plans and a common GIS tool, and to test pilot technical solutions (methods) to reduce environmental pollution and impact on human health.

The training provided has increased the understanding of the responsible authorities at both local and national level. A printed brochure (250 copies) outlining the results of the pilot contaminated site remediation techniques with cost estimation delivers the project results to different target groups and thus contributes to the overall objective of the program "to work towards making cities & regions a better place to live" and work. "Increasing the environmental performance of contaminated sites will lead to an improvement in the working and living conditions of the city's residents.

Objective 3.3 is achieved towards more efficient management of contaminated sites and the endorsement of the Strategic Action Plan by public and national sector decision-makers and related stakeholders. That is, the GreenerSites project has fostered sustainable environmental management of contaminated sites, testing various pilot remediation techniques in such sites and related measures to support sustainability and jointly defining thematic guidelines for more effective remediation of contaminated sites.

**Project results:**
- shared and enhanced knowledge of integrated and sustainable environmental management of contaminated
sites, through transnational and specific local trainings and fruitful collaboration in the existing networks;
- enhanced capacity of the public sector and participants in local and transnational training on the sustainable management of contaminated sites and the application of thematic operational guidelines for the management of such sites (Strategic Action Plans);
- more effective integrated environmental management of contaminated sites in functional urban areas in central Europe by developing strategic action plans and implementing pilot actions;
- Strategic Action Plans and integrated GIS tools for more efficient management of contaminated sites developed and signed

Max. 1000 characters

Lessons learned from the development/implementation process of the strategy/action plan and added value of transnational cooperation

In the framework of the project, 9 consultations with relevant stakeholders and decision makers took place. The following target groups were included: local public authority, national public authorities, higher education and research, environmental protection high schools and SMEs. By informing stakeholders about the results of the pilot activities under the project, competencies and knowledge for managing contaminated sites have increased in the public sector and decision makers. These consultations revealed that:
- if there is a political vision for the intended land use, it is only necessary to realize it within the framework of known and legally determined spatial planning steps
- that the decision on the method of remediation of the pilot area requires additional analysis of the area contamination and a detailed examination of the suitability of the selected remediation methods as part of the detailed spatial planning,
- it is appropriate to make a professional examination of the appropriateness of the methods from several aspects before making the final selection of remediation methods (feasibility, environmental and human health impacts, social acceptability, costs)
- that the Ministry of Environment and Spatial Planning, which was also an associate member of the project, should be encouraged to develop Technical Guidelines for the management of contaminated land, including how to study, assess and manage risks in such areas. Such guidance would help in cases of uncertainty as to whether the remedial measure chosen is appropriate or how to proceed with the remediation. If such technical guidelines were adopted, we could promptly verify that they were proceeding properly, as appropriate guidelines could be invoked.

References to relevant deliverables and web-links

If applicable, pictures or images to be provided as annex

D.T4.1.3 Strategic Action Plan Celjie