

DELIVERABLE D.T2.3.1

IMPLEMENTATION STRATEGIES FOR URBAN ENVIRONMENTAL ACUPUNCTURE ACTION PLAN

Liptovský Mikuláš

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Autoři: IURS - Institut pro udržitelný rozvoj sídel z.s.





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Introduction

The Strategic Plan for the Implementation of the Action Plan for UEA For FUA Liptovsky Mikulas (hereinafter referred to as the Action Plan or AP) is a document to assist the municipalities in the FUA Liptovsky Mikulas in the implementation of the AP. In contrast to the Action Plan, it takes a more comprehensive approach without necessarily focusing on the type of nature-based solutions, but focuses on the actual process of solutions. Unlike the Action Plan, it also adds unambiguous site identifiers - i.e. GPS coordinates for those that will need to be addressed in the future. This makes the document easier to implement. This avoids minor ambiguities. The sites listed in the Action Plan are based on suggestions from the residents and their feelings and needs. They were not based on official documents of the city. The aim of the Action Plan was to propose appropriate solutions from a micro perspective in the area with the aim of using a Nature based solution. However, to be able to be implemented, it is necessary to set the implementation options in a broader context, including an examination of the ownership and constraints imposed by the master plan.

The strategy deals with the entire Liptovský Mikuláš FUA. More specifically, the sites that are in the Action Plan (excluding the Prosiek municipality, which has not agreed to include the sites in the strategy). The FUA is not defined in terms of the structure of local government units, meaning that it does not have its own elected body that could approve the document and thus create a binding decree. Also, the document, despite being called a Strategic Plan, will not be assessed for its impact by the Strategic Environmental Assessment (SEA).

Representatives of the municipalities were consulted on the strategy. Several suggestions that were made by the authors of the strategy were not accepted by the municipalities and therefore have been removed from the document.

This document will be forwarded to the individual municipal councils for use. It is therefore a supporting document that will be used for the preparation of future projects, to streamline the implementation process of the action and thus improve the condition of the whole territory and its resilience to climate change.

The document is divided according to the different municipalities involved. For the municipalities outside Liptovský Mikuláš, the agreed activities with the partner IURS - Institute for Sustainable Development of Settlements are also listed.

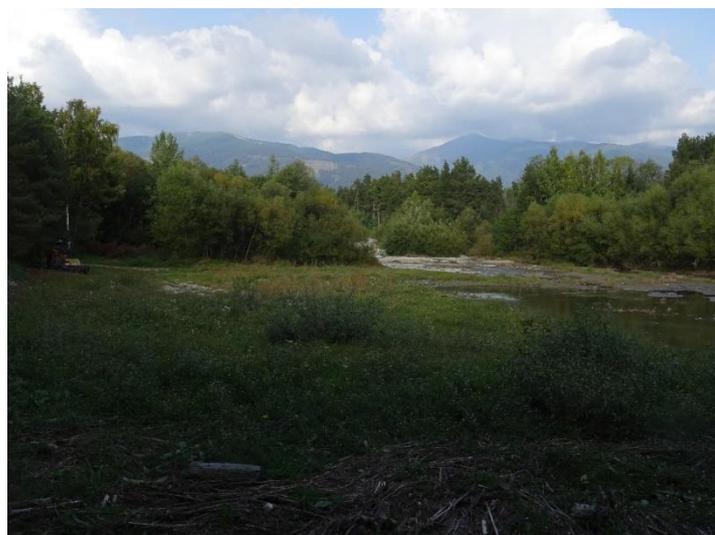


Fig. 1 FUA Liptovský Mikuláš (photo B. Vojvodíková)



1. Liptovský Mikuláš - možnosti implementace

In the Action Plan, a total of 27 sites were identified and evaluated by citizens in the territory of the town of Liptovský Mikuláš and its districts. These are sites that are diverse both in terms of their current state and their area. The strategy in the approach to individual sites and their further use is different. For a better orientation of the problem, the sites are divided into several groups:

- Sites listed in the SALUTE4CE project as pilot sites.
- Sites that are already under solution, Liptovský Mikuláš has already developed projects or applied for subsidies.
- Sites suitable for an intervention - priority group.
- Sites with high potential, requiring longer-term preparation,
- Sites that are suitable for solutions related to mitigating the risk of **quick** rainfall.
- Sites that are not owned by Liptovský Mikuláš, but in their future use Liptovský Mikuláš should set conditions.
- Sites associated with a cycle and pedestrian path in the vicinity of Smrečianka.
- **Sites** around the Váh River.
- Sites that need more significant intervention for their functionality.
- Sites that are not currently suitable for UEA solutions.

1.1. Sites listed in the SALUTE4CE project as pilot sites

Four pilot sites were selected as part of the Salute4CE application. These sites were identified by a large number of citizens as needing to be addressed. It can therefore be concluded that the pilot sites were already correctly selected when the application was prepared.

These sites are:

- Site 4 Demänovská Street Primary School (Grant mother garden).
- Site 5 Inner block.
- Site 6 House of Culture.
- Site 7 Square Míru.

These sites are being dealt with gradually within the project, therefore there is no need to deal with them further in this strategy document.

1.2. Sites that are already under solution

Representatives of the town of Liptovský Mikuláš are continuously preparing projects and drafting proposals. Citizens are not always informed about these steps. Therefore, among the localities there are some for which projects are already ready. Or the project plans are at a high stage of preparation.



Site 15 - Dr. A. Stodola Embankment The revitalisation of the inner block - Dr. A. Stodola Embankment, Block E is underway. This area was solved comprehensively within the project "Revitalization of the inner block Nábřeží Dr.A.Stodolu Liptovský Mikuláš", a relaxation zone with a children's playground, outdoor fitness elements, new sidewalks and greenery, furnishings - park benches, tables, trash cans and bicycle racks were realized. The entire project also includes the revitalisation of the public green space - reclaiming existing areas and establishing new lawns, planting trees, perennials, grasses, and hedges. The implementation of the project was completed in summer 2021 and was co-financed by the EU funds under the Call No IROP-PO4-SC431-2017-16 aimed at "Improving environmental aspects in cities and urban areas through the construction of green infrastructure elements and adaptation of the urban environment to climate change and the introduction of systemic elements to reduce air and noise pollution".

A planning decision has already been issued for the revitalisation and the use of a Eurofund is being considered for financing. Calls with this focus should be launched in the new programming period 21-27. The Lipová inner block is suitable for involvement, so we are now preparing this project. As this site has been identified as one of the areas in need, the city has not communicated enough with the citizens and has not kept them informed of progress despite its efforts to improve the situation. The recommendation is clearly to improve the whole system of discussions with citizens.

1.3. Sites suitable for an intervention - priority group

This group includes sites which, due to their character or property conditions, can be quickly resolved. Also, the proposed solutions do not require special planning permission. It is possible and desirable to consult the citizens on the proposed solutions, thus increasing not only their interest in the town but also their responsibility for maintaining these solutions after they have been built. Their nature corresponds to participation in a participatory budget.

The most appropriate approach for all sites in this group would be to create a few simple proposals with simple visualisations. The involvement of students at the Secondary School of Construction in Liptovský Mikuláš as a work for a high school professional competition or as a competition announced by the town of Liptovský Mikuláš for university students could be suitable. These proposals should be debated with the citizens and where possible the citizens should be directly involved in their implementation (sites 25 and 27).

Site 3 Námestie osloboditeľov - (49.0836394N, 19.6127356E) the character of the square, which characterises important historical market towns, must be preserved, and that is the cobbled square. This paved, low-permeability surface creates a temperature island that affects not only the citizens passing through the square but also the surrounding buildings and thus increases the energy consumption of their operation.

The solution is mobile green elements. For inspiration, see <https://inhabitat.com/plant-covered-mobile-green-living-room-travels-through-europe/mobile-green-living-room-by-turas-7/>.

The city of Liptovský Mikuláš has now prepared the implementation of mobile flower towers, which will be placed on the pavement and planted with seasonal flowers from the city budget. They will be placed on a chassis. It is thus possible to move them to the edge of the square or completely off the area if necessary - for example, when markets are held.

Site 25 Public transport stop on Žiarská Street. The area near the public transport stop on Žiarská Street. (49.0787194N, 19.6536881E)

One of the pilot sites of the Podbreziny housing estate. It is obvious that the citizens of the housing estate are active and interested in their surroundings. The bus stop is currently located in a clear area with no

visual barriers. For safety reasons, the proposed solutions should fully respect this. Thus, the planting of dwarf shrubs or perennials is proposed from the municipal budget - from routine maintenance and planting of greenery. Citizen involvement is essential to maintain the planted plants. This site could be addressed in the form of a Living Lab in the future.

Site 19 Grassed area on Guothova Street. Grassed area at the corner of Guoth Street. Guothova, and Kpt. Nálepku (49.0820575N, 19.6230500E)

This is a green belt along the road approximately 21m long and 2m wide including a container stand (Fig. 2). There are very active citizens living in the area. This is one of the few areas not landscaped in the locality. Based on the Living Lab, it was agreed with the citizens to modify the green belt by planting a summer garden and modifying the container stand with green elements.



Fig. 2 - Site 19 (photo B. Vojvodíková)

Site 27 Multifunctional building on Smrečianska street. Space next to the multifunctional building on Smrečianska Street. (49.0785069N, 19.6512292E)

According to the information of the city representatives, the main interest is planting greenery (shade-loving plants, due to the location in the underpass and the lack of light and moisture) in already existing boxes near the polyfunctional building. Possible implementation will be from the city budget.

Site 18 Area of the apartment building on ul. Hruskova (49.0859575N, 19.6521075E)

This is a suggestion from citizens who ask to revive the planting in front of the entrance to the apartment building from the south side. The planting will be dealt with by the city as part of regular green maintenance. A planning permission has already been issued for the revitalisation of the whole estate and the use of one of the Euro funds for financing is being considered. A project for building permits is being prepared, a planning permission has been issued, implementation from Eurofondovv on vision - there will be storm water drainage from roofs, playground, workout.

As this site has been identified as one of the sites in need, the city is not communicating well with the citizens and not keeping them informed of progress, although it is trying to improve the situation. The recommendation is clearly to improve the whole system of discussions with citizens.

1.4. Sites with high potential, requiring longer-term preparation

Site 24 Garage house on Opavská street (Fig. 3) (49.0803756N, 19.6482236E).

The land surrounding the garage house is owned by the city. This is the area defined by the car park, garage house, road, and apartment building in the southern part of the Podbreziny housing estate. The Podbreziny housing estate is significantly above average in terms of site identification by citizens. This is an area of great interest and with great potential for resident involvement. The proposed area should also be subject to wider discussion in the context of the approved estate revitalisation plan. Whilst planting alone would certainly have a positive effect, the area has the potential to be more significantly engaged. Even though this is an interesting site it is advisable to give the project sufficient time and space so that the potential of the whole site is used to the best advantage. However, Liptovský Mikuláš insists on a solution according to the project "Revitalisation of the Podberziny housing estate" (for which a zoning decision has been issued), in case of suitable calls for funding from external sources.



Fig. 3 Garage house (base on www.mapy.cz)

Site 13 Planting on ul. Borbisova (49.0760819N, 19.6215028E). The entire land surrounding the apartment buildings is owned by the city. Its size provides space for many solutions - isolation green, community garden, relaxation zone for the elderly, children's playground. The entire area around the two apartment buildings should be designed in a comprehensive manner with attention to the needs of the residents and their involvement, and with respect to the existing utilities (steam pipeline).



Fig. 4 Site 13 (base on www.mapy.cz)

Site 26 Residential house Hrušková/ Morušová ul. (49.0859092N, 19.6522469E)

Site from the northern part of the Podbreziny housing estate. As with Site 24, a more comprehensive solution should be decided upon after agreement and discussion with residents about their needs. According to the project "revitalization of Podbreziny" planned playground + planting of trees.

1.5. Sites that are suitable for solutions related to mitigating the risk of quick rainfall

Site 1 Minipark in Ondrašová municipality: street Pongráčovská (49.0968683N, 19.5907325E)

This is an area where there is interest from residents. The site is not owned by the City of Liptovský Mikuláš. To enter the area, there is a safe access only from the left bank of the Jalovčanka watercourse. From the right bank there are no safe sidewalks within reach and the street is busy. There is also an industrial looking building nearby.

Residents have requested the installation of furnishings, trees and perennial beds as part of the submission - this should be included in the recommendations for a solution to implement a recreation area with a park. The land is owned by SAV. In the past there was a playground on this site, but nowadays it is used for bonfires and citizens' meetings.

The morphology of the site makes it very suitable for short-term water retention in the event of heavy rainfall.

Site 12 Bodice Municipality A small grassy area on ul. Bodická, near the Bodičanka stream (49.0584100N, 19.5743664E)

The green belt is part of plot 2847/2. This is a plot on which an engineering structure - a local road - is built. It is also in close proximity to a stream. There is a local road drained towards the site, so it can be assumed that some rainwater not diverted by the storm sewer system is entering the local watercourse via the site. This aspect should be the primary focus for future use in order to protect the residents' property. Given the size of the site and its assumed importance, addressing this site is not a priority. As part of their submissions, residents have requested the installation of furniture, trees and perennial beds. As the site is owned by Liptovský Mikuláš, its representatives insist on recommending these proposals for implementation and inclusion in the strategy.



1.6. Sites that are not owned by Liptovský Mikuláš, but in their future use Liptovský Mikuláš should set conditions

Site 8 Park at ul. Garbiarska Location at roku ul. Garbiarska and Hollého, (49.0832500N, 19.6099800E)

The site consists of a grassy area. The site has an important position in the structure of the city. With good transport accessibility close to the centre. It cannot be assumed that a private owner will be interested in keeping the site green. It is much more likely that he will want to use the site for development. Given the estimated price, it would not be appropriate for Liptovský Mikuláš to buy the site for the purpose of park development. The main task for Liptovský Mikuláš in future development will be to set conditions for the development in which green elements can be included in the conditions.

Site 9 Shopping Centre site- Central Shopping Centre site, comprising paved areas of car parking. (49.0862992N, 19.6109464E)

The site is privately owned. The owner has expressed a desire to incorporate some green features to reduce temperature island issues. However, the measures are insufficient. If the owner decides to renovate in the future, it is a key task for the representatives of Liptovský Mikuláš to establish conditions for the application of measures to reduce temperature stress and improve stormwater management. A step towards this goal is the installation of a "Three Graces" fountain in front of OC Central, a location that will also be addressed as part of the measures for Site 7 - Square of Peace.

1.7. Sites associated with a cycle and pedestrian path in the vicinity of Smrečianka

These are the following locations:

Site 16 Along the Smrečianka stream - Linear planting along the Smrečianka stream from the end of the site towards the Vitálišovka district.

Site 22 Pedestrian and cycle path - Opavská Street - railway bridge - Area along the section of the cycle path from the bridge on Opavská Street to the railway bridge. It is necessary to respect the protection zone of the Váh River Basin Authority.

Site 23 Railway underpass near the cemetery in Okolično - Concrete area in the railway underpass near the cemetery in Okolično.

As this is mainly a linear site no GPS coordinates are given here.

It is a connection of the existing cycle path and pedestrian path from the place of the underpass under the railway to the Vitálišovka district. This section is in the protection zone of the watercourse of the Smrečianka river and passes through the Podbreziny housing estate. There is a revitalisation plan for the revitalisation of the housing estate from 2006, which has been approved and must be respected.

Another important aspect is the connection to the existing cycle path along the Váh (site 20). The whole section should be designed comprehensively in close cooperation with the representatives of the Váh river basin while maximising the creation of flood protection measures. The city currently has funds earmarked for the revitalisation of site 22.

This is a unique area combining many problems. Only very good coordination between the different stakeholders will lead to a successful outcome.



1.8. Sites around the Váh River

The town of Liptovský Mikuláš, like many other towns, can rely on the extraordinary urban space around the Váh River. In the spatial plan, flood measures are mentioned only in connection with the existence of the Liptovská Mara reservoir, which is downstream from Liptovský Mikuláš.

The possibility of adding green elements near the cycle path on the Váh river embankment is mentioned by the citizens. In the Action Plan, this is Site 20, which contains several sub-areas.

Site 20 Cycling route to Podbreziny - Lipt. Ondrašová - continuation along the protective embankment of the Váh River Citizens would like to initiate

" planting a tree avenue along the road Podbreziny - Lipt. Ondrašová; Isolate the gazebo, which is located under the body of the protective dam by planting trees and shrubs; Plant in the slope of the cycle path or under the slope of the insulating greenery (trees) up to the residential zone; ; Revitalize the area near the embankment of Janka Kráľe, 29/30 24/30 Along the cycle path Podbreziny - Liptovská Ondrašová, by the river Váh. " .

Here it should be emphasized that the area is located in the protection zone of the Váh River. Any intervention in this area must be in close cooperation with the Váh River Basin Authority.

At the same time, it should be stressed that the trend is to use the riverbanks for recreational and sporting activities and the river is seen as an opportunity. Despite the fact that flood risk in this area is not mentioned in the available documents, this potential problem should be taken into account when designing new green solutions.

It would be appropriate to combine activities with those mentioned in section 1.7.

Site 11 Small Park area in ul. M.R. Štefánika - Small grassed area on ul. Jánošíkovo nábrežie and ul. M.R. Štefánika, near the Váh River. The land is not owned by the city, but due to its location the city should initiate the owner to implement green elements or furniture. These investments cannot be provided from the city funds.

1.9. Sites that need more significant intervention for their functionality

Site 2 - M.R. Martáková Park (49.0810803N, 19.6235428E), it is a park that has been modified several times in the past, including the location of a cycle path financed by Eurofunds, yet it is little used by the inhabitants. There is a development of detached houses in the vicinity accessible without the need to cross the road. However, the citizens who could primarily use the site are the residents of the residential houses. Residential houses are separated from the park by a road. This road is quite busy, thus creating not only a mental barrier but also a safety barrier. The park from the side of the housing estate looks closed and inaccessible. The park could be lightened and made a little more transparent and consideration could be given to creating an open entrance just off the side of the dwellings. The park is owned by the city and the church (half of the park is owned by the city and the other half by the church). To make the park more accessible to the residents of the development, remove the hedge at the park to remove the mental barrier. Verify the availability of the park revitalization study.

1.10. Sites that are not currently suitable for UEA solutions

Site 14 Park area in Bodice (49.0647411N, 19.5791183E)

The site is designated in the master plan as an area for housing in the future. Any intervention in the form of planting would lead to complications with future use. The land is not owned by Liptovský Mikuláš. Due to the planned development level of 0.30, conditions can be prepared by Liptovský Mikuláš to implement the UEA elements to the maximum extent.

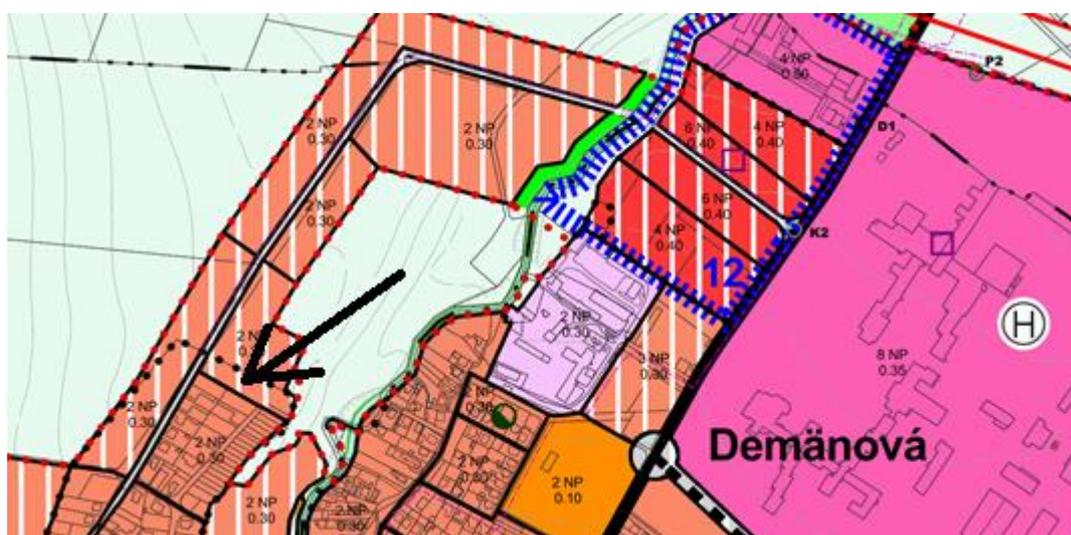


Fig. 4 Location of site 14 in the master plan of Liptovský Mikuláš

From the current point of view, the implementation of a mini-park is against the interest of the owner.

Site 10 Small grassed area on ul. Podtatranského, near the Slovnaft CS (49.0903536N, 19.6100431E)

The area is in a very specific position separated by a busy road and a railway line. The northern part is formed by a belt of trees creating a noise barrier. The City should contact the landowner in the interest of regular maintenance of the green space (mowing) and ensuring the property is kept in good order.

Site 21 Grassed areas along Zápotockého Street (49.0850522N, 19.6230681E).

This is a road with an industrial estate on one side and individual residential development on the other. There is a green belt along the road, which partially serves to retain water from the pavements. The green belt is a suitable location for utilities and encroachment on it could complicate future repairs or upgrades. As part of the environmental improvements, the city could discuss with citizens the frequency of grass cutting to encourage insect species and planting of meadow flowers to support bee colonies. Overall, however, the sites appear stabilized.



Site 17 - Residential development between Štúrová Street and Štúrova Street. and ul. Jilemnického
,(49.0865939N, 19.6085861E)

The concept of the site and its generous green spaces is more reminiscent of a garden city. There are mature trees providing shade. Also forming a noise barrier. It goes without saying that improvement is always possible. It is possible to improve stormwater management in the future when revitalising some of the housing blocks. Or it may be possible to change the grass cutting system to encourage insect populations in some areas. Overall, however, the site appears stabilized.



2. Summary for Liptovský Mikuláš by location

Sites listed in the SALUTE4CE project as pilot sites:

- Site 4 Demänovská Street Primary School (Old Mother's Garden),
- Site 5 Courtyard,
- Site 6 House of Culture,
- Site 7 Náměšti míru.

Sites that are already in solution:

- Site 15 Dr. A. Stodola Embankment, Block E.

Sites suitable for intervention - priority group:

- Site 3 Náměšti osvoboditelů ,
- Site 25 Public transport stop on Žiarská Street,
- Site 19 Grassed area on Guothova ul.,
- Site 27 Multifunctional building on Smrečianska Street,
- Site 18 Residential building complex on Lipová Street.

Sites with high potential, requiring longer-term preparation:

- Site 24 Garage house on Senická Street,
- Site 13 Planting on Senecinska Street Borbisova,
- Site 26 Residential house Hrušková/ Morušová str.

Sites that are suitable for solutions related to mitigating the risk of torrential rainfall:

- Site 1 Mini-park in Ondrašová Municipality: Pongrácovská Street,
- Site 12 Bodice Municipality A small, grassed area on Pondrara Street. Bodická, near the Bodičanka stream.

Sites which are not owned by Liptovský Mikuláš, but in their future use Liptovský Mikuláš should set conditions:

- Site 8 Park on ul. Garbiarska Location at the corner of ul. Garbiarska and Hollého,
- Site 9 OC Central area - OC Central area, consisting of paved parking areas,
- Site 19 Grassed area on Guothova ul. Grassed area at the corner of ul. Guothova, and Kpt. Nálepku



Locations connected with the cycle and pedestrian path in the vicinity of Smrečianka:

- Site 16 Around the Smrečianka stream,
- Site 22 Pedestrian and cycle path - Opavská Street - Railway Bridge,
- Site 23 Railway underpass near the cemetery in Okolično.

Locations around the Váh River:

- Site 20 Cycle path Podbreziny - Lipt. Ondrašová,
- Site 11 Small park area in ul. M.R. Štefánika.

Locations that need more significant intervention for their functionality:

- Site 2 -M.R. Martáková Park.

Sites not currently suitable for UEA solutions:

- Site 14 Park area in Demänová municipality,
- Site 10 Mini-park on ul. Podtatranského ,
- Site 21 Zápotockého Street,
- Site 17 Residential area between Štúrová ul. and ul. Jilemnického.



3. Municipality Ľubel'a - sites - possibilities of implementation

The municipality of Ľubel'a has identified a total of three sites in its action plan.

Site 1 Public transport stop (Fig.5) (49.0485775N, 19.4771631E) is a stop with an iron structure in the outskirts of the village. The bus stop is currently in a condition that provides basic protection for those waiting but is repulsive and uninviting. Due to the immediate surroundings - power line pole it is not appropriate to consider activities around the bus stop. However, the existing bus stop structure could be used to great advantage to accommodate climbing plants. IURS will prepare a visualisation of the solution for the municipality, which will be presented to the citizens. The municipality expects that it will be able to carry out any improvements from its own budget, possibly in cooperation with citizens who will also participate in minor maintenance of the greenery.



Fig.5 Ľubel'a - Public transport stop (photo B. Vojvodíková)

Site 2 Centre - Post Office (49.0519269N, 19.4792517E) (Fig. 6). The council is interested in constructing parking at this location using paving. Currently cars park on an unpaved dirt area. For this location the village needs to arrange an activity in conjunction with the owner, which is a church organisation. Due to staffing issues of the owner (death), discussion will need to be postponed probably until 2022.



Obr. 6 Obec Lubela - Pošta (photo B. Vojvodíková)

Site 3 Playground (49.0495339N, 19.4831142E). The site has an interesting position in the structure of the municipality. It is a relatively large space that could be used for a variety of community activities. In agreement with the municipality's leadership, the municipality's leadership will consider adding amenities rather than green features in the near future. These should follow the final conception of the whole area.



4. Municipality Smrečany - sites - possibilities of implementation

The municipality of Smrečany has a total of two sites in its action plan

Site 1 Small Park (49.1227458N, 19.6539564E) (Fig. 7)- site in the northern part of the village. Part of it was formerly used as a bus turning point. The site is directly below the village conservation area. The site is politically exposed as it is a suitable location for the siting of houses. The site is owned by the municipality and the citizens do not wish to see the site sold to private ownership for development. In agreement with the municipal leadership, IURS will prepare a visualisation of the location of the bins in the peripheral part of the site, including the design of the shelter. These visualizations will be discussed with the citizens and the municipality is ready to implement this shelter from its own budget.



Fig. 7 Smrečany - small park (photo B. Vojvodíková)

Site 2 Car Park (49.1200775N, 19.6515994E) The site is located on the other bank of the Smrečanka watercourse opposite the municipal office. The municipality has approved the project and will implement the construction of a footbridge between the municipal office and the parking lot. This will open up the whole area and connect it to the center. The municipality is interested in building the car park with paving from its own budget.



Fig. 8 Smrečany - car park (photo B. Vojvodíková)



5. Municipality Uhorská Ves - sites - possibilities of implementation

The municipality of Uhorská Ves lists a total of three sites in the Action Plan. Overall, the municipal leadership declares a very intensive involvement of citizens in the maintenance and beautification of the municipality. This also creates good preconditions for the subsequent maintenance of the sites directly by the citizens.

Site 1 Area for container stand -(49.0592161N, 19.6825992E) (Fig. 9). This is a very narrow strip around the road on the boundary of a private property near a power line pole. Containers are close to the local authority the concern is their partial visual obscuration. Due to the nature of the site a shelter cannot be considered. The only viable option the village sees is potted perennials. In consultation with IURS, IURS representatives will create some visuals and these will be discussed with the citizens through the municipal newsletter. The municipality expects to organize the discussion itself as well as the actual implementation. Maintenance will then be carried out together with the involvement of the citizens.

Site 2 Small park area - (49.0602142N, 19.6788583E) a meeting place for local citizens - mainly women widows. Due to the location and character, planting of trees or shrubs cannot be considered. An herb spiral seems appropriate- the municipality will discuss with citizens if they are interested in erecting an herb spiral. The municipality intends to organise this activity itself or with minor support from IURS.

Site 3 Public transport stop - (49.0592747N, 19.6815228E) The stop forms the entry point to the village. The bus stop itself is in very good condition, including the installed flowers, which are cared for by the citizens. A notice board is part of the bus stop area. The municipality would very much like to link this notice board with the green elements. Therefore, it has been agreed with IURS to create several options for possible solutions, which the municipality will discuss with the citizens. The implementation is planned from the municipal budget and the maintenance will be carried out in cooperation with the citizens.



Fig. 9 Uhorská Ves - Area for container stand and notice board (photo B. Vojvodíková)

6. Municipality Liptovský Ondrej - sites - possibilities of implementation

The municipality of Liptovský Ondrej has listed two sites in the preparation of the action plan. The municipality itself has a number of projects improving the environment in the village.

Site 1 Centre - playground (49.0977344N, 19.7124825). This site was chosen at the time of the ongoing reconstruction and improvements. Currently, the playground is already built and there is no need to deal with this site further.

Site 2 Near church (49.1021694N, 19.7119531E) (Fig. 10) is owned by the church and belongs to the church and rectory building which is a listed building. The municipality does not have any specific plans for this site, the only problem being the trees that the municipality intends to cut down to protect the monument and to improve the watercourse. This site is an unfortunate choice. Nevertheless, it has been agreed with the municipality that if this is possible, simple proposals will be prepared to improve the site. However, the municipality is not expected to initiate the implementation.



Fig.10 Liptovský Ondrej - Near church (photo B. Vojvodíková)

7. Municipality Závažná Poruba - sites - possibilities of implementation

When preparing the action plan, the municipality of Závažná Poruba listed two sites. In the first case, it is a relatively large area requiring various interventions.

Site 1 Along the creek (49.0592244N, 19.6499553E) - it is a relatively large area located on the right bank of the Lažtek watercourse. The southern part is planted with trees, but they need to be trimmed due to the existence of overhead utilities. The municipality prefers planting shrubs that do not grow to large heights.

The northern part (Fig. 11) consists of the site next to the monument. IURS will prepare visuals of the area and conduct a Living Lab with citizens over these proposals. The municipality can handle the actual implementation with its own budget.



Obr. 11 Závažná Poruba lokalita u pomníku(photo B. Vojvodíková)

Site 2 Centrum - in front of the Jednota store (49.0554956N, 19.6488011E)- the site was inappropriately selected for the Action Plan. This is a site for which a revitalisation project has already been prepared and approved, involving virtually complete redevelopment of the whole site. The municipality will proceed with the preparation of this regeneration independently, considering the possibility of financial support.



8. Summary for municipalities outside Liptovský Mikuláš by sites

Locations outside the town of Liptovský Mikuláš were divided into four groups for the FUA.

Sites currently immediately suitable for UEA application:

- Závažná Poruba - Site 1 U potoka,
- Uhorská Ves Site 3 Public transport stop,
- Uhorská Ves Site 1 Area for containers,
- Smrečany Site 1 Parking lot,
- Lubelja Location 1 Public transport stop.

Sites requiring an active approach of the municipality. Implementation is linked to another project or activity. Specific elements of the UEA are appropriate in the outlook:

- Uhorská Ves Site 2 Small park area,
- Smrečany Site 2 parking lot.
- Lubelja Site 2 Centre - Post Office.

The site is ready for a project or has already been implemented, therefore it is not necessary to deal with it further:

- Závažná Poruba Site 2 Centre - in front of OD Jednota.
- Liptovský Ondrej - Site 1 Centrum - playground.

The sites were inappropriately chosen for the application of the UEA in the Action Plan because of their character or ownership structure.

- Liptovský Ondrej Site 2 By the church,
- Lubelja Site 3 Playground.