

LAST MILE

Sustainable mobility for the last mile in tourism regions

Policy exchange about flexible mobility alternatives for tourists and locals



Results of **PROJECT PHASE 1**

Let's travel the last mile together!

LAST MILE SUSTAINABLE MOBILITY FOR THE LAST MILE IN TOURISM REGIONS

LAST MILE aims to find innovative and flexible solutions for sustainable regional mobility systems to ensure that visitors travel the 'last mile' of their travel in a sustainable manner, and to provide alternatives to cars for residents and their daily trips as well.

The project focuses on the accessibility of transportation on the last link of the journey from origin to destination (the so called "last mile"). It collects and analyses solutions to fill this gap with sustainable modes of transport. The project also examines environmental benefits as well as long term resource- and cost-efficiency.

Taking into account the overall objective of the INTERREG EUROPE Programme, the LAST MILE aimed to improve the implementation of regional development policies and programmes, in particular programmes supporting Investment for Growth and Jobs and, where relevant, ETC programmes, addressing the transition to a low-carbon economy.

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PROJECT PARTNERS AND REGIONS

 **Region of Upper Sûre, Luxembourg**

 **Upper Sûre Nature Park**

The Upper Sûre Nature Park is a union between the Luxembourg State and 5 municipalities. The park provides a perfect link between affected destinations and ministries that are responsible for strategic framework conditions.

 **Region of West Pomerania/Szczecin Metropolitan Area, Poland**

 **Regional Office for Spatial Planning of Westpomeranian Voivodeship (RBGPWZ)**

The Szczecin-based RBGPWZ is a regional authority answerable to the Regional Management Board, which deals with the spatial planning process in the region. The RBGPWZ is responsible for the implementation and monitoring of the spatial management plan.

 **Region of Košice, Slovakia**

 **Agency for the Support of Regional Development Kosice**

The ASRD is a non-profit organization dealing with general interest needs. It was established by the Košice Self-governing Region. The main purpose of the organization is to assist public services and support sustainable regional development and employment by creating conditions and providing relevant mechanisms.

 **LEAD PARTNER
Environment Agency Austria**

 **umweltbundesamt**

The EAA is Austria's largest organisation of experts on all environmental issues. With the department Mobility & Noise, the EAA is inter alia specialized in the estimation of environmental effects of transport and different measurements to avoid and reduce environmental pollution, as well as promoting various forms of sustainable mobility for different purposes, including tourism.

 **Region of Catalonia, Spain**

 **Mobility and Transport Direction,
Ministry of Territory and Sustainability,
Government of Catalonia**

The Government of Catalonia enjoys full competences in the area of public transport within the region, including planning, implementation, monitoring and financing. It has developed several strategic sectoral plans (e.g. 'Catalonia Passengers Transport Plan 2008-2012 and Horizon 2020').

 **Region of East Tyrol, Austria**

 **Regional Management East Tyrol**

The RMO is a competence centre for climate and energy issues in the district. In this context, the RMO has been dealing a lot with mobility, especially the development of small public (or private) transport systems. In the past year, communes of the district implemented a number of projects.

 **Region of Varna, Bulgaria**

 **"Sustainable Development
of Civil Society" Club**

The CSDCS is the national mobility coordinator and the focal point for sustainable urban mobility plans (SUMP) in Bulgaria. Furthermore, it maintains the ENDURANCE (European platform for the promotion of SUMPs) network in the country.

A flexible transport system (FTS) may be the answer to emerging challenges of transport accessibility in rural areas. The LAST MILE project has identified various types and forms of such a system, including the operation of the on-demand call/dial systems, car-sharing and bike-sharing systems or seasonal transport solutions.

Since the project partners are confronted with an international context and thus very different regional settings regarding forms and approaches to flexible transport services, it is important to have a common understanding of the term and what it actually represents. The common understanding facilitates a competent and comprehensive approach to framework conditions and barriers.

In this project, flexible transport refers to services that operate on demand only. In this context, on-demand operation includes call systems (i.e. stop and ride taxi), seasonal/temporary systems (e.g. bus/train) and other forms of on-demand transport, such as sharing and pooling systems.

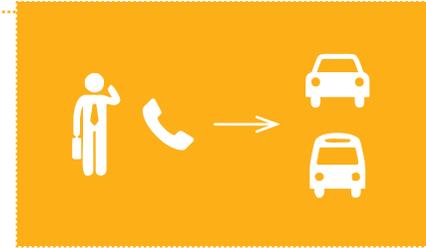
Therefore, FTS comprises services that can be described as enhanced public transport (or flexible public transport services) like a hailed shared taxi service and also Flexible Transport Services, such as car- and bike-sharing or carpooling which are not part of public transport in its narrower sense.

FLEXIBLE TRANSPORT SYSTEM TYPES



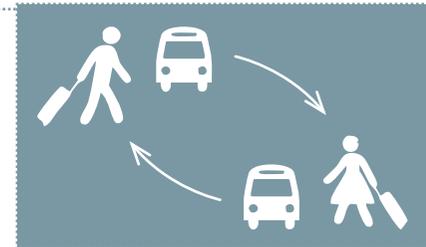
Call/Dial Services

Operate on call in contrast to regular scheduled bus lines. They involve fixed tariffs and fixed or flexible routes. Flexible routes follow one of the approaches listed below (Potts, F. et al. 2010): Route Deviation, Route Deviation with fixed stops on request, Point Deviation, Demand-Responsive Connector, Flexible-Route Segments and Zone Route.



Shuttle services

Are intended primarily to shuttle passengers between two fixed points. Usually, it is a bus or a coach operated on a short or medium distance and trips taking less than an hour. Shuttle buses usually link transport hubs (e.g. airports, train stations) and different destinations (e.g. hotels, specific tourist destinations etc.). It is also often used seasonally as complementary transport, such as ski bus or hike bus.

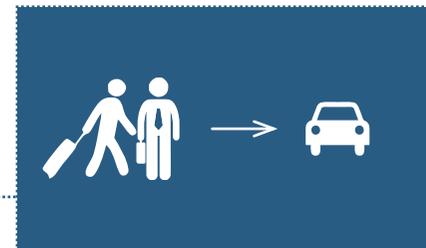
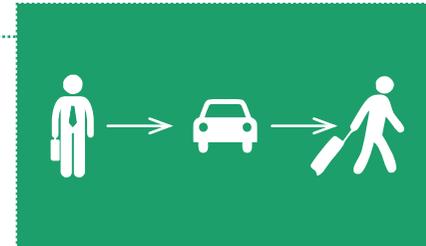


Sharing solutions

It is an organized collective use of one or more vehicles for limited time (chiefly by hours). Most usual types are car-sharing and bike-sharing.

Car-sharing is particularly attractive for users who only need a car occasionally. The car hire may operate as a commercial business or users may be organized to form a company, public agency or a cooperative.

Bike-sharing or bike rental is especially useful at public transport arrival/departure terminals attracting day tourists travelling without luggage, but also very relevant as an on-site mobility for overnight tourists.

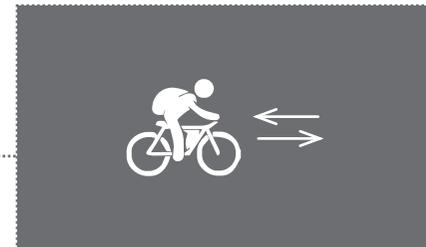


Ride Pooling

Is the sharing of car journeys so that more than one person can travel in a car. A popular carpooling option is, for instance, joint commuting to work. Another possibility of car-pooling is the use of open platforms where registered members can book their car trips.

Other flexible transport service

There are many solutions and concepts on mobility services and particularly flexible transport services available.



Analysis of national and regional framework conditions and barriers has helped to identify issues and challenges for the implementation and operation of FTS. The analysis is based on a survey questionnaire with both quantitative and qualitative questions, where legal, institutional, economic and other issues have been examined. The analysis of framework conditions and barriers has led to the following conclusions:

Legal framework conditions and barriers

1

The insufficient or partially missing legal framework for FTS complicates the implementation and operation of FTS and thus fails to regulate functioning, organization and financing.

2

Provisions pertaining to sustainable mobility included in approved regional strategies provide mainly general recommendations and have no binding character.

3

Municipalities have limited decision making power as regards the implementation of the FTS, in particular cross-border services or projects on a larger scale.

Institutional framework conditions and barriers

1

A major obstacle is the absence of an integrated transport organizer who can provide overall coordination, organization, data collection and financing of FTS.

2

Due to the fact that FTS is rarely integrated into the public transport information service or the Intelligent Transport System (ITS), potential users do not receive appropriate information on FTS.

3

The position of FTS is negligible due to political barriers, competition or the lack of profitability.

4

It is necessary to satisfy mobility needs for inhabitants and tourists alike.

5

Municipalities may have difficulties to provide FTS due to the lack of expertise, shortage of revenues or an intensive workload.

Economic framework conditions and barriers

1

Service operators have to struggle against low or missing subsidies, or incoherent financing models for the implementation of FTS.

2

Long-term financing remains a major challenge. For this reason, municipalities with very limited budgets are not motivated to take the initiative.

3

Collaboration under private-private and private-public partnerships is possible and already in progress.

4

Municipalities can bridge the gap and succeed better or easier than private entrepreneurs, although the lack of experience in FTS remains a drawback.

Other framework conditions and barriers

1

Dissemination of information about FTS fails to reach target groups.

2

The lack of sustainable transport education for decision-makers, operators as well as users may be linked to insufficient sustainable transport awareness.

3

The lack of attractive alternatives to public transport is one of reasons why these challenges are difficult to be addressed.

REGIONAL FRAMEWORK CONDITIONS AND BARRIERS OF FLEXIBLE TRANSPORT IN THE PROJECT PARTNER REGIONS

 **Region of West Pomerania/Szczecin Metropolitan Area, Poland**

The analysis points to a lack of adequate legislation for FTS and visible resistance to existing sharing and pooling systems especially that they are competitive and can pose a threat to taxi transport profitability. The absence of transport associations is considered to be a barrier. Additionally, there is also no integration between entities involved in the implementation of the transport policy. Various measures addressed to different age groups started building awareness and promoted bike use education specifically and the dissemination of information about the use of public transport generally.

 **Region of Upper Sûre Nature Park, Luxembourg**

The national legislation in Luxembourg does not determine FTS, and only temporary and seasonal systems are currently regulated. Municipalities can implement such systems without the consent of the ministry, if they operate inside their borders. However, the strategy for sustainable mobility enables the national funding for all types of FTS. Financial barriers have been identified for the long-term operation of FTS and they are mainly related to high staff cost. The low population density is a challenge for the operation of FTS. The inflow of visitors can hardly contribute to the reaching of the critical mass needed for the operation of FTS.

 **Region of Košice, Slovakia**

An obstacle for FTS is the missing national and regional legislation promoting sustainable transport. Only some transport systems have been defined by law. Flexible modes of transport cannot be financed from public funds due to difficulties in their integration into public transport systems. Service on demand is often not economically viable for operators if there is no synergy with other entrepreneurs. A further barrier to the implementation of FTS is the absence of information services.

 **Region of Varna, Bulgaria**

The Bulgarian region struggles against the current tense political situation which is a challenge for the implementation of FTS. National law does not cover flexible transport systems at all; only seasonal and occasional transport systems have been identified by law; however, no regulations apply to their operation. The government does not accept car-sharing systems which are considered to compete with private taxi operators. Additionally, private service providers have considerable influence on public mobility. In general, public acceptance is considered low. This can possibly be attributed to the lack of education on sustainable mobility.

 **Region of Catalonia, Spain**

Catalonia has no specific national or regional legislation for FTS. A Passengers Transport Plan guarantees minimum standards of public transport in municipalities with a population less than 5,000. Funding schemes are not adequate to cover investment costs related to FTS implementation and long-term operation. Regional transport associations are involved in financing and operational management. Bus operators have little interest in transforming conventional bus lines into FTS due to difficulties in management and the uncertain revenue.

 **Region of East Tyrol, Austria**

As regards the FTS, Austrian national legislation refers to call/dial and seasonal/temporary systems only. Although strategies for sustainable mobility highlight the importance of sustainable transport systems in rural areas, they have no binding power. Planning practice has shown that national as well as regional policies have granted certain subsidies for the establishment of FTS through national funding schemes. Insufficient communication between relevant players also hampers FTS implementation. In general, awareness of sustainable transport has been increasing.

STATE-OF-THE-ART OF REGIONAL PUBLIC TRANSPORT SYSTEMS AND PARTICULARLY FLEXIBLE SYSTEMS

The State-of-the-Art analysis assessed flexible transport in case study areas to identify existing best practices of FTS in tourism. Regional SWOT analyses contributed to a joint SWOT analysis highlighting universal strengths, weaknesses, opportunities and threats to flexible transport systems.



Focused on good practice examples in six regions covered by the LAST MILE project. The analysis summarises information collected during study visits in target regions and examines sustainable transport networks and existing flexible transport systems in rural areas in different European countries. Lessons learned can be grouped as follows:

Social benefits

The FTS is a fine example of a measure that promotes job creation and social inclusion. It is actually a comprehensive solution to the problem of inaccessibility and social exclusion due to restricted mobility.

Environmental benefits

In all regions concerned, flexible transport services work as a positive sign of green tourism and care of the environment by reducing emissions and noise in tourist areas.

Modern marketing approach

FTS stresses the attractiveness of the transport options offered. It is flexible, available, sometimes free of charge, and sometimes includes elements of play. There are also various loyalty programmes available for regular users.

Good cooperation between all stakeholders

All regions examined provided many examples of fruitful cooperation between FTS providers and municipalities, regional government, central government, tourist organizations, transport providers, hotels, etc.

Comprehensive approach to tourist product

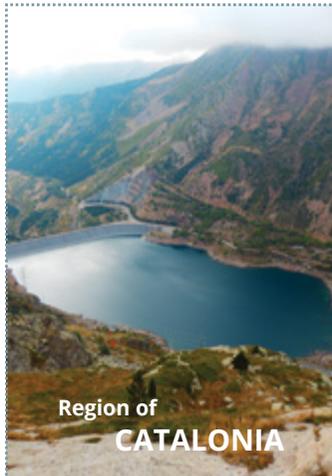
The project identified a number of examples for the integration of public transport systems and local tourist opportunities as well as the creation of new tourist-oriented services and soft mobility solutions.

Self-funding systems

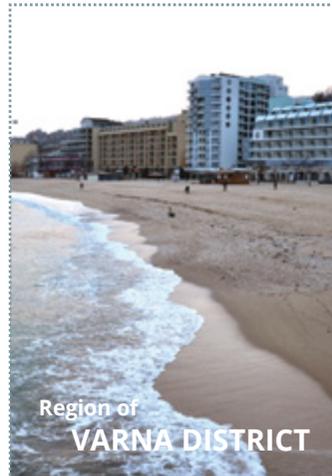
Some of the good practices found have already been operating as self-funding solutions. It proves a high level of business planning and competitiveness of services provided.



Region of EAST TYROL



Region of CATALONIA



Region of VARNA DISTRICT

CONCLUSIONS

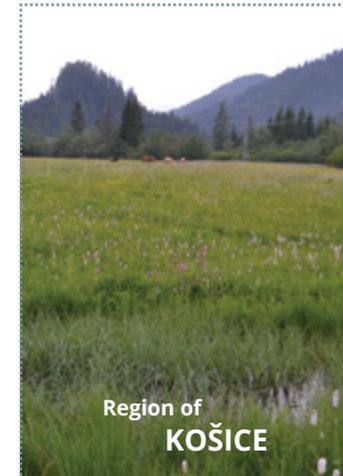
- The cooperation between decision makers (regional/local administration) and stakeholders in tourism and transport sectors is crucial for the introduction and operation of the FTS. This cooperation and national legal frameworks are crucial for the transferability of good practices. Study visits have shown that such cooperation translates into the support provided by the administration at various levels for local service providers. In cases when such support exists, results are always very promising.
- All the good practices that have been demonstrated provide a firm step towards making tourism green. They have a very positive impact on the environment by reducing air pollution, noise and congestion. Consequently, the practices reduce the carbon footprint of transport and leisure activities.
- To succeed in tourist regions, new solutions need to be supported by a branding policy and better dissemination of information about sustainable mobility among visitors. This should be the basis to attract more tourists to the region. Flexible transport systems should be considered hustle-free services for tourists.
- Yet another important factor is funding which is important not only during the implementation of new sustainable last-mile initiatives but also during their operation. To make such initiatives sustainable, it is necessary to ensure stable funding sources during the whole life cycle of a new measure. Moreover, a prudent economic analysis should be implemented regularly while taking into account the social impact of the innovative solutions in question.
- Full integration of advanced technologies and modern trends (e-mobility, ITS, comprehensive public transport system, mobile applications etc.) can help in providing information and attracting more visitors. This will bring economic and social benefits for local communities.
- The idea of sharing transport instead of private ownership should be the leading principle in the last mile approach.



Region of UPPER SÛRE



Region of WEST POMERANIA



Region of KOŠICE

 **Night Rider**



FTS TYPE
dial-a-bus

Night Rider is a classic example of a service provided in response to demand while being subsidised by municipalities and operated by a local bus operator closing the public transport gap as regards the night service. The service is directed mainly to residents of municipalities in which the system operates, but it can also be used by visitors to the area (tourists, people working seasonally, etc.).

 **Bummelbus**



FTS TYPE
dial-a-bus

Bummelbus is an “on demand” transport system. Its main strength is the matching of social needs and a mobility solution that provides flexible transport services (dial-a-bus). The service is accessible for everybody but the main beneficiaries are children, elderly people and citizens deprived of public transport.

 **BalticBike.pl in Świnoujście**



FTS TYPE
bike-sharing

BalticBike system is a private initiative. The main beneficiaries include tourists visiting the area and spending their holidays there. The target group includes families with children.

 **Seaside Narrow Gauge Railway in Rewal**



FTS TYPE
seasonal transport

Seaside Narrow Gauge Railway as a tourist mobility solution. It is used for organizing numerous cultural initiatives and events and promotes integration with other local transport systems.

 **Cyklo Tour Spiš**



FTS TYPE
bike-sharing

Cyklo Tour Spiš is a private initiative. This bike rental system was launched to facilitate tourist flow in the area. Currently, the system operates 250 bicycles and three rental stations.

 **Nostalgic Train in Košice**



FTS TYPE
seasonal transport

The Nostalgic Train initiative is implemented as part of civic activities by the Historical Košice Children's Railway Association in close cooperation with the City of Košice and private entities.

 **Shuttle taxi service in Vall de Boi**



FTS TYPE
hailed shared taxi

These on-demand shared shuttle taxis were launched in response to the decision of the Aigüestortes National Park to completely prohibit entry for private cars. The provision of transport services was vested in the municipal taxi association.

 **Train from Lleida to La Pobla de Segur**



FTS TYPE
train with on request stops

Its main goal was to create a railway service that can be optimized and respond to passenger needs. On-demand stops were set to serve smaller intermediate stations, which significantly increased local transport accessibility.

 **DefMobil in Deferegggen**



FTS TYPE
hailed shared taxi

DefMobil, a hailed-shared taxi system, has been operating for several years. The system is mainly used by Deferegggen valley inhabitants (elderly people, people without a driving license or without a car, kindergarten children) but it is also open for guests (hiking tourism).

 **FLUGS in Lienz**



FTS TYPE
car-sharing

The FLUGS system has been operating in Lienz since 2015. It is based on a car-sharing service. It was created as part of social projects requested by residents. It is a complement to the current public transport offer.

 **Seasonal bus line no. 209 in Varna**



FTS TYPE
seasonal bus

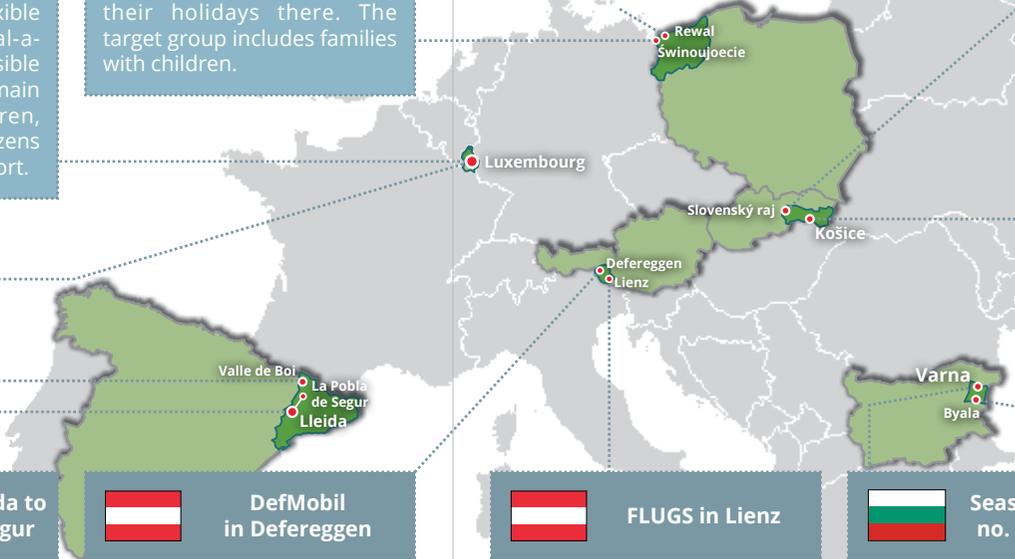
In 2016, the municipality of Varna decided to launch a new fast tourist service (bus line No. 209) connecting the city centre with tourist resorts on the Black Sea coast. The service is used by both tourists and tourist sector employees.

 **Seasonal bus and phaetons in Byala**



FTS TYPE
other seasonal transport

In 2014, the administration of Byala allowed private individuals to provide horse-drawn carriage services (phaetons). In 2015, an electric minibus was launched, as another alternative mode of transport, to bring tourists from the village centre to tourist attractions.



SYNTHESIS OF FRAMEWORK CONDITIONS, BARRIERS AND GOOD PRACTICES FOR THE FLEXIBLE TRANSPORT SYSTEMS

The synthesis report summarizes conclusions and experiences from three international reports developed by LAST MILE project partners - *Analysis of national and regional framework conditions and barriers of flexible transport, from Analysis of Technical State-of-the-Art of regional public transport systems and particularly flexible systems and from Good Practice Evaluation.*

- 1** One of the main conclusions drawn from the above study is the possibility of introducing various forms of flexible transport systems in the majority of the partner regions. However, such initiatives often necessitate broad compromises related to insufficient legal regulations and the lack of comprehensive organizational and financial support.
- 2** Usually, transport organizers do not have experience in implementing FTS in public transport systems. They are also deterred by financial burdens. In tourist areas, FTS solutions addressed to tourists are most often implemented by commercial entities.
- 3** The organization and implementation of FTS requires adequate knowledge about the system, cooperation with multiple partners, and the ability to coordinate joint operations. This multidimensional cooperation is based on technical, economic and social considerations. In all these areas, an adequate level of awareness and knowledge is necessary to properly diagnose barriers and prepare appropriate solutions.
- 4** The implementation of FTS is a complex process, but its success improves the quality of life for residents and enhances alternative mobility solutions for tourists. The possibility of using FTS in the form of public transport reduces transport exclusion and counteracts, among others, depopulation of the area, whereas in the tourist regions contributes to a limited extent (i.e. seasonality).
- 5** In the majority of cases, applicable strategy documents did not cover FTS. Frequently, they also focused on transport accessibility in relation to infrastructure without considering the quality and accessibility of the public transport offer. It is rare when they also combine issues of tourism with transport policy.
- 6** Strategic transport policy documents related to sustainable transport (including FTS) can have a real impact, provided they are directly linked with financing instruments. In other cases, they serve as a tool enhancing general awareness only.
- 7** The Sustainable Urban Mobility Plans, which proved efficient in urban areas, should be transferred and adapted to rural and tourist regions. Such plans can facilitate the implementation of mobility policies in a strategic, consistent and long-term manner.
- 8** For the initiative to succeed, it is necessary to have a solid ground in legal acts and strategic documents, provide financing and ensure a proper level of awareness as regards the specific nature and opportunities offered by FTS.
- 9** The main administrative level responsible for the implementation of FTS policies should be the region. Regional authorities have a wide range of tools to ensure coordinated and comprehensive support for local FTS, including Regional Operational Programmes and substantive support from experts.

SUCCESS FACTORS

Each of the good practices identified and evaluated during the LAST MILE project has been analysed in terms of success factors that have contributed the most to its creation and effective implementation.

Success factors can be of diverse nature, ranging from appropriate legal regulations and provisions, support of financial instruments, to appropriate management structure.

Success factors were assigned to specific fields of action. This allowed us to determine how activities at different levels and scopes can effectively influence the development of flexible transport systems, as well as to identify areas of particularly important activities regardless of the type of system implemented (universal measures).

The table below summarises identified good practice success factors matched with individual fields of action.

Regional good practices	Defmobil	Flugs	Train from la Pobla	Taxies in Vall de Boi	Seasonal line 209	FTS in Byala	Night Rider	Bummelbus	Narrow Gauge Railway	BalittBike	Nostalgitr Train	Cyklo Tour Spiš
 National and regional regulations regarding flexible transport systems			+	+		+						
 Flexible transport systems in strategic documents												
 Management and organization of flexible transport systems	+		+		+				+			
 Cooperation and coordination at individual levels	+	+	+				+		+	+	+	+
 Financing instruments and FTS support programmes (initial funding)	+					+	+	+		+		
 Long-term financing instruments and FTS operational financing	+	+		+			+	+	+	+		+
 Raising awareness and information policy in relation to FTS	+		+									
 Identification of needs, social participation and usefulness of FTS	+	+	+	+	+		+	+	+	+	+	+



NATIONAL AND REGIONAL REGULATIONS REGARDING FLEXIBLE TRANSPORT SYSTEMS

- The lack of national regulations is not always an obstacle to launch FTS services. While defining general rules for transport organization and leaving some flexibility for the implementation of innovative solutions, it is possible to create an efficient and supportive environment.
- The presence of regulations, however, can clearly help in the process of implementing flexible transport service, especially when it is ultimately intended that it should become an integrated element of the public transport system.
- In the majority of cases analysed, the legislation neither explicitly defines flexible transport systems nor indicates the possibility of their use in public transport.
- Unambiguous definitions and references to FTS services in provisions of law - covering public transport, specifying, among others, rules and forms of operation, rights and obligations of the carrier and the passenger, liability insurance and compensation, financial settlements and controls, etc. - facilitate their permanent implementation and reduces the scope of potential conflicts.
- Public transport organizers can well identify transport needs. Legal regulations should not limit their autonomy in choosing the means of implementing public transport (regular or flexible services).
- Local self-governments partially have tools and regulatory instruments to implement transport policies within their areas.

GOOD PRACTICE SUCCESS FACTOR

Shuttle taxi services in Vall de Boi



The system of shared shuttle taxis on demand was launched in response to the decision of the Aigüestortes National Park and Estany de Sant Maurici and the Catalan Government to completely prohibit entry for private cars into the national park. Those restrictions created a need to provide an alternative transport solution. It was necessary to implement a solution that was efficient enough to meet the needs of tourists, but at the same time, it had to provide some degree of control in access to the protected area.

A solution was introduced in the form of a shared on demand taxi system, and the provision of services was entrusted to the association of private carriers. They were granted exclusive access to the park area in exchange for meeting certain requirements (e.g. fixed price tariff) and maintaining an appropriate standard of services.



Ensuring the exclusivity for transport service in the area concerned increases the stability of the solution; carriers may plan the development of the service over a longer period.



FLEXIBLE TRANSPORT SYSTEMS IN STRATEGIC DOCUMENTS

- In most cases, applicable strategic documents do not include provisions on flexible transport systems. Additionally, they rarely combine tourism and transport policies.
- Those strategic documents rarely have executive power. Giving greater feasibility/legal weight to such provisions in strategic documents may increase the chance of actual actions implemented by local governments or organizers of public transport.
- Examples analysed show that there is a chance to increase the role of strategic documents by matching them, possibly directly, with financing instruments that allow to achieve goals set.
- Sustainable Urban Mobility Plans are a good example of the above, since they are very often connected with Regional Operational Programmes. The SUMP's approach can also be a good and effective solution for peripheral and tourist areas and can allow for the implementation of mobility policies in a strategic, consistent and long-term manner.
- In the context of transport policies, strategic documents often focus on transport accessibility and infrastructure (availability and quality of road and rail network, stops, stations, intermodal nodes). An equally important factor is the access to transport and actual residents' demand in a given area (including public transport systems, private systems and various mobility solutions). This will allow a better analysis and the recognition of transport blank spots, including last mile sections.

GLOBAL STRATEGY FOR SUSTAINABLE MOBILITY – MODU



Luxembourg

The analysis indicates limited influence of the majority of regional strategic documents on the development of FTS.

However, regardless the direct impact on the implementation of transport policies, the importance of strategic documents should not be underestimated, since they are frequently linked to financial instruments, including Regional Operational Programmes. In this context, it is worth pointing to the effectiveness of Sustainable Urban Mobility Plans, which worked well in urban areas. The approach expressed in those plans should be transferred and adapted to rural and tourist regions.

An example of an effective strategic document identified by the LAST MILE project is the Global Strategy for Sustainable Mobility (MODU), which is the main element of transport policy in the Luxembourg area. The implementation of the strategy is closely related to financing provided from the national level.



MANAGEMENT AND ORGANIZATION OF FLEXIBLE TRANSPORT SYSTEMS

- The implementation of flexible transport services within existing transport structures (local and regional) significantly streamlines and facilitates the process.
- Once new structures are created to launch FTS, it is necessary to ensure a wide range of their competences and autonomy.
- In many cases, municipalities (municipal transport organizers) do not implement flexible services due to a wide range of new responsibilities and a lack of adequate knowledge and experience. Moreover, they frequently lack appropriate structures (within their own departments or designated units) responsible for the implementation of transport policies, especially for organization and management (including FTS).
- Adequate support provided from higher levels (e.g. region) in order to coordinate the implementation of transport policies encourages municipalities to take on bolder tasks, such as launching FTS.

GOOD PRACTICE SUCCESS FACTOR DefeMobil in Deferegggen



Austrian municipalities enjoy the support of regional transport organisers (transport associations) in the process of FTS implementation. Not only does the Regional Transport Association, operating in the area of East Tirol (Verkehrsverbund Tirol - VVT), financially support the implementation of such solutions, but it also coordinates transport systems and ensures coherent information policies.

If the solution succeeds and is accepted by the users, the transport association may take over the responsibility for the management and further financing of the service and take over the responsibility from a municipality. This type of support encourages municipalities to implement sustainable public transport solutions.



In case the system proves effective, the transport association may take over the responsibility for the management and financing of the solution implemented.



COOPERATION AND COORDINATION AT INDIVIDUAL LEVELS

- Cooperation and coordination are some of the most important elements in the process of creating and maintaining flexible transport services. Cooperation between local governments, transport associations, business partners, other transport organizers and carriers already operating on the market and users should be promoted.
- It is advisable that such FTS that are aimed at handling tourist traffic should be managed and implemented in close cooperation with tourist organizations and operators of tourist attractions. This enables better adjustment of the service, increased use of tourist potential and transport accessibility of attractions. Additionally, it can allow sharing of the costs of implementation and maintenance of the investment.
- One of the objectives of the cooperation of the involved entities should be to eliminate barriers and limitations for the final user of the system (e.g. single ticket/unification of tariffs).
- Regardless the degree of autonomy of the FTS service, it should be coordinated with other transport services and their information systems (travel planners, timetables) to increase the diversity of transport services in the area and to ensure more efficient use of public resources.
- Where possible for legal and organizational reasons, cooperation with private entities should be included, for instance, in the form of public-private partnerships. The experience of commercial entities can provide adequate support and ensure the adoption of appropriate economic assumptions.
- It is possible to develop a system of cooperation between potentially competing entities.

GOOD PRACTICE SUCCESS FACTOR BalticBike.pl in Świnoujście



The BalticBike.pl system actively cooperates with UsedomRad, a German company, which is the operator of the unmanned (maintenance-free) bicycle rental network on the German side. Despite their similar profile, the companies do not compete with each other but try to combine their offers. For example, bikes in the UsedomRad system can be returned at BalticBike stations, while the BalticBike system borrows UsedomRad electric bikes on the Polish side to test the possibility of their implementation in the area.

The system also cooperates with tourist accommodation facilities and operators by promoting their offer. At the same time, cooperation with the city and its subordinate units helps to negotiate the possibility of free-of-charge installation of a bicycle station.



It is possible to develop a cooperation between entities of a similar business profile (potentially competing) benefiting each of the parties.



FINANCING INSTRUMENTS AND FTS SUPPORT PROGRAMMES (INITIAL FUNDING)

- In many cases, municipalities do not have their own funds available to implement new transport initiatives, including FTS solutions.
- Available external support in the form of regional, national or European level programmes often motivates municipalities to launch FTS.
- A significant part of current external financing programmes is not directly targeted at initiatives involving FTS. However, there is a large number of external programmes that address FTS as a part of Mobility as a service approach (programs related to the activation of excluded social groups, electromobility, etc.) under which one can get financial support.
- In the field of transport, external financing programmes often focus on activities in urban and agglomeration areas, especially those related to the handling of large passenger flows. There are few financial instruments that support transport needs in rural areas, peripheral areas or those struggling with a major increase in seasonal traffic.
- Currently, it is possible to receive broad non-financial support, as part of EU programmes and initiatives that can significantly promote the development of FTS in a given area. However, it should be noted that municipalities and other entities are often unaware of those programmes or do not know how to use them.

GOOD PRACTICE SUCCESS FACTOR

Seasonal bus and phaetons in Byala



Bulgaria

Because the traffic between Byala Center and the open-air museum at Cape St. Athanasius is always congested during the season, the municipality restricted access for private cars. As an alternative transport solution on that route, an electric minibus was launched in 2015.

The launch of the electric seasonal bus was possible thanks to funds from the Operational Programme "Regional Development" (OPRD) used by the municipality. The Operational Programme was a part of the practical implementation of Priority 4 of the national programme of "Sustainable Territorial Development". The programme is funded from the European Regional Development Fund (ERDF). Since 2014, the number of visitors to Byala has increased by over 10%, which may indicate an indirect impact of implemented transport solutions.



Programmes supporting the purchase of low-emission means of transport encouraged the municipality to launch a communal transport system for tourists.



LONG-TERM FINANCING INSTRUMENTS AND FTS OPERATIONAL FINANCING

- Public transport in areas with low population density or areas that are not attractive for tourism is not profitable and constitute a significant burden for municipalities. In such areas, FTS are less expensive than regular public transport systems due to their higher efficiency and better cost-benefit ratio.
- In the case of municipalities running unprofitable regular public transport systems, the introduction of a new unknown transport system is a serious risk. Once external funds are attracted to launch and maintain a new transport system (during the first years of operation), a municipality has time necessary to attract passengers, optimize the system and implement necessary promotion.
- Reliable cost analysis and effort to minimize costs, especially during the initial period, allow for a smooth and effective implementation of the system. Although FTS can often perform transport tasks more efficiently and cost-effectively compared to traditional systems, municipalities are not motivated to proceed with analyses in this particular area due to additional costs.
- Due to the lack of long-term financing models, municipalities refrain from FTS implementation despite access to financial programmes that allow them to launch such a service (purchase of vehicles, systems, investment).

GOOD PRACTICE SUCCESS FACTOR

Bummelbus



Luxembourg

The Bummelbus System, operating in the northern region of Luxembourg, was launched based on national funds provided by the Ministry of Labour, Employment and the Social and Solidarity Economy. This comprehensive financing enabled the launch of a well-prepared system and supported its sustainable operation in line with the formula adopted (tool for economic integration of the long-term unemployed).

Financing from the Ministry covers about 70% of the operating cost (salaries for unemployed people parting in programme). This allows the organizers (Employment Forum - Forum pour l'emploi) for a stable operation and a gradual increase in the scale of the project. The Bummelbus System constantly expands its operational area.



Permanent financial support allows for the building of a stable solution and planning of service development. It also encourages the introduction of changes and innovative solutions.

 **AWARENESS RAISING AND INFORMATION POLICIES RELATED TO FLEXIBLE TRANSPORT SYSTEMS**

- Social awareness regarding sustainable mobility systems (including FTS) still remains low. However, if such systems are known and recognizable, their perception is usually positive.
- Promotion and education increase the popularity and strengthens the long-term operation of FTS, especially in the case of regional recognition (i.e. regions taking ownership of the solution).
- Awareness raising may take a different scale and form. However, it is crucial to address it to the appropriate target group.
- Information about flexible transport services in tourist areas should be closely linked with information about tourist attractions to minimize the need to use individual transport.
- Awareness raising programmes and promotion of sustainable transport are mainly aimed at children and young people (potential future users). However, there are no professional or comprehensive campaigns directed at decision-makers and people responsible indirectly for the implementation of transport policies.
- Dispersed and ineffective systems for disseminating information about FTS should be replaced by unified platforms ensuring access to information about transport for all users. Due to the complexity and scale, such platforms should be created at the regional level.
- If the implemented sustainable mobility solution meets the needs of both residents and tourists, the level of acceptance and public awareness grows rapidly.

GOOD PRACTICE SUCCESS FACTOR
Train from Lleida to La Pobla de Segur



Spain

The implementation of the train from Lleida to La Pobla de Segur with on-demand stops, operated by Ferrocarrils de la Generalitat de Catalunya, was linked to a series of promotional initiatives and campaigns targeted at potential users. The majority of those activities were based on the reference to the regional context, for instance the #LoTrenDeTots# campaign which changed the visual identification of the rolling stock to be more associated with the region.

The information disseminated emphasised that the new service was created for residents and its launch increases the potential of the region. This increased acceptance for the solution and the perception of its regional ownership.



Actions to promote transport solutions in connection with the promotion of the region may increase the level of local acceptance.

 **IDENTIFICATION OF NEEDS, SOCIAL PARTICIPATION AND USEFULNESS OF FTS**

- The most important success factor for FTS is appropriate assessment of conditions and the adjustment to expectations and needs of selected social groups. FTS do not need to fulfil all social expectations. Smaller well profiled solutions corresponding to specific needs can be equally effective.
- FTS are often directly associated with the social aspect of mobility and accessibility. They create new “green” jobs and secure one of the fundamental human rights in accordance with the definition of MaaR (Mobility as a right).
- Dialogue with the user is the basis for effective implementation of the system. The system should allow for active social participation at the stage of planning and establishing of the system, as well as during its further operation and evaluation.
- Due to the specific nature of FTS, in many cases, their effective functioning is based mainly on new digital communication technologies. However, it is necessary to ensure adequate availability to avoid digital exclusion.
- The degree of complexity and the cost of IT systems needed to ensure proper functioning of FTS discourage transport organizers, operators and carriers from using those systems and engaging in the implementation of some forms of FTS.
- Entities responsible for the participatory process are often not prepared adequately to carry out this task (lack of experience and access to expert support).
- The success of tourist designated FTS is not determined solely by an efficient transport solution. Equally important is the well-connected tourist potential of the area and access to attractions in the system.

GOOD PRACTICE SUCCESS FACTOR
Nostalgic Train in Košice



Slovakia

The Nostalgic Train Initiative is implemented as part of civic activities by the Historical Košice Children's Railway Association (Košická detská historická železnica - KDŽŽ) which, in close cooperation with the City of Košice and private businesses, aims at revitalizing the historic railway infrastructure and preserving the historic rolling stock. The KDŽŽ organizes trips under programmes and projects addressed to children and youths (City of Košice Day, historical routes, pottery workshops) and cultural events connected with the Nostalgic Train Initiative.

Currently, within KDŽŽ, journeys are made using, for instance, the 36.003 steam locomotive Katka built in 1884 and the D / u841 wagon built in 1886. Both the locomotive and the wagon are currently the oldest rolling stock operating in Slovakia.



The system operates based on the well-identified potential of the area using the existing infrastructure in the best way possible.

RECOMMENDATIONS

Recommendations presented in individual areas arise directly from experiences analysed in the LAST MILE Project. They are based on results of regional analyses focusing on framework conditions, barriers and good practices implemented by regional project partners, expert input and comments and opinions submitted by stakeholders participating in regional meetings. Based on such information and experience in launching and implementing flexible transport systems, conclusions and further recommendations have been developed, broken down into different levels of management (selected and most important ones).

EU LEVEL

Recommendations



Emphasis on integrating flexible transport systems in guidelines for transport and sustainable mobility (White Paper, Sustainable Urban Mobility Plans, Sustainable Regional Mobility Plans).



Promoting awareness raising regarding benefits of FTS (e.g. defining the theme for European Sustainable Mobility Week closely related to FTS in rural and tourist areas).

Target group

European Commission, Council of the European Union

European Commission

NATIONAL LEVEL

Recommendations



Preparation of unambiguous definitions of flexible forms of transport and provisions in national law enabling the functioning of FTS as a part of the public transport system.



Introduction of regulations that impose the coordination of all means of transport on public transport organizers in their area of operation.



Creation of conditions for implementation and financing of FTS by using national and regional funding instruments.

Target group

Government / Legislator, Relevant ministries

National authorities, ministries and subordinate units

National authorities, ministries and subordinate units

REGIONAL LEVEL

Recommendations



Development of regional mobility plans that include FTS and cover metropolitan and remote disadvantaged areas.



Issues related to tourism should be reflected in transport strategies and policy documents. Consequently, documents and concepts regarding tourism development should refer to transport and sustainable mobility.



Information regarding the transport offer, including FTS solutions, should be coordinated and integrated. It is worth considering implementing a unified regional information platform.



The implementation and financing of FTS should be integrated in regional operational programmes.

Target group

Regional Administration

Regional Administration, Transport and Tourism Department

Regional Administrations and their units

Regional Administrations and their units

LOCAL LEVEL

Recommendations



Development and implementation of plans for sustainable public transport and sustainable mobility, including flexible transport systems.



Training, meetings, and study visits for decision makers and stakeholders at the local level should be organized to support FTS promotion process.



Continuous examination and evaluation of passenger transport needs (residents and tourists) and relevant transport policy update.

Target group

Local administrations and their units

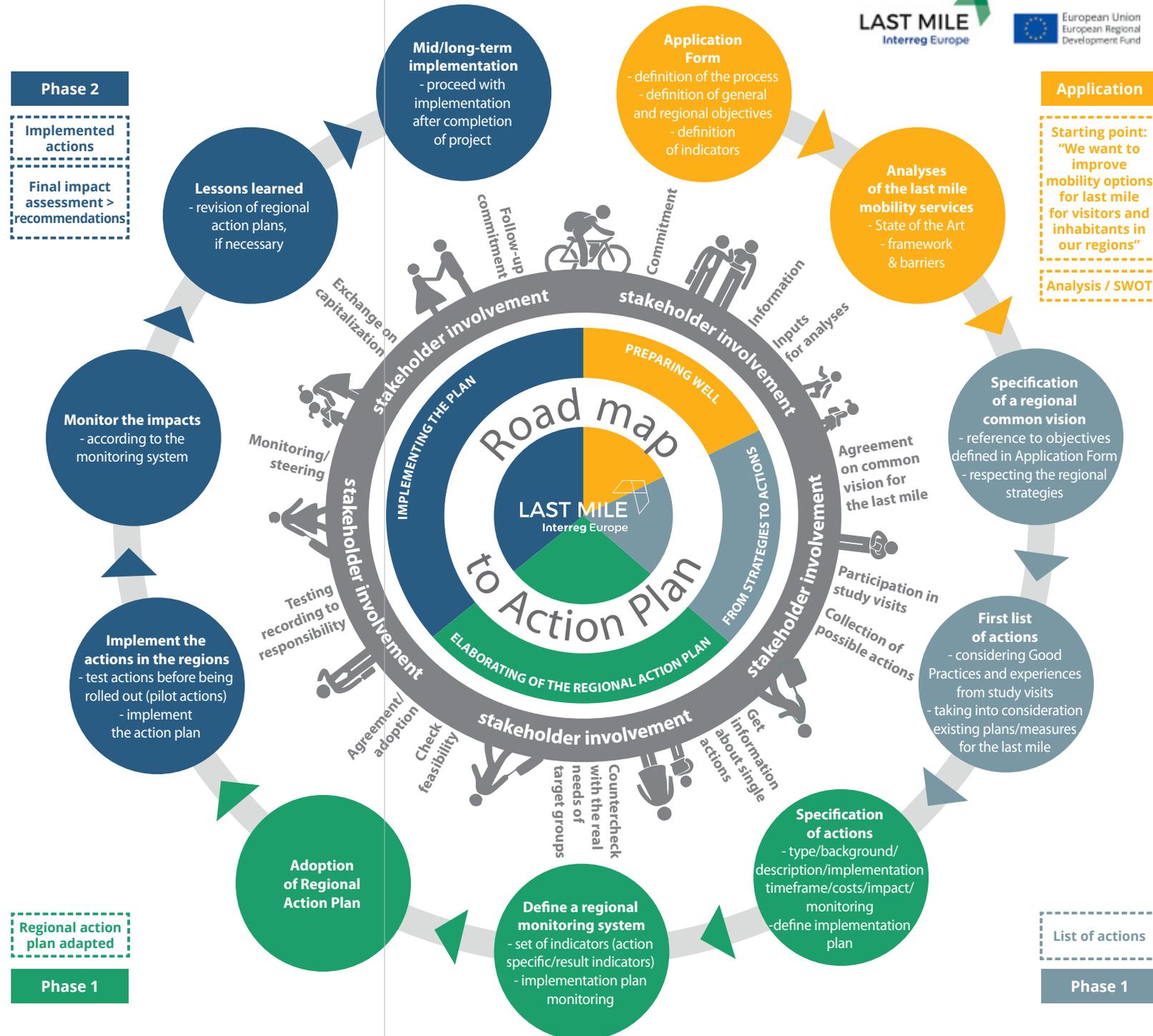
Local administrations and their units

Local administrations and their units

Recommendations are used by regional partners as a basis for the creation of their Regional Action Plans. Action Plans contain necessary measures for the effective implementation and maintenance of transport solutions corresponding to “last mile” challenges in tourist regions and in peripheral areas of low population density.

Measures have different forms. Some of them focus on the institutional and legal framework, funding and policy instruments, others on concrete implementation of sustainable flexible mobility and awareness raising and promoting of sustainable mobility, especially among tourists.

The Regional Action Plans ensure that lessons learned from the interregional exchange are integrated in regional policies. Various actions are expected to be put into practice during the second phase of the LAST MILE project (Oct 2018 – Sept 2020)



**MORE INFORMATION
ABOUT THE LAST MILE PROJECT**

A full version of the joint analysis, regional studies, factsheets and regional Action Plans are available at:

<https://www.interregeurope.eu/lastmile>

JOINT ANALYSIS 1

**THE REGIONAL FRAMEWORK CONDITIONS
AND BARRIERS OF FLEXIBLE TRANSPORT
IN THE PROJECT PARTNER REGIONS**

Editor: 

JOINT ANALYSIS 2

**"STATE-OF-THE-ART OF REGIONAL PUBLIC
TRANSPORT SYSTEMS AND PARTICULARLY
FLEXIBLE SYSTEMS"**

Editor: 

JOINT ANALYSIS 3

"GOOD PRACTICE EVALUATION"

Editor: 

SYNTHESIS

**"LAST MILE – SUSTAINABLE MOBILITY
FOR LAST MILE IN TOURISM REGIONS.
SYNTHESIS"**

Editor: 



Publisher

Agency for the Support of Regional
Development Košice,
Strojárska 3, 040 01 Košice, Slovakia

Editorial team: Agency for the Support
of Regional Development Košice, Environment
Agency Austria, komobile w7, Naturpark
Öwersauer, Regional Office for Spatial
Planning of Westpomeranian Voivodeship
(RBGPWZ)

Graphic design & DTP: RBGPWZ, Tonio, s.r.o.

Number of copies: 600

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August 2018

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LAST MILE project is financed under the INTERREG EUROPE Programme.

Overall project budget: € 1.607.720

ERDF contribution (INTERREG EUROPE): € 1.346.442

Project duration: Phase 1 04/2016 to 09/2018, Phase 2 10/2018 to 09/2020

LAST MILE Project partners:



Each region has been cooperating with a local stakeholder group involved in the interregional exchange.

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