Table S1: Overview of the governance arrangements and legal basis of the presented mobility concepts

Project	Governance Arrangement	Legal Basis	Connection with other services
REGIOtim	Decentralized contractual relationships with external support and central public control by regional management.	Intercommunal Cooperation along the Law on Planning and Development of the Province of Styria and its Regions (StLREG).	Locally connected with PT, no intermodal routing including the car-sharing option (planned via project MaaS*).
GUSTmobil	Decentralized contractual relationships with external operators and central public control by regional management.	Intercommunal Cooperation along the Law on Planning and Development of the Province of Styria and its Regions (StLREG) and province of Styria.	Directly connected with PT** time tables and dispatching routes intermodal between DRT*** and PT.
Bicikelj	Operated by external congractor through a public-private partnership between the local authority (City of Ljubljana) and an advertising company	Local authority responsibility for providing public transport and urban mobility.	Locally connected with PT, primarily in the urban area of Ljubljana, but expanding to the P+R**** thus enabling multimodal mobility between rural and urban areas.
EURBAN	Operated by the Public Transport Utility owned by the local authority, i.e. City of Ljubljana, but as a partnership with another local authority (Munipality of Škofljica).	Local authority responsibility for providing public transport.	Initially a DRT service directly connected with PT time tables (filling the gap in time of low frequency of PT) and dispatching routes intermodal between DRT and PT. The key principle was increased service frequency. The Škofljica pilot was a DRT service connecting locations without PT to the PT. Key principle was the service expansion.
Grass Routes	Operated by a single local authority using an in-house fleet.	Local authority responsibility for providing public transport.	Theoretically possible but not explicitly developed or promoted. Fleet shared with school transport services.
Bwcabus	Operated by county, but as a partnership between 3 local authorities, the Welsh Government, Traveline and the University of South Wales.	Actually, a bit uncertain – but returning to local authority responsibility for public transport.	Connections with interchanges for longer-distance TrawsCymru bus services. Connectivity is underdeveloped to date but a key principle in the service expansion.

<sup>\*</sup>Mobility as a Service, \*\*Public Transport, \*\*\*Demand Responsive Transport, , \*\*\*\* Park + Ride

Source: Own compilation, 2021

Table S2: Overview of the obstacles, gains and outlooks of the presented mobility concepts

Project	Obstacles	Gains	Outlook
REGIOtim	REGIOtim was set up from the outset in such a way that it can be financed by the individual municipalities without subsidies during operation. Therefore, high start-up subsidies for the implementation of the infrastructure and the purchase of the e-cars were provided by EU, state and regional funds (StLREG).	Cooperation in everyday operations not only brings advantages in joint communication and marketing, which can be coordinated very well via a regional interface such as regional management, but also synergies through cost sharing of e.g. server operation and customer hotline.	The regional management plays an important interface and driver role in this project. In addition, it is being examined whether outsourcing to a regional body instead of several individual operators would be advantageous for REGIOtim in the future.
GUSTmobil	The public sector is already investing a great amount of money in the expansion or densification of public transport in Styria. The additional financing of a comprehensive micro-PT* system like the GUSTmobil raises many fundamental questions of necessity. Without the high subsidies, the communities and the region would not be able to operate this system for the promotion of the basic function of existence in the long run!	If you already invest a lot of money in public transport, but it has to increase its popularity, especially in rural, sprawling areas, then a complementary mobility offers such as the GUSTmobil with its attractive feeder function can help to make the PT more attractive as a backbone. For this purpose, joint planning, routing, and booking is indispensable in the near future.	Instead of individual contracts between the municipality and the operator, the regional management will in future act as client and take on more responsibility in the fields of marketing and communication.  Also, the ticket integration between PT and DRT** system is an important point on the development roadmap.
Bicikelj	For widespread use, the BicikeLJ bicycle-sharing system requires costly installation of self-service terminals. While the system is almost free for the users, the public-private partnership needs to be adequately adjusted to make such expansion interesting and viable for both the public and private partners. This, in combination with the spatial distribution focused along main thoroughfares and the weight of the robust bycicles makes the system less suitable for longer distances, e.g. to/from rural and periurban areas. In addition, the distribution of bikes between stations must be ensured to offset unidirectional use in peak hours.	By expanding the Bickelj network to P+R**** and shopping areas in the periphery of Ljubljana, commuting (including from/to rural areas) in Ljubljana Urban Region has become increasingly multimodal. The number of terminals and bicycles has almost doubled in 6 years. Along the way, the cycling infrastructure has been improving both in the City of Ljubljana and in the rural municipalities surrounding it.	Bicikelj is an initiative by the City of Ljubljana, however other municipalities of Ljubljana Urban Region have shown interest into accounting for and possibly integrating Bicikelj into their local transport plans and multimodal initiatives. There is an opportunity to develop the Bicikelj network to solve the first and last mile gap, including in the rural areas, however the public-private partnership would need to be thoroughly revised for that and include other municipalities of Ljubljana Urban Region as well.

EURBAN	Overall the number of users was not high	EURBAN and the Škofljica pilot project showed that	Both the initial EURBAN and Škofljica pilot
	enough compared to the high operational	there is potential demand for responsive micro-public	needed to be subsidised. The Local Authorities
	costs to justify the project extension and	transport and interest of other local authorities in	are financially strained; thus, the project did
	expansion, though the first scheme was	Ljubljana Urban Region. However, the booking needs	not get upgraded to regular service as the low
	popular enough to increase the bus frequency.	to be simplified, the timing improved and extensive	demand did not justify the costs.
	Recognition of the service among potential	promotion are needed for the potential users to switch	
	users has not been evaluated. The	from private cars to DRT. In addition, fleet	
	convenience of the service might be too low as	optimisation using routing, GPS and predictive	
	it was limited to off-peak hours and limited	algorithms could balance range limitations with user	
	routes, thus suited only to some user groups	demand. The Škofljica pilot project where the local	
	and inconveniently short for multi-purpose	charging stations were used already improved this	
	trips.	aspect.	
Grass Routes	High costs of expanding and upgrading the	Further development would enable the system to	Whether Grass Routes is better remaining as a
Grass Routes	existing fleet (e.g. to ULEVs) and	offer expanded hours and cater to new user groups,	Monmouthshire-centric service or joining the
	implementing new technologies (such as an	such as commuters for the first and last mile. The	Bwcabus-TrawsCymru franchise could be
	online platform), especially given local	ability to provide an on-demand model using a digital	debated. The current governance model is
	authority budget cuts and withdrawal of	platform would also open the service to younger	very straightforward, but poses limits to
	previous sources of European funding.	people and tourists.	finance and user awareness. However, the
			local authority is very forward-looking and
			has ambitions for MaaS*** development.
Bwcabus	Offered in a limited number of counties,	The service has been moving closer to integration	The partnership with Traveline offers
	which may pose restrictions for users at	with TrawsCymru, which is very promising.	interesting possibilities for moving the service
	county borders. Financially limited by local	TrawsCymru is itself a relatively new brand, but has	closer to MaaS. The Welsh Government's
	authority funding and support provided by	been developing a promising national 'light'	involvement in the partnership could also
	the Welsh Government. Overall responsibility	infrastructure (e.g. bus interchanges and information	provide future direction for active travel
	for direction and operation is unclear.	boards) which increases visibility. These gains could	integration. It would be good to see Bwcabus
		be passed on to Bwcabus.	expand to cover the 9 predominantly rural
			local authorities in Wales, although this would
			involve complex negotiation especially where
			there are existing services like Grass Routes.

<sup>\*</sup>Public Transport, \*\*Demand Responsive Transport, \*\*\*Mobility as a Service, \*\*\*\* Park + Ride

Source: Own compilation, 2021