

Active Mobility Innovations for Green and safe city sOlutionS (AMIGOS)

Horizon Europe (9nda) rammáætlun EF

Designing inclusive, safe, affordable and sustainable urban mobility



Styrkbeiðni til handa Reykjavíkurborg

493,354 €

Heildarbeiðni til EF um fjárstyrk

9,355,503 €



Efnistöðk AMIGOS:

Ná utanum helstu áskoranir í samgöngum innan borga

Útfæra nálganir á öryggum, ódýrum og sjálfbærum lausnum sem skilja engan útundan, þ.m.t. viðkvæma vegfarendur.

Draga saman tæknilausnir (data platforms, digital twins) og stefnumótun í samgöngumálum þar sem hægt verður að skoða og meta sviðsmyndir sem hvetja til virkra ferðamáta, minnka bílaumferð og stilla saman skörun ólíkra ferðamáta á sanngjarnan og öruggan hátt.

Verkefni til 4ra ára

28 samstarfsaðilar (háskólar, stofnanir, fyrirtæki) í 16 löndum

5 borgir (lifandi rannsóknarstofur): Istanbul (TR), Hamburg (DE), Las Rozas (SP),
Lappeenranta (FI), Gabrovo (BG),

10 borgarsvæði (bætt umferðaröryggi): Istanbul (TR), Ankara (TR), Hamburg (DE),
Bologna (IT), Reykjavík (IS), Las Rozas (SP),
Nazareth (IL), Lappeenranta (FI), Gabrovo (BG),
Jūrmala (LV)

Hlutverk Reykjavíkurborgar (38 PM):

Fylgjast með þróun á Hlemmtorgi og þar í kring í kjölfar umbreytinga á svæðinu

Meta svæðið sem umferðaröryggissvæði

Vinna eigindlegar kannanir og greiningu (viðtöl við hagaðila, samsköpunarverkstæði, o.fl.)

Prófa lausnir og gera mælingar á árangursþáttum

Skýrslugerð (tækniskýrslur og stefnutillögur)



Samkvæmt samgöngutalningu sumarið 2018 má áætla að meðalfjöldi gangandi vegfarenda um Hlemm sé allt að 22.000 manns á dag. Hjólandi vegfarendur eru áætlaðir um 1.499 á dag og meðalfjöldi bifreiða um 3.900 á dag.

Deiliskipulag fyrir Hlemm og nágrenni

Umferðarskipulag og stækkun Hlemmtorgs

YRKI arkitektar, 27. nóv. 2019: bls. 7













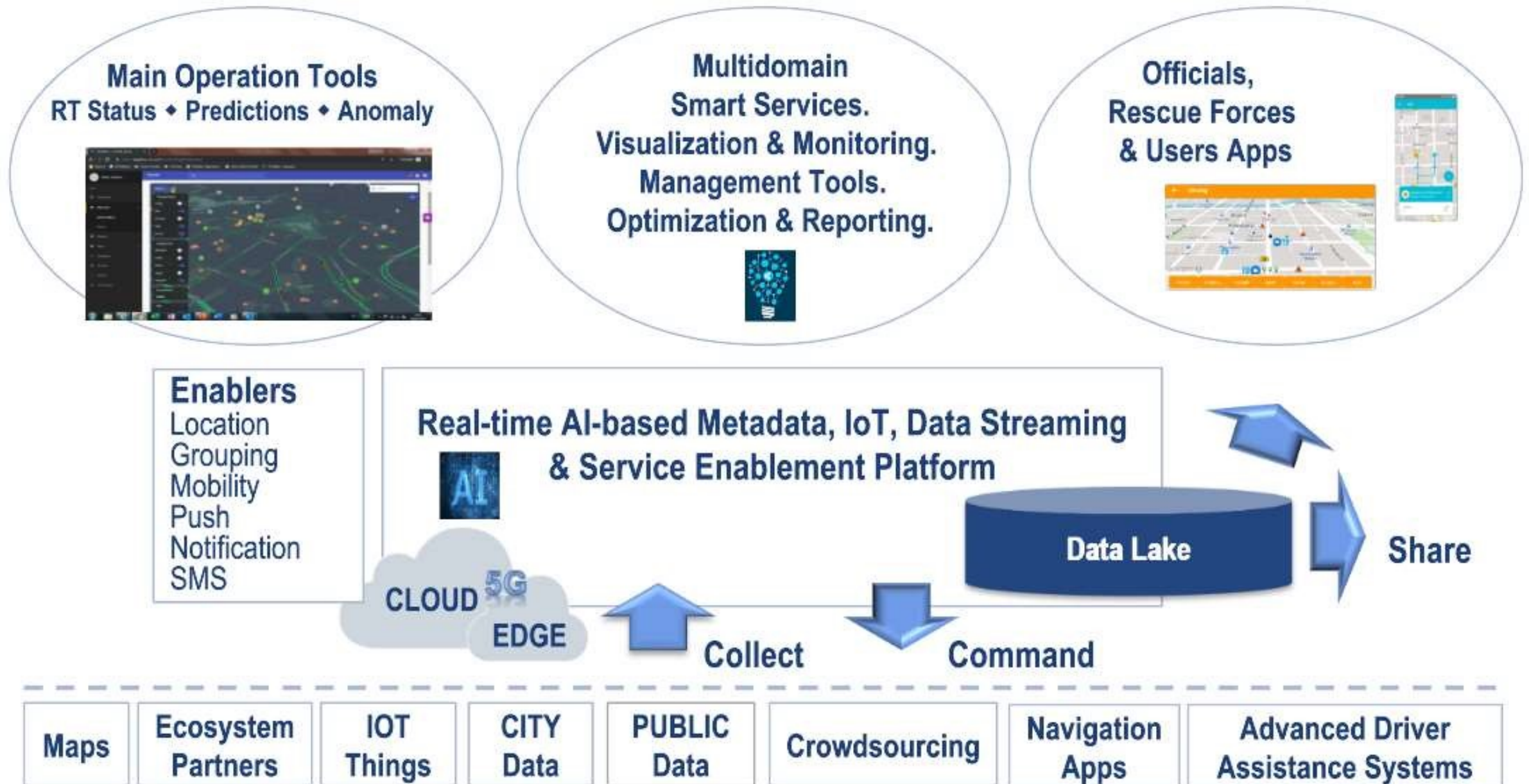


Public space re-allocation	
	• Dynamic space re-allocation to favour active mobility at certain times • Low-emission/Active mobility zones • Traffic re-routing • Temporary urbanism (“urban acupuncture”),
Infrastructure	
	• Accessible personal mobility vehicles in the hubs areas • “Map displays” for the visually impaired to be installed. • Safe cycling infrastructure (e.g., cycling zones) also for children, parking space for bikes and other services • New routes for active mobility • New road signs (traffic lights for bikes, bike entry signals, etc.);
	• Street signals for visual and other types of impairments; • Parking options (on the outskirts or next to key places)
Technological solutions	
	• Smart AI- and ML-based traffic lights and management systems in key intersections • IPgallery's Real-time AI Data Platform
Incentives and Information	
	• Awareness campaigns in public spaces and at events, in cooperation with local associations, neighbourhood initiatives, etc • Special tickets to specific areas or for events • Maps of accessible accommodations for people with reduced mobility • Training tourism office employees to support the disabled people in the definition of their itineraries • Sharing travel options, itineraries and occupancy forecasts with citizens online • 4K-camera and speed display • New safety measures (e.g. speed limits)

Verkfærakista AMIGOS

- Historical mobility data
- Fotefar Mobile application
- Survey data
- Mobility Observation Box (MOB)
- AMIGOS Big Data Platform
- Art-based co-creation with urban stakeholders
- Urban mobility toolbox
- Comprehensive city models
- Digital twins

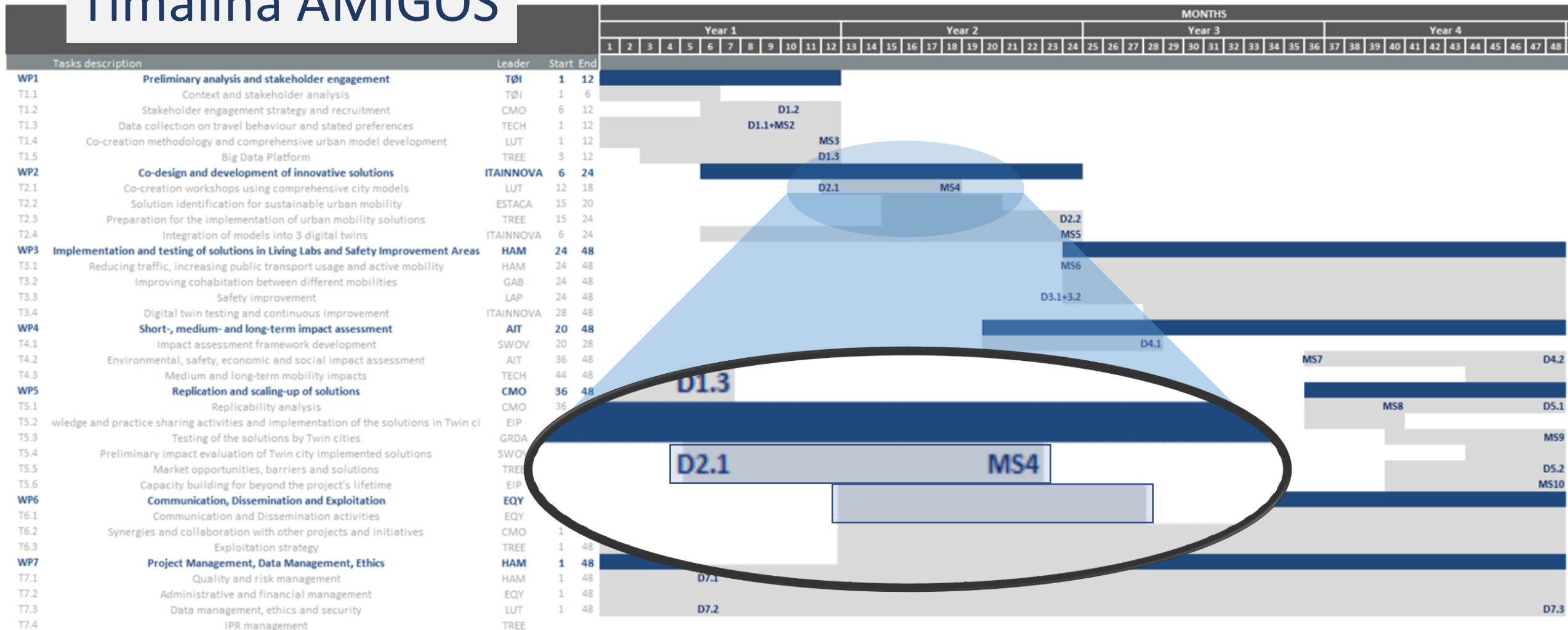
OVERALL SYSTEM ARCHITECTURE OVERVIEW



AMIGOS – megin verkþættir

WP No	Work Package Title	Participant No	Lead Participant	Person-Months	Start Month	End Month
1	Preliminary analysis and stakeholder engagement	24	TØI	197	1	12
2	Co-design and development of innovative solutions	22	ITAINNOVA	197.5	6	24
3	Implementation and testing of solutions in Living Labs and Safety Improvement Areas	20	HAM	280	24	48
4	Short-, medium- and long-term impact assessment	22	AIT	139.5	20	48
5	Replication and scaling-up of solutions	28	CMO	130.5	36	48
6	Communication, Dissemination and Exploitation	28	EQY	127.5	1	48
7	Project Management, Data Management, Ethics	28	HAM	111.5	1	48
			Total PM	1183.5		

Tímalína AMIGOS



WP2

T2.1

T2.2

Co-design and development of innovative solutions

Co-creation workshops using comprehensive city models

Solution identification for sustainable urban mobility

Ráðgjöf / samvinna / vinnuframlag ?

WP2

Co-design and development of innovative solutions

T2.1

Co-creation workshops using comprehensive city models

T2.2

Solution identification for sustainable urban mobility

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TAKK FYRIR ☺

