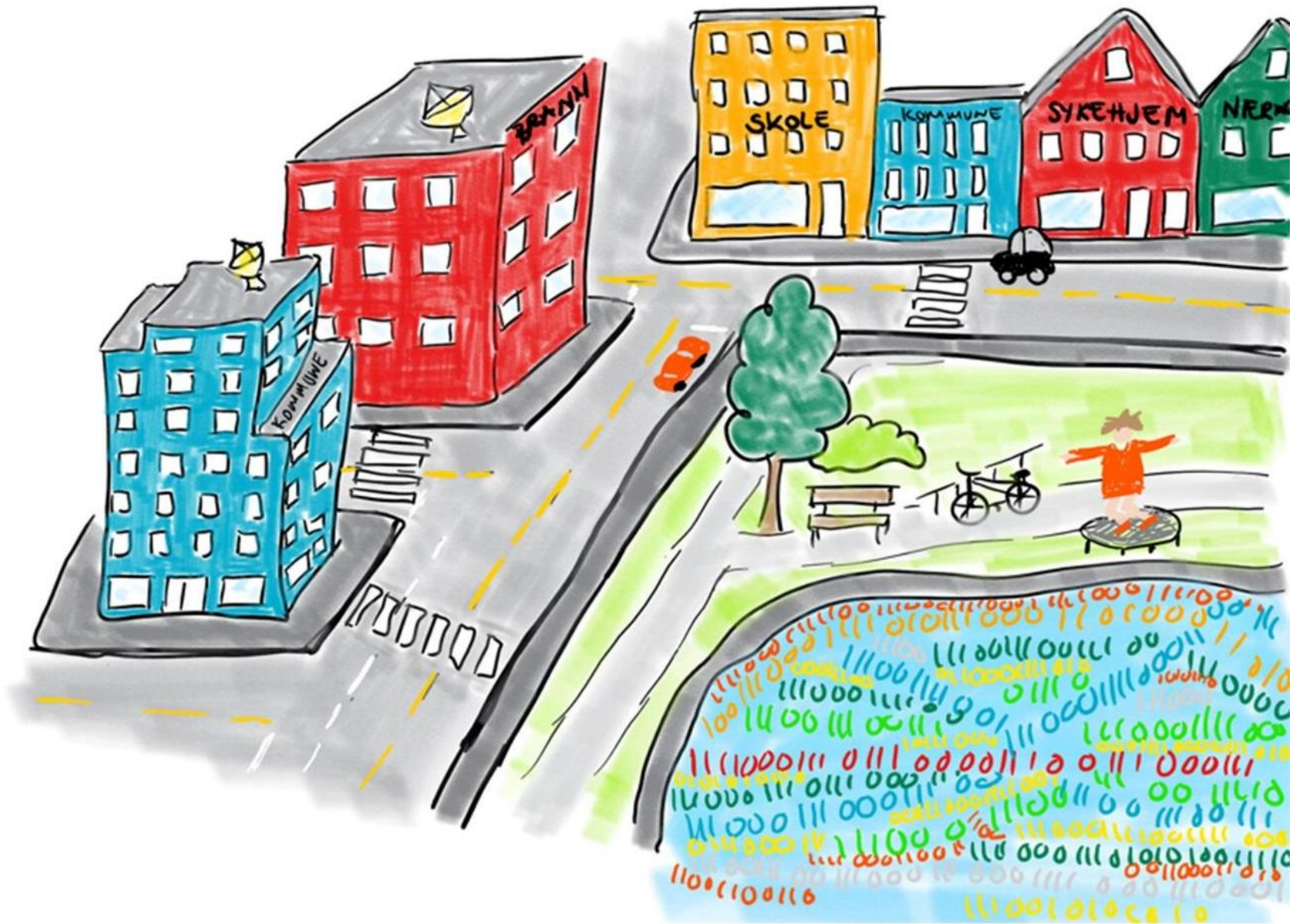


MOBILITETSLABORATORIUM
FOR
UTVIKLING AV
SMARTE
TRANSPORTLØSNINGER



**HORDALAND
FYLKESKOMMUNE**

skyss 



**BERGEN
KOMMUNE**



Statens vegvesen



- we won NOK 12.5 million

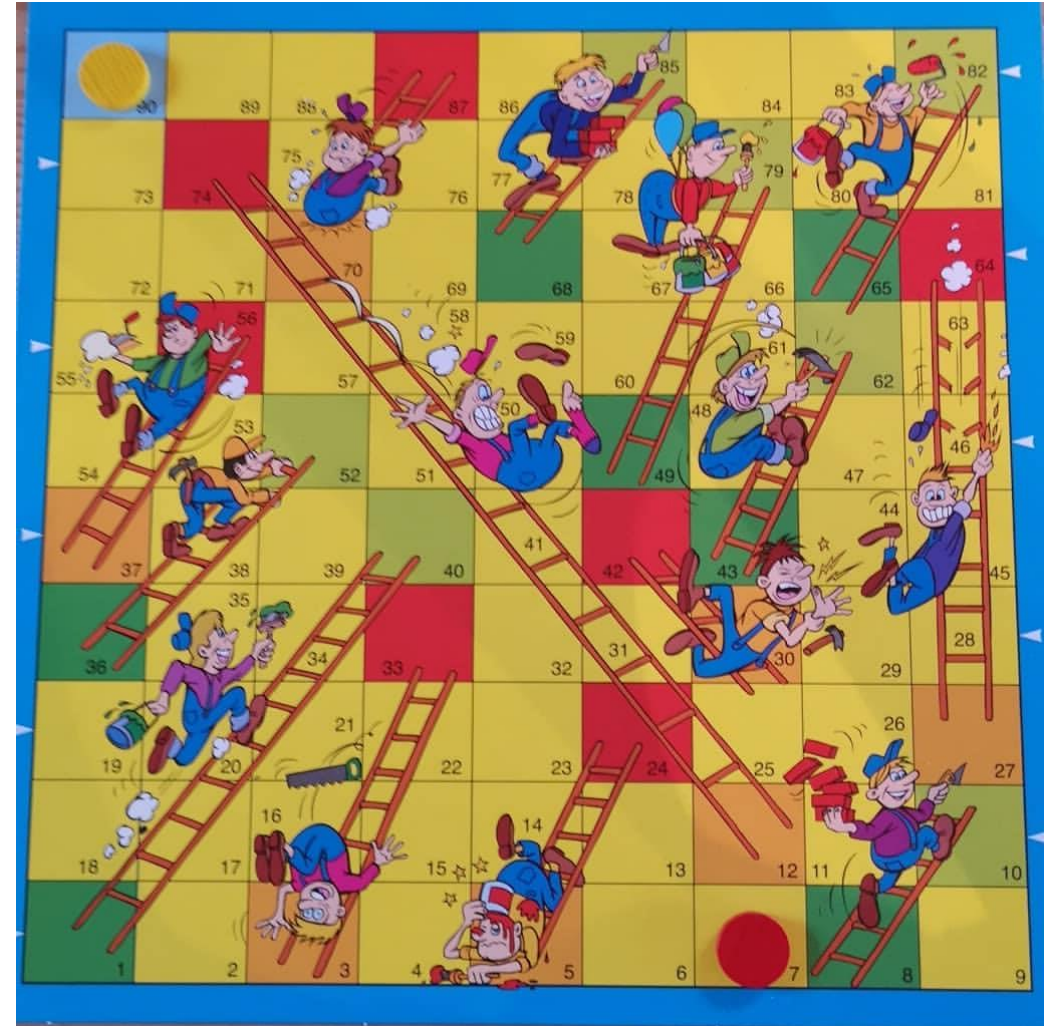


MOBILITETSLABORATORIUM
FOR
UTVIKLING AV
SMARTE
TRANSPORTLØSNINGER



What can you achieve through **MUST**?

- Imagine your project as a game of ladders
- MUST can accelerate your progress (climbing up a ladder).
- All projects have risks, some times you need to step back (a ladder you fall down).



What can **MUST** do for you?

- MUST can:

- Help you developing your idea
- Help you finding good partners
- Help you interpreting data from various sources
- Help you testing your solution in a realistic environment

- ***ART-Forum pilots and studies utilize the MUST platform***

- MUST can not:

- Own mobility services
- Manage your project
- Take on risk in your project
- Guarantee results in your project

Mobilitetslaboratorium for **U**tvikling av **S**marTE **T**ransportløsninger

MUST

InnoLab



Matchmaking,
ideas and concepts



TestLab

Testing in the real
world



DataLab



Insights



BERGEN
KOMMUNE



Statens vegvesen

skyss



HORDALAND
FYLKESKOMMUNE

MUST consists of 3 labs

InnoLab



Idea-/concept
development, Finding
partners

DataLab



Verify concept
against data

TestLab



Testing concept in the
real world



Some of our workshops.....

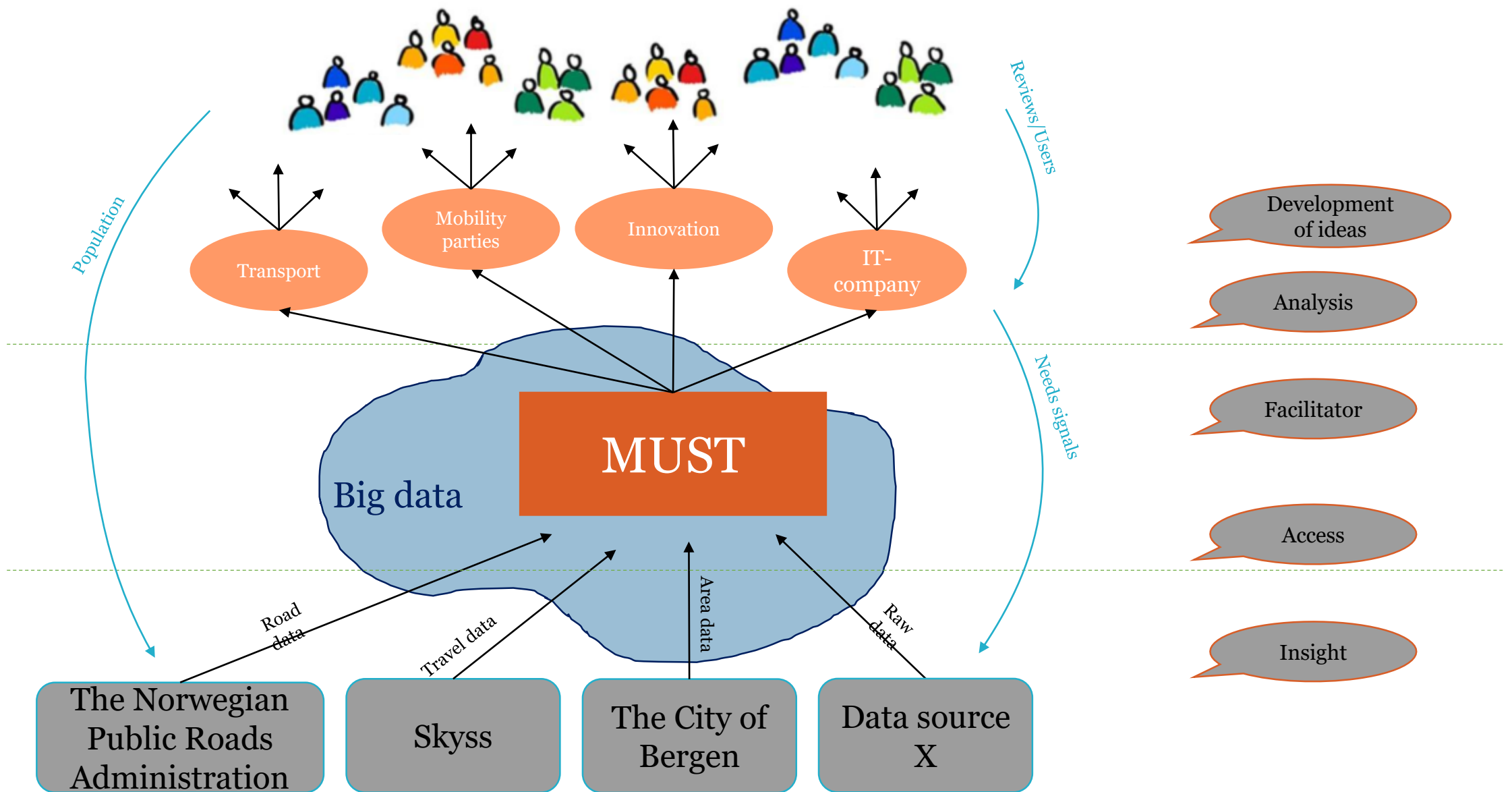


Interreg
North Sea Region
ART-Forum

European Regional Development Fund



EUROPEAN UNION





Mobilitetsrapport august 2019

Rapporten er under utvikling. Det kan derfor forekomme feil og mangler i dataen.

Dersom du oppdager en feil ønsker vi at du informerer om dette



Biler

Sammenlignet
med i fjor

Hittil

73 %

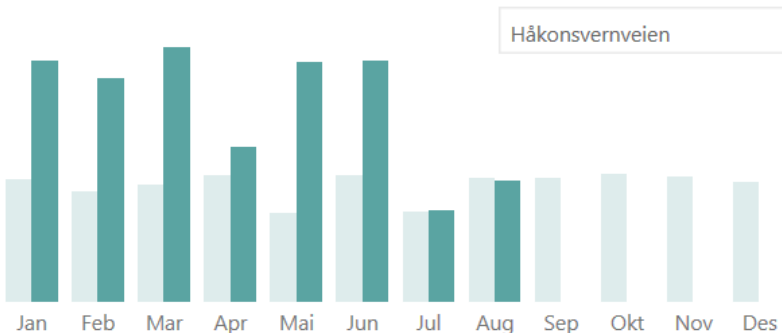
Denne mnd

-2 %

1,0 mill.

0,5 mill.

0,0 mill.



● Forrige år ● Antall kjøretøypasseringer



Buss

Sammenlignet
med i fjor

Hittil

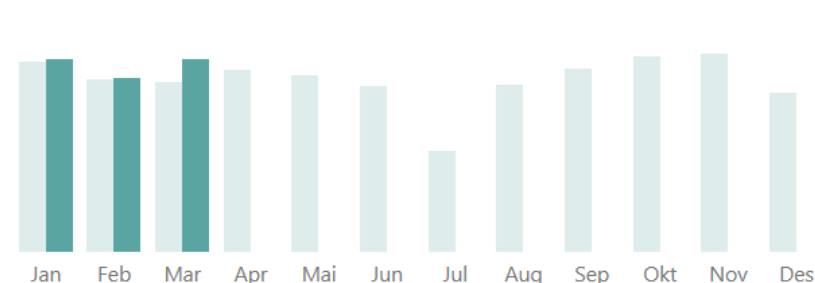
-58 %

Denne mnd

-100 %

5 mill.

0 mill.



● Forrige år ● Antall passasjerer



Sykkel

Sammenlignet
med i fjor

Hittil

100 %

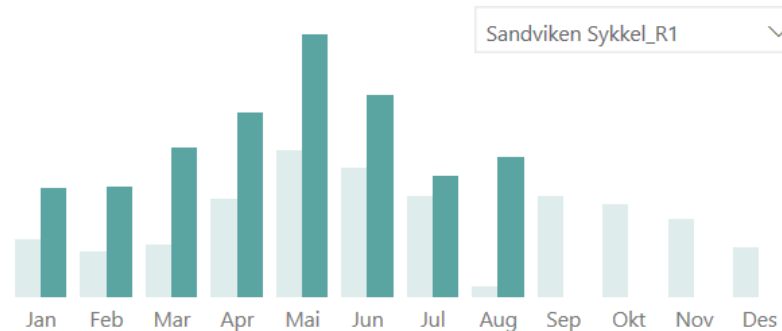
Denne mnd

1,196 %

20 tusen

10 tusen

0 tusen



● Forrige år ● Antall sykkelpasseringer



Bybane

Sammenlignet
med i fjor

Hittil

218 %

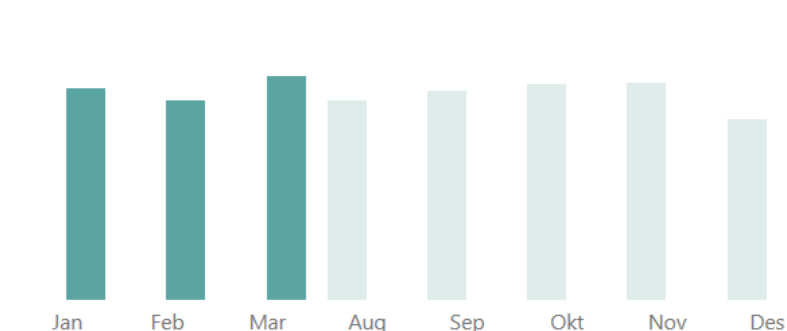
Denne mnd

-100 %

2 mill.

1 mill.

0 mill.



● Forrige år ● Antall passasjerer



Bysykkel

Sammenlignet med i fjor

Hittil

1,130 %

Denne mnd

409 %

Stasjonsnavn

Antall turer

% andel pr. stasjon

Møllendalsplass	29 117	4,12%
Nykirken	26 042	3,69%
Bergen jernbanestasjon	23 342	3,30%
Cornerteateret	22 949	3,25%
Totalt	706 602	100,00%



Luftkvalitet

Dager over terskelverdi i år

NO2 PM2.5 PM10

10 7 23

Denne måneden

NO2 PM2.5 PM10

2 - 2



Busspassasjerer mars 2019



Hjem



Biler



Buss



Bybane



Sykkel



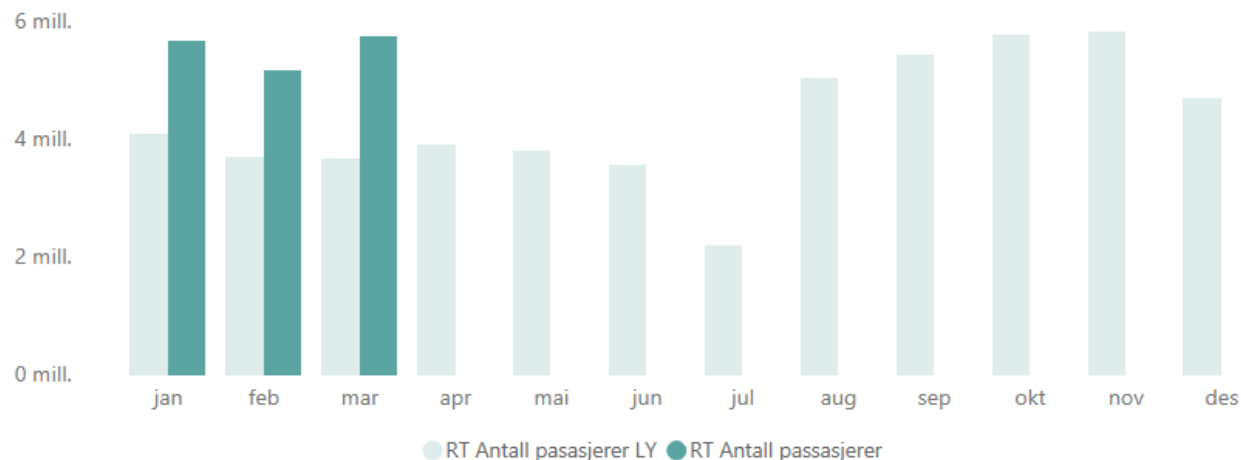
Bysykkel



Luftkvalitet

MVR

Antall passasjerer per måned sammenlignet med fjoråret



Denne perioden

5,743,634

Antall passasjerer

57 %

Endring mot i fjor %

Hittil i år

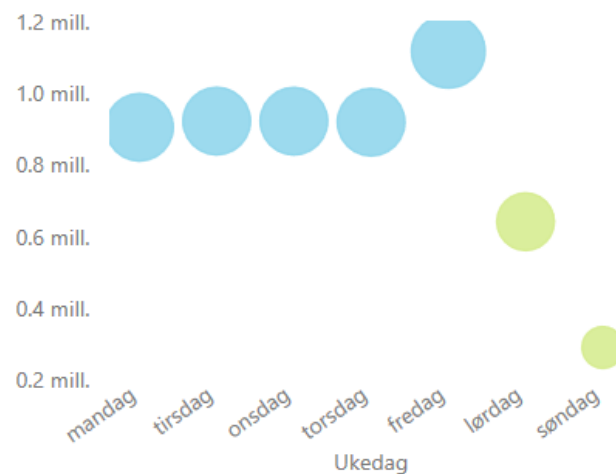
16,593,413

Antall passasjerer

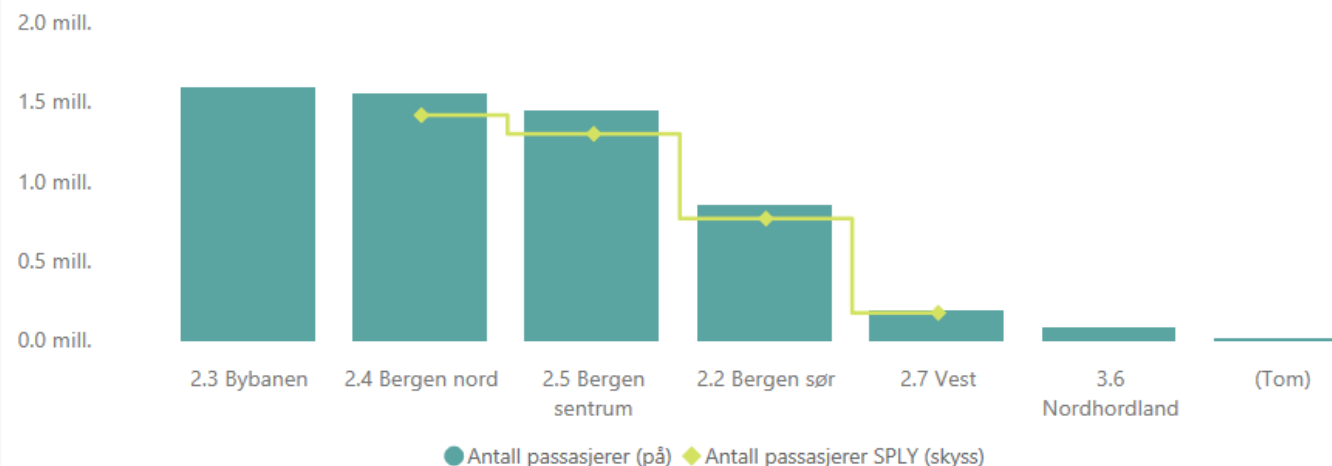
45 %

Endring mot i fjor %

Antall passasjerer per ukedag



Antall passasjerer per linje





MVR - Bilpark november 2018



Hjem



Biler



Buss



Bybane



Sykkel



Bysykkel

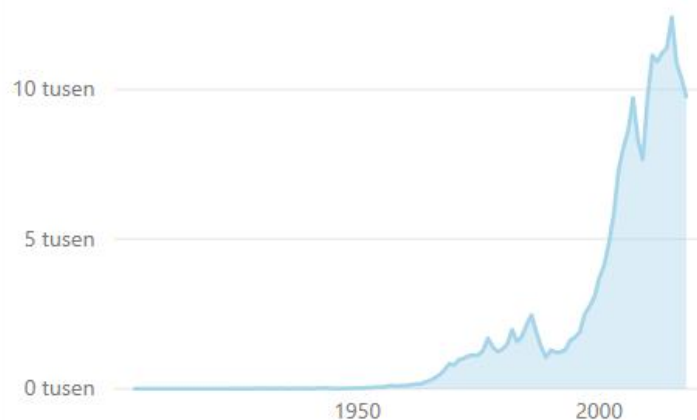


Luftkvalitet

MVR

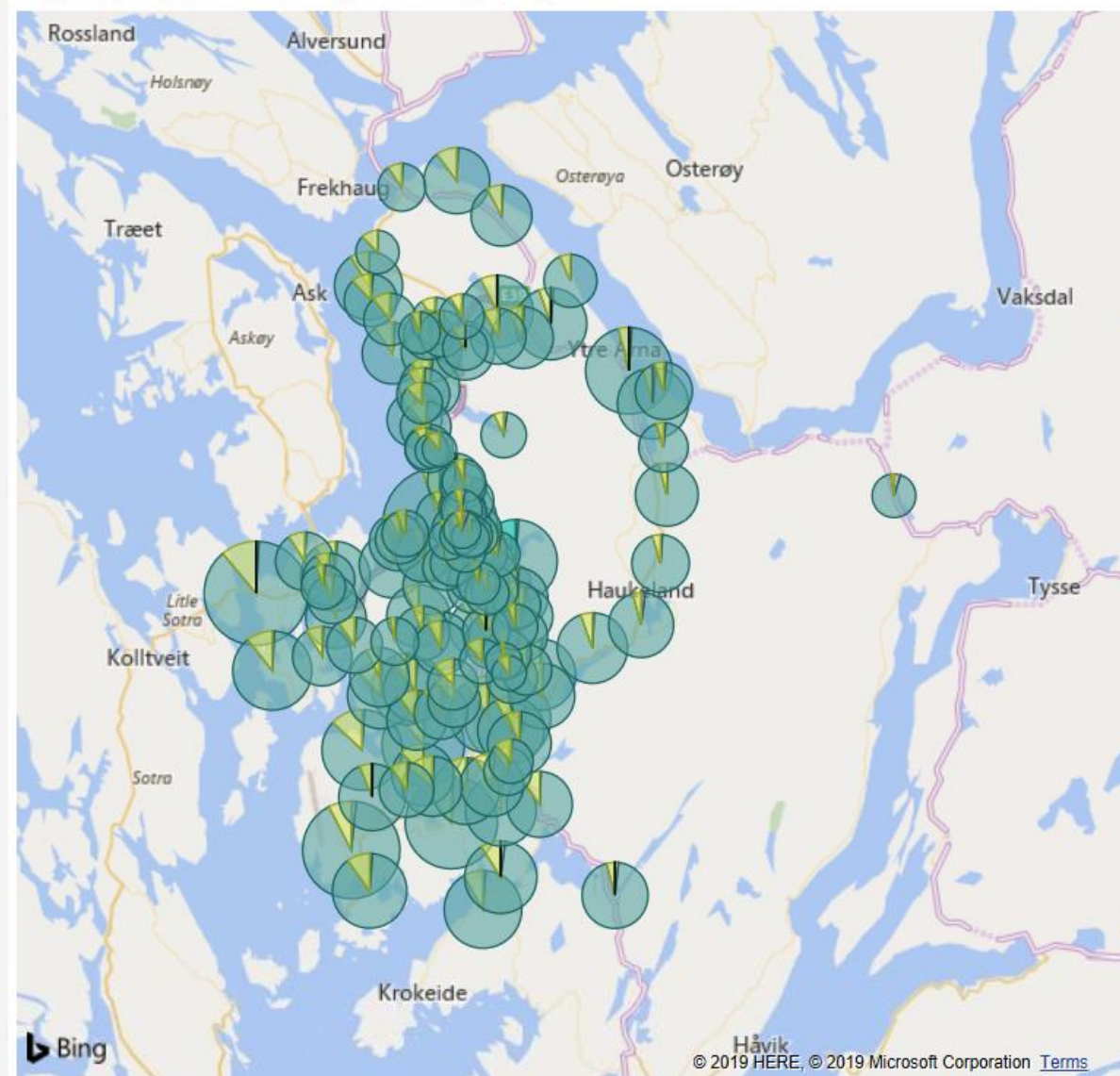
poststed	antall biler	Antall el-biler	Andel el-biler
SØREIDGREND	6555	791	12.1 %
5252	3208	416	13.0 %
5251	3347	375	11.2 %
STRAUMSGREND	2088	247	11.8 %
5151	2088	247	11.8 %
MORVIK	2538	286	11.3 %
5124	1288	151	11.7 %
5122	1250	135	10.8 %
BØNES	5505	613	11.1 %
5152	1140	139	12.2 %
5153	1268	151	11.9 %
5154	1337	145	10.8 %
5155	1760	178	10.1 %
SANDSLI	3324	366	11.0 %
5253	1913	232	12.1 %
5254	1411	134	9.5 %
GODVIK	4844	533	11.0 %
Totalt	218386	17637	8.1 %

Antall biler pr. registreringsår

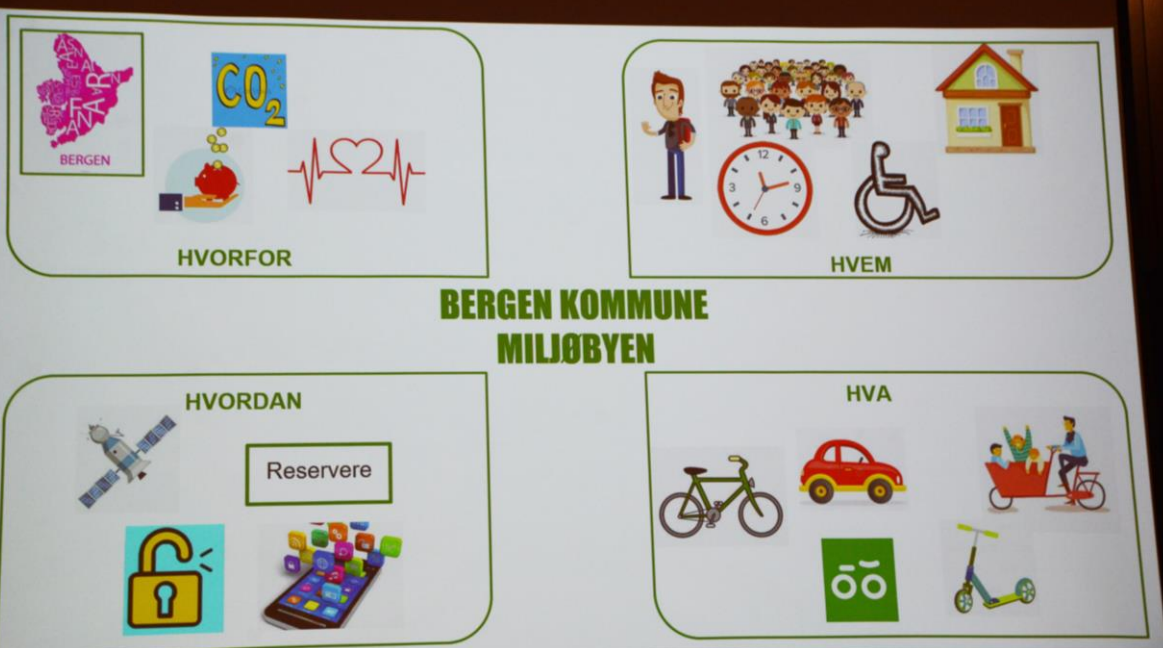
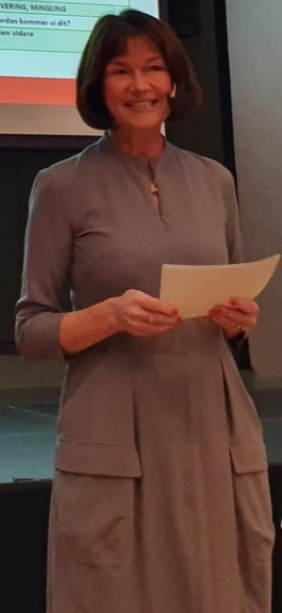
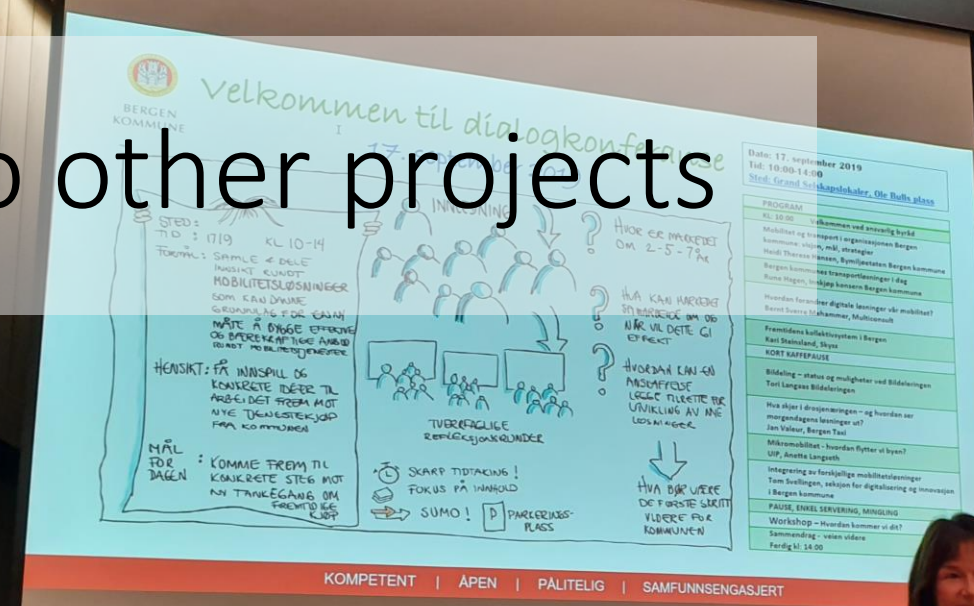


Bilpark pr. postnummer

Biltype ● (Tom) ● Annet ● El-bil ● Gassdrevet ● Hydrogendrevet



- Elektrifisering
- Integrering
- Deling
- Autonomitet



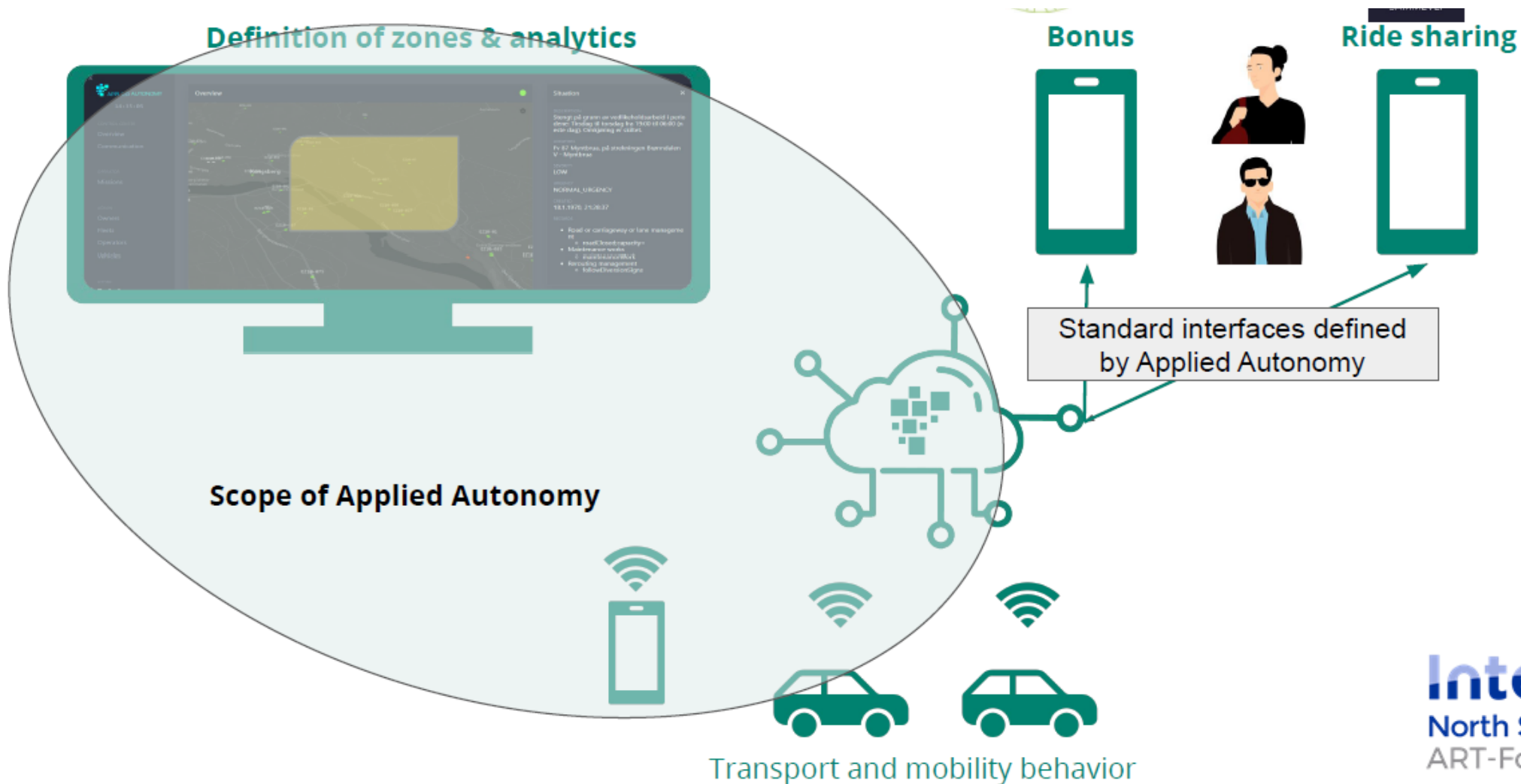
Living Lab #1: Åsane suburban area



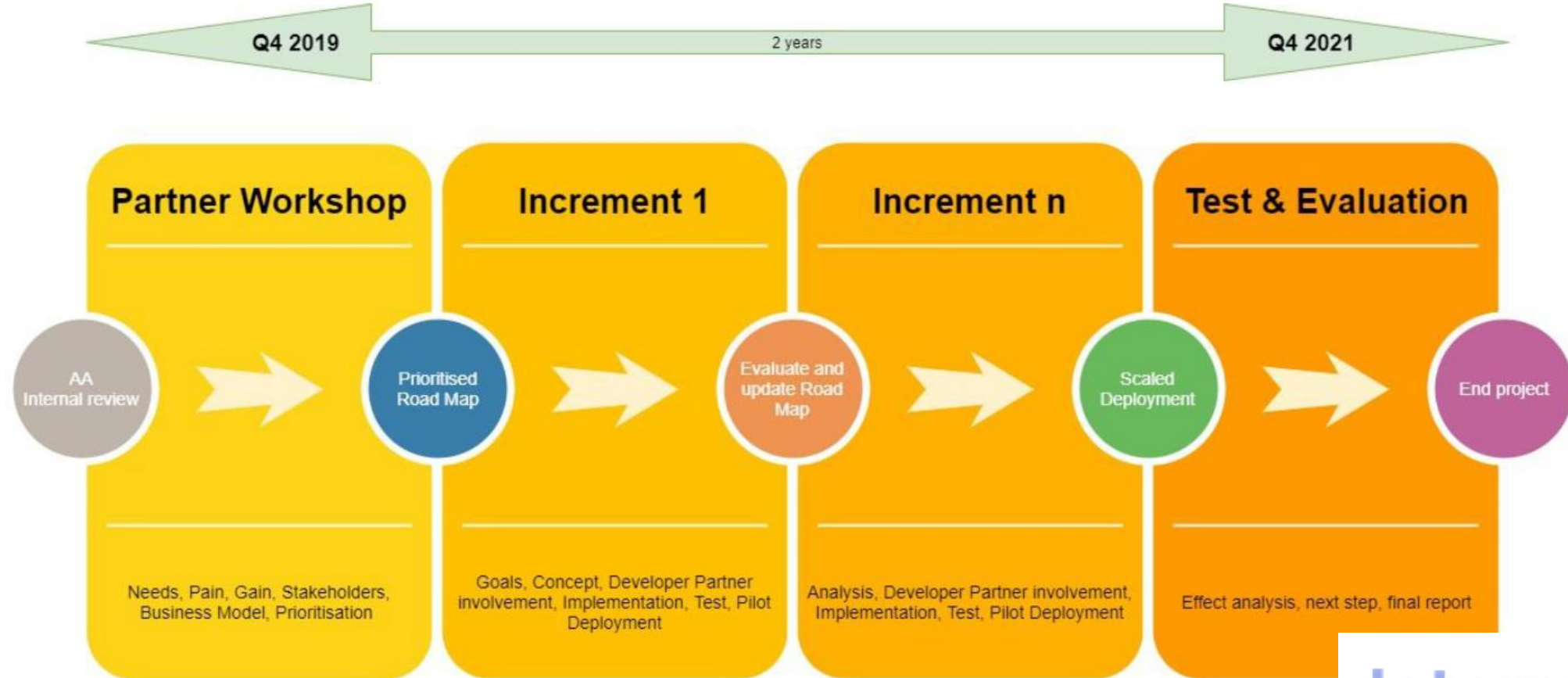
What can new smart mobility solutions do for an area built for cars?

Pilot #1: Testing of smart mobility «reverse road pricing» system

AUTONOMY

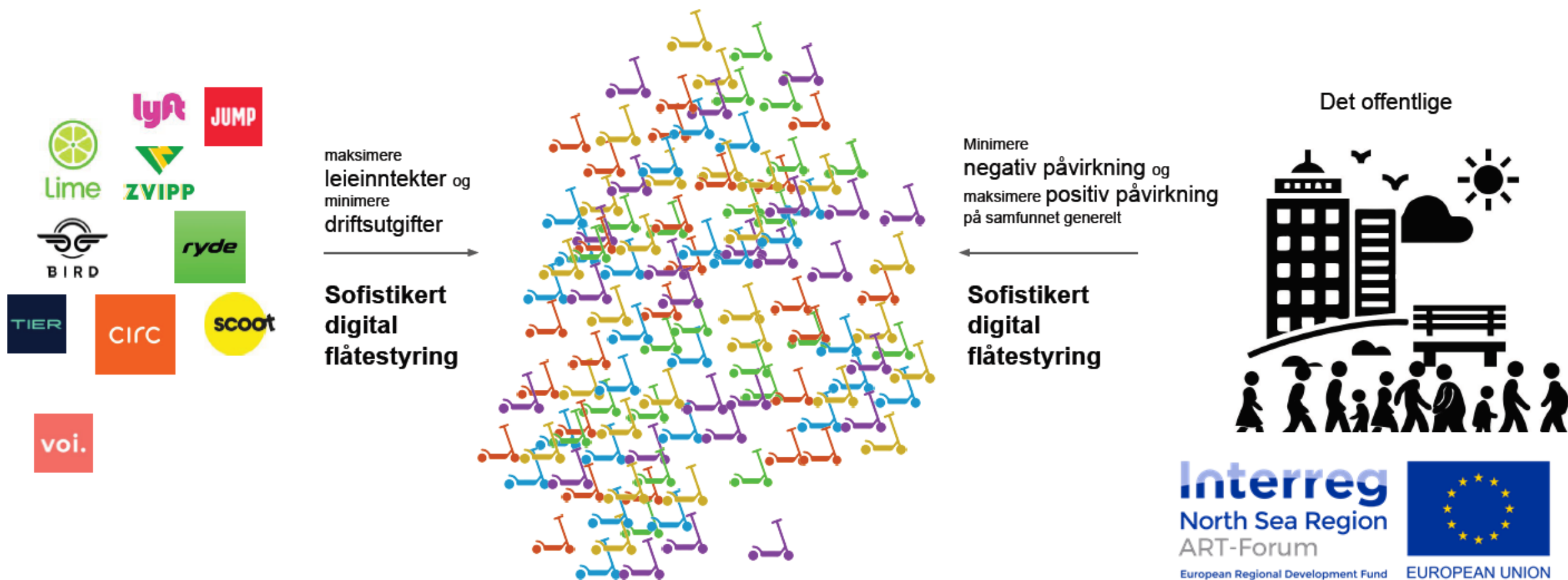


Pilot #1: Testing of smart mobility «reverse road pricing» system



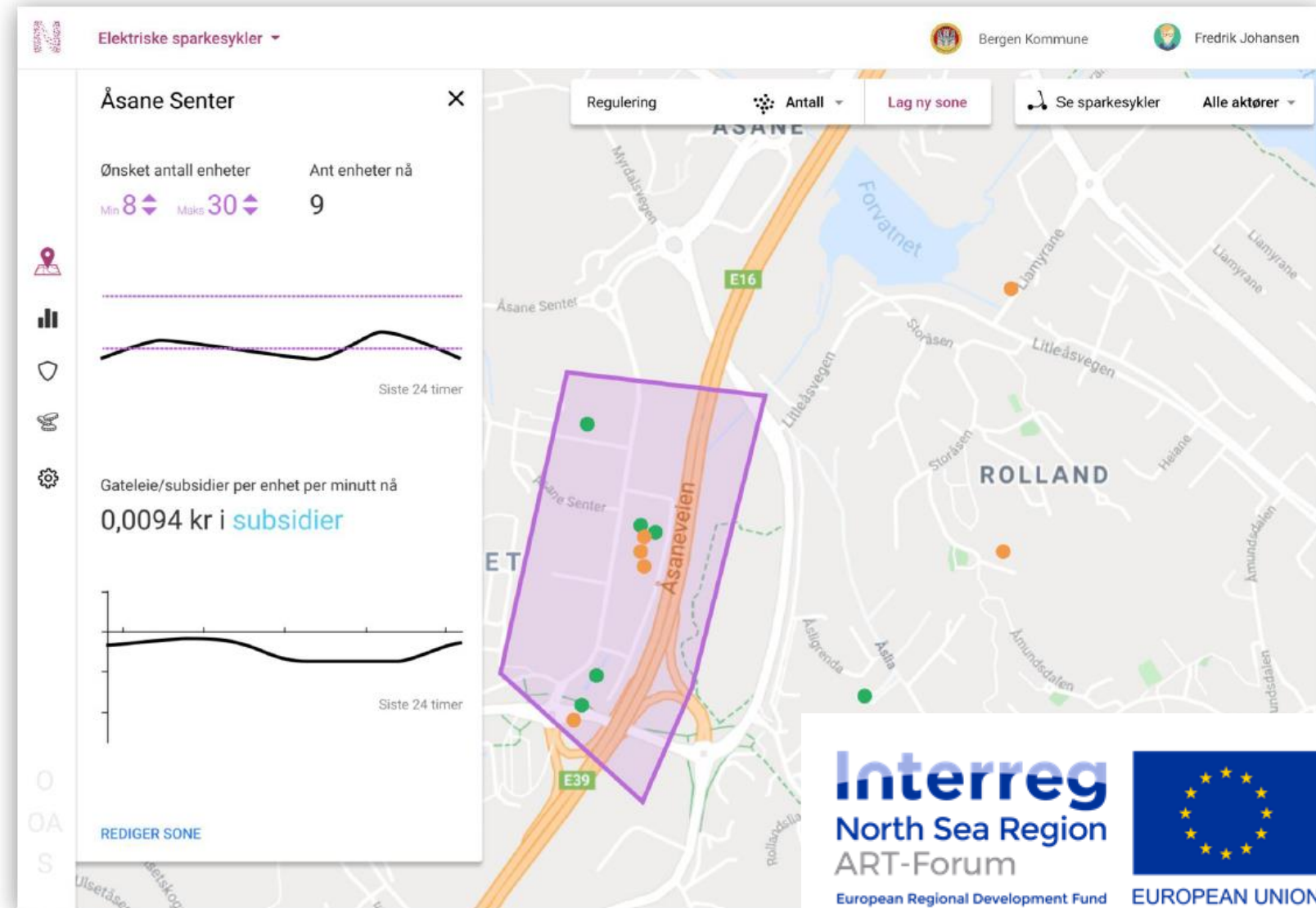
© 2019 Applied Autonomy AS.

Pilot #2: Testing of smart regulatory system for micromobility

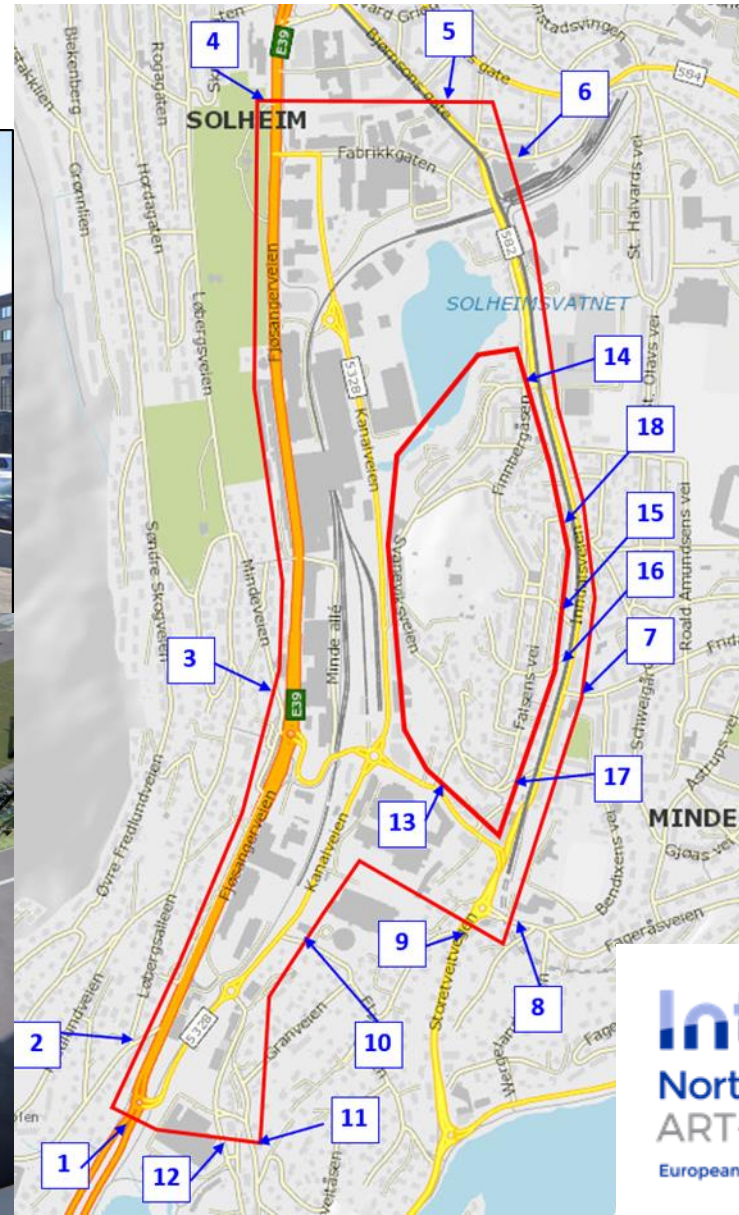


Pilot #2: Testing of smart regulatory system for micromobility

- Geofencing and artificial intelligence
- Charging operators for using public land, dynamically in real time
- Highly relevant for the regulation of autonomous vehicles



Living Lab #2: Mindemyren urban transformational area



How to plan and build future-proof solutions for parking and road infrastructure?