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CIVITAS FORUM 2018

CIVITAS ANNUAL CONFERENCE | 19-21 SEPTEMBER 2018 | UMEÅ | SWEDEN

UMEÅ KOMMUN

Mobility for U and Me.

#CIVITAS2018

Umeå Folkets Hus, Skolgatan 59

Umeå, Sweden

Welcome!

Välkommen!
Teretulnud!
Bienvenue!
Benvenuto!
Welkom!
Bienvenida!
Willkommen!
Fogadtatás!
Velkomin!
Tervetuloa!

Photo: Fredrik Larsson

We are immensely proud to host this year's CIVITAS Forum and welcome Europe's brightest mobility minds to Umeå. Innovative mobility measures and participatory planning processes have transformed Umeå into an inclusive, green, and smart city, and we hope to prove that putting citizens and their welfare at the center of policy and practice produces the best results.

Our city is focused on strategies for sustainable growth. We're aiming at building a denser, more land-use and transport efficient city, with high quality parks and public places. It is important to recognize that openness, democracy and equality should be part of all planning processes in a growing sustainable city.

Urban growth should be within 5 km from the central parts of the city, and along public transport main lines.

Umeå is one of Scandinavia's leading exponents of sustainable urban development. A series of site visits will enable participants to experience why, including tours of the city's smart university district, its gender-sensitive infrastructure, and new multimodal hub, Vasaplan.

I am certain you will be inspired by this year's CIVITAS Forum. That you will leave here with new knowledge, having shared ideas and new partnerships.

Welcome to experience Mobility for U and Me.

Hans Lindberg, Mayor of Umeå

Cover photo: Malin Grönborg

Welcome to Umeå and the 16th edition of the CIVITAS Forum conference!
The Forum has established itself as the meeting place for the sustainable urban mobility community. Each year, it provides the perfect platform for exchange on hot topics in the field and setting out clear pathways to bring cleaner, better transport to Europe and beyond. We are both delighted to join you!

Highlights this year include new take-up and transfer sessions, which allow us all to look at cutting-edge urban mobility tools, and the launch of Umeå's zero-emission e-bus fleet. Such measures are what Commissioner Bulc envisaged when she unveiled the Safe, Connected and Clean mobility package earlier this year. As ever, the CIVITAS Awards also recognise the towns and cities that are turning urban mobility policy into transformative reality.

With 2018 the Year of Multimodality, the Forum theme of "Mobility for U and Me" is highly appropriate. The Forum examines the crucial question of how we can create the environmentally friendly, inclusive, and demand-driven transport systems of tomorrow – exactly what we want to see achieved through multimodality.

Umeå is your chance to see how the pioneering work of CIVITAS is helping to place multimodality at the beating heart of the EU's transport system.

We wish you three enriching and stimulating days and hope that you'll come with lots of fresh ideas – and leave with even more, and a sense of the multimodal and inclusive mobility systems we want to build together.

Maja Bakran, Deputy Director-General, DG MOVE, European Commission
Matthew Baldwin, Deputy Director-General, DG MOVE, European Commission

In what will be my final Forum as Chair of the CIVITAS Political Advisory Committee (PAC), I look forward to finishing off what have been an invigorating three years together with my colleagues from the CIVITAS PAC and community.

Steen Møller, Former Deputy Mayor, City of Odense,
Chair of the CIVITAS Political Advisory Committee

Umeå city

1. Umeå Folkets Hus
2. Väven/P5
3. Rex
4. Umeå University
5. Vasaplan
6. Bildmuseet
7. Clarion Collection Hotel Uman
8. Comfort Hotel Winn
9. Elite Hotel Mimer
10. Hotel Aveny
11. Scandic Plaza
12. Stora Hotellet
13. U&Me
14. Umeå Airport
15. Umeå C Railway station

Media information

Registration

Register at the press and info desk inside the Folkets Hus. Please show your press accreditation. There you will receive a badge indicating you are press.

Press room

The Midgård room is reserved for press from 13.15 on Wednesday 19 September to 16.30 on Friday 21 September. It is on the second floor of the Folkets Hus. Journalists are free to use this room as they wish. Refer to the venue map on **p.30** for its exact location.

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Programme summary

Wednesday 19 September – p.6

- Registration opens
- Site visits
- Opening plenary
- Parallel sessions in the Folkets Hus
- Evening cocktail reception at Väven, Umeå's cultural venue

Thursday 20 September – p.8

- Parallel sessions in the Folkets Hus
- CIVITAS Politicians' Forum (by invitation only)
- Presentation of Umeå's new electric bus fleet
- CIVITAS Awards Ceremony and Gala Dinner at the Folkets Hus

Friday 21 September – p.12

- Parallel sessions in the Folkets Hus
- Closing plenary
- Announcement of CIVITAS Forum 2019 host
- Site visits
- Informal evening gathering at Rex

Further information

- Session descriptions – **p.20–29**
- Site visit descriptions – **p.14–15**
- Press registration and press room – **p.4**
- The CIVITAS Awards – **p.17**

DAY 1 (WEDNESDAY 19 SEPTEMBER)

IDUN, Folkets Hus, Skolgatan 59, Umeå

09.30–17.00 **Conference registration including coffee/snacks**

09.30–11.30 **CIVITAS PAC**
(Political Advisory Committee Meeting – closed event) hosted by Margareta Rönngren (lunch is until 13.30) at Rex, a 5' walk from Folkets Hus

10.30–12.30 **Site visits (detailed on p.14–15)**

A Umeå University – smart university district
B Going electric – buses and cargo bikes
C Safe and secure gender-sensitive infrastructure
D Vasaplan – Umeå's new multi-modal hub
E Northern Sweden as a bio-fuel region (only on Wednesday)

Lunch

13.45–14.30 **Opening plenary including welcome addresses:**

- Hans Lindberg, Mayor, City of Umeå
- Lena Erixon, Director, Swedish Transport Administration (Trafikverket)
- Maja Bakran Marcich, Deputy Director-General for Mobility and Transport
- Steen Møller, Outgoing Chair, CIVITAS Political Advisory Committee (PAC)

Chair: Karen Vancluysen, Secretary General, POLIS & Project Coordinator, CIVITAS SATELLITE

14.30–16.00 **Keynote addresses: Realising shared and inclusive mobility**

- The citizens' view on what makes a city a liveable city? Marianne Weinreich, Market Manager Smart Mobility, Rambøll Group A/S
- Closer Together: This is the future of cities. Alexander Ståhle, CEO, Spacescape
- Co-designing the future. Stina Nilimaa Wickström, Vice President, Product Design, Volvo Group

Followed by a panel and plenary discussion on shared and inclusive mobility

Chair: Karen Vancluysen, Secretary General, POLIS & Project Coordinator, CIVITAS SATELLITE

Coffee break

DAY 1 (WEDNESDAY 19 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

16.30–18.00 Parallel sessions (Folkets Hus)

EC SUPPORT FOR R&D AND THE DEPLOYMENT OF INNOVATIVE URBAN MOBILITY (1)

Location: GRIM

- Partnership on Urban Mobility. Piotr Rapacz, DG MOVE
- ESIF, CEF2. Piotr Rapacz, DG MOVE
- Urban Innovative Actions, & future funding. Susana Forjan, Urban Innovative Actions (TBC)
- Update on Horizon 2020 calls and Horizon Europe, plus EIC SME support, ELENA, Exploitation and Dissemination Booster, EIP Smart Cities & Communities & the STRIA process. Marcel Rommerts, INEA

Moderator: Begoña Muñoz, Innovation and Networks Executive Agency (INEA)

URBAN ROAD SAFETY MANAGEMENT: A SHARED RESPONSIBILITY (2)

Location: TONSALEN

- An integrated road safety management for the City of Munich: Measures from CIVITAS ECCENTRIC. Dr. Matthias Mück, City of Munich
- Umea: how a city in the world's best road safety country manages safety. Marie Frostvinge, City of Umea
- Commercial vehicles and liveable cities: Technology addressing urban safety challenges. Peter Kronberg, Volvo
- Shared Space and Visually Impaired Persons. Fahad Anwar, Brescia University
- TrafiQ. a campaign to make people use more brain and heart in traffic. Uggla Kerrou, Uppsala University

Moderator: Luana Bidasca, POLIS

LINK AND FUNCTION: INTERCONNECTION AND COOPERATION IN METROPOLITAN AND FUNCTIONAL URBAN AREAS (3)

Location: LOKE

- Connecting Europe's urban nodes with TEN-T. Evidence of Vital Nodes. Raymond Linssen, Rijkswaterstaat
- A major change with the new railway – Norrbotnia-banan. Elisabeth Sinclair Norrbotniabanan
- Aiming for fossil free transportation through strategic regional and local cooperation. Johan Edqvist, Länsstyrelsen Västerbotten
- Planning for Low-carbon mobility for functional urban areas. Sarah Frimmel, Leipziger Verkehrsbetriebe & Wolfgang Backhaus, Rupprecht Consult

Moderator: Octavia Stepan, Innovation and Networks Executive Agency (INEA)

TAKE-UP & TRANSFER (4)

#MIXANDMOVE! MULTI-MODALITY AND EURO-PEANMOBILITYWEEK (4a: 16.30–17.30)

Location: BALDER

- Bolstering biking. Ida Lundström, City of Umeå
- A week-long programme that aims to redefine public space. Christoph Helf, City of Munich
- Experimenting with multi-modal sump solutions. Gianna Tzovara, Igoumenitsa
- Advancing road safety, social inclusion & 'Edward'. Jelena Nikolic, City of Krusevac
- MOBILITYACTIONS Last-mile goods deliveries via U-Space in Reykjavik. Bjarki Gardarsson, AHA

Moderator: Jelena Nikolic, EuropeanMobilityWeek Secretariat (REC)

BIKE SHARING SYS-TEMS – POSSIBILITIES OF NEW APPROACHES (4b: 17.30–18.00)

Location: MIMER

- How a bike sharing system can Transform a city through gamification, incl. lessons learnt from CIVITAS ECCENTRIC. Stella Aaltonen, City of Turku

19.15 Cocktail reception at P5 at Väven,

the Culture house in Umeå, with short welcoming addresses by Margareta Rönngren, Deputy Mayor, City of Umeå and Magdalena Andersson, Governor, County of Västerbotten. Natalie Carrion and her band will provide entertainment from 20.30 onwards.

DAY 2 (THURSDAY 20 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

09.30–12.00 **CIVITAS POLITICIANS' FORUM: CITIZENS' INVOLVEMENT, URBAN MOBILITY AND POLITICS (BY INVITATION ONLY)**

09.30–11.00 **Parallel sessions (Folkets Hus)**

SUMP INNOVATIONS FOR MORE LIVEABILITY (5)

Location: GRIM

- Innovative parking management. Mladen Ivanov & Garo Kaprelyan, City of Varna
- Liveable public spaces. Tünde Hajnal, BKK Centre for Budapest Transport
- Incentive measures for freight logistics management. Giuseppe Estivo, City of Turin
- Car sharing as alternative to car ownership. Michael Glotz-Richter, City of Bremen

Moderator: Lasse Brand, Rupprecht Consult

CO-CREATION APPROACHES IN THE NEIGHBOURHOOD MOBILITY CONTEXT (6)

Location: BALDER

- Co-creating ways through People Oriented Transport and Mobility (POTM). Julie Jo Nygaard & Isabel Froes, Copenhagen Business School
- Metamorphosis: Co-creation of child-friendly neighbourhoods. Susanne Wrighton & Karl Reiter, FGM-AMOR
- MUV: Co-creating a Game. Salvatore Di Dio, MUV Project Coordinator, WePush, palermo
- SUNRISE: Co-creating communities. Hana Peters, Rupprecht Consult
- Co-creation of a liveable city – the experience of Budapest from strategy to practice. László Sándor Kerényi, BKK Centre for Budapest Transport
- Expertise development as a cornerstone for empowering citizens' movements in the co-creation processes: The Antwerp case. Dirk Lauwers, University of Gent

Moderator: Hana Peters, Rupprecht Consult

PARKING STRATEGIES AND SOLUTIONS: EFFICIENT MANAGEMENT OF PARKING RESOURCES (7)

Location: TONSALEN

- Changing people's everyday travel – conflicting goals, drivers and consequences. Annika Nordlund, Umeå University
- How public parking schemes can help finance sustainable modes of transportation. Luiz Fernando Hagemann, the b faktor ltd
- Parking is more than parking! The effects of Umeå's parking strategy. Linda Calmarsson, Umeå Parkerings AB

Moderator: Patrick Auwerx, Mobiel21

TAKE-UP & TRANSFER (8)

ISAAC AND POLIS ROAD SAFETY WORKING GROUP – HOW EFFECTIVE ARE WALKING AND CYCLING MEASURES?

(8a: 09.30–10.30)

Location: MIMER

- Demonstration of the ISAAC tool using a city example. Tim De Ceunynck, VIAS institute
- How effective are bike streets? Gert Jan Wijlhuizen, SWOV
- How effective are pedestrian crossings? Tim De Ceunynck, VIAS institute
- Followed by speed dating: conversation in small groups about the ISAAC tool and the effectiveness of walking and cycling measures

Moderator: Dagmar Koehler, Polis)

BUSINESS MODELS AND LESSONS LEARNT FROM THE GROWSMARTER PROJECT (8b: 10.30–11.00)

Location: EMBLA

Moderator: Paul Fenton, City of Stockholm

Coffee break

Parallel sessions (Folkets Hus)

DAY 2 (THURSDAY 20 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

11.30–13.00

REPLICATION FROM SMARTER CITIES: LEARN FROM THE BEST (9)

Location: STUDION

KEYNOTE

- Large scale deployment of New Mobility Services enabled by Maas & CCAM in Smart city context with user centric design concepts. Tamara Goldsteen, City of Helmond

ROUNDTABLES:

- The RUGGEDISED Smart City Lighthouse project. Carina Aschan, Umeå
- Smart and New mobility solutions from the GrowSmarter project: experiences from Barcelona, Cologne and Stockholm. Paul Fenton, City of Stockholm
- EIP action cluster projects on new mobility services: Edwin Mermans & Tamara Goldsteen, City of Helmond
- SCIS – The knowledge platform stimulating the creation and upscaling of smart cities. Tatiana Pasquel Garcia, Vito

Moderator: Peter Staelens, EUROCITIES & Edwin Mermans, Province of Noord-Brabant

REGULATING ACCESS TO CITIES: WHAT'S NEXT? (10)

Location: TONSALEN

- UVAR – status and outlook for the future; Commission perspective. Mans Lindberg, DG MOVE, European Commission
- "Madrid Central": the innovative UVAR that will change the shape of Madrid. Sergio Fernandez-Balaguer, Empresa Municipal de Transportes de Madrid
- Should Stockholm ban older cars from its inner city? Anne Bastian, City of Stockholm
- An advanced logistics credit management platform for improving the urban mobility of goods: the experience of Lucca Municipality in the LIFE ASPIRE project. Giorgio Ambrosino, MemEx Srl – Municipality of Lucca
- Do's and don'ts for access regulations – results and recommendations from the UVAR study. Silvia Gaggi, Isinnova

Moderator: Ivo Cre, Polis

TAKE-UP & TRANSFER (11)

MEET THE SWEDES, Pt.1

Location: BALDER

- Implementing projects to fulfil strategic objectives – experiences from Stockholm within CIVITAS ECCENTRIC & GrowSmarter. Maria-Angeliki Evliati, City of Stockholm [15']
- U-bike, electric cargo bikes to the people! John Bylund, Umeå [15']
- Electric cargo bikes and delivery rooms – sustainable logistics for multi-family housing. Maria-Angeliki Evliati, City of Stockholm [15']
- Social media activism to influence city bike policies, and how it all hangs together. Owen Laws, Swedish Society for Nature Conservation, Umeå chapter (Umeå Naturskyddsförening) [15']
- Sustainable Mobility Pecha Kucha (Feat. MOVEBYBiKE, UmeEcoRide, Oazer and Processum). Susanne W Lindström, North Sweden Cleantech [30']

Moderator: Albert Edman, UMEÅ

TAKE-UP & TRANSFER (12)

MONITORING MOBILITY PERFORMANCE IN EUROPEAN URBAN AREAS THROUGH SUSTAINABLE URBAN MOBILITY INDICATORS (12a: 11.30–12.30)

Location: MIMER

- SiMPlify, a global project for easy, safe and clean urban mobility systems for all. Irene Martinetti, World Business Council for Sustainable Development
- The Sustainable Urban Mobility Indicators (SUMI) project – helping European cities use WBCSD's SiMPlify tool. Marcel Braun, Rupprecht Consult
- Why SUMI? – The rationale for funding the project and the EC's plans regarding SUMI results and outcomes, Piotr Rapacz, European Commission

Moderator: Marcel Braun, Rupprecht Consult

COLLECTING BICYCLE TRAFFIC DATA WITH DIGITAL APPLICATIONS (12b: 12.30–13.00)

Location: EMBLA

- Bike Citizens Analytics. Adi Hirzer, Bike Citizens Mobile Solutions
- Ping if you care! Fred Dotter, Mobiel21

Moderator: Fred Dotter, Mobiel 21

Lunch

DAY 2 (THURSDAY 20 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

14.30–16.00 Parallel sessions (Folkets Hus)

ZERO-EMISSION FREIGHT DISTRIBUTION AND SERVICE TRIPS (13)

Location: PETERSON-BERGER

- NOVELOG Sustainable Urban Logistics Plans Guidelines & Tools are ready for use! Georgia Ayfantopoulou, CERTH
- Freight in a growing Umeå. Lisa Persson & Lina Samuelsson, Umeå
- Volvo vision and strategy for urban freight: The future of cities is electric! Anders Berger, Volvo Group & Magnus Lindén, SWECO Eneryguide.
- BuyZET: pathways to zero-emission delivery for selected procurement areas. Giacomo Lozzi, POLIS

Moderator: Mans Lindberg, DG MOVE, European Commission

CONNECTED AND AUTOMATED MOBILITY IN CIVITAS CITIES (14)

Location: GRIM

- Urbanism Next: Impacts of Emerging Technology on Cities. Nico Larco, Urbanism Next Center, University of Oregon
- The CoEXist project's automation-ready frame-work. Bernard Gyergyay, Rupprecht Consult
- How to become an 'Automation-aware' city? Lessons learned from the City of Gothenburg. Mikael Ivar, City of Gothenburg and Member of Swedish Association of Local Authorities and Regions
- The MAVEN project and the ISA Initiative. Tamara Goldsteen, City of Helmond
- European and North-American citizens' debate on driverless mobility. Tifenn Durand-Fleury, Missions Publiques, France

Moderator: Bernard Gyergyay, Rupprecht Consult

TAKE-UP & TRANSFER (15)

MEET THE SWEDES, Pt.2: HACKATON FOR INCREASING ALL YEAR-CYCLING

Location: LOKE

Moderator: Emil Törnsten, Svensk Cykling

TAKE-UP & TRANSFER (16)

ITS & TRAVEL MONITORING – EXAMPLES FROM THE CITY OF UMEÅ AND THE TRACE PROJECT (16a: 14.30–15.00)

Location: MIMER

- TRACE: ICT tracking services for walking and cycling. Jan Christiaens and Laurens Vander Kuylen, Mobiel21
- TRACE-pilots in Lisbon: Biklio (cycle tracking and reward app) and TaToo (urban planning results tracker). Joao Bernardino, TIS, Portugal

Moderator: Jan Christiaens, MOBIEL21

INNOVATIVE GOVERNANCE AND DATA MANAGEMENT AS THE CORE OF A SUSTAINABLE MULTI-MODAL POLICY (16b: 15.00–15.15)

Location: EMBLA

- Dirk Engels, TM Leuven

JOIN THE MUVEMENT: IMPROVE URBAN MOBILITY IN YOUR NEIGHBOURHOODS BY JOINING FORCES WITH THE CIVITAS MUV PROJECT (16c: 15.15–16.00)

Location: ASK

- Launch of the "Join the MUVement" Call from the MUV project. Salvatore Di Dio, MUV Consortium/ PUSH, It & Andrea Vesco, ISMB

Coffee break

DAY 2 (THURSDAY 20 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

16.30–18.00 Parallel sessions (Folkets Hus)

INCLUSIVE MOBILITY AND URBAN REGENERATION IN EUROPEAN CITIES AND REGIONS (17)

Location: BALDER

- New mobility approaches to fight transport poverty and improve accessibility in European cities and regions. Tünde Hajnal, BKK (INCLUSION) & Simone Bosetti, TRT (HiREACH).
- Assessing the health benefits of urban regeneration: a case of Tallinn city centre. Hans Orru, University of Tartu
- Men as a group make the largest environmental footprints. How can we men be part of the solution? Martin Hultman, MÄN, Men for Gender Equality
- The URBACT Gender Equal Cities initiative and best practices in mobility policies of Umeå. Linda Gustafsson, City of Umeå

Moderator: Lena Smidfelt Rosqvist, Trivector

NATIONAL POLICIES FOR SUMP (18)

Location: GRIM

- Political developments at EU level with SUMP relevance. Piotr Rapacz, DG MOVE
- SUMPs in German municipalities: Results of an Online Survey. Martina Hertel, German Institute of Urban Affairs
- Rethinking SUMP for adapting to the national reality: the Bulgarian case. Lucia Ilieva, CSDCS
- Do higher-level support frameworks make better SUMPs? Patrick Auwerx, Mobiel 21
- TRAST: advice for local transport. Mathias Wärnhjelm. Swedish Transport Administration
- Particularities and challenges of SUMP elaboration in Greece and Cyprus. Alexia Spyridonidou, CIVINET CY-EL

Moderator: Siegfried Rupprecht, Rupprecht Consult

TAKE-UP & TRANSFER (19)

INNOVATIVE MODELLING APPROACHES FOR THE FORMULATION OF SUSTAINABLE URBAN MOBILITY POLICIES – LESSONS FROM THE FLOW AND COEXIST PROJECTS*

Location: ODEN

- Transport modelling for policy development (and non-modellers). Bernard Gyergyay, Rupprecht Consult
- Introduction to the modelling tools used in CoEXist and FLOW. Nora Szabo, PTV Group
- Case study group exercise: Application of modelling tools in cities. Mikael Ivari, City of Gothenburg, and Pedro Homem de Gouveia, City of Lisbon

Moderator: Bernard Gyergyay, Rupprecht Consult

** Due to the format of this session, the number of participants is restricted to 30 people. Please arrive on time to secure your place!*

TAKE-UP & TRANSFER (20)

"SHARED-USE MOBILITY AGENCY:" FROM CONCEPT TO PRACTICE

Location: ASK

- The Flexible transport service, PT system and new mobility solutions. Prof. J. Nelson, University of Aberdeen & CIVITAS PORTIS
- Shared Use Mobility Agency: from concept to practice: Requirements and functions. G. Ambrosino, MemEx Srl & CIVITAS DESTINATIONS
- Business models in Green credit schemes and sharing mobility in Madeira. Claudio Mantero, Horários Do Funchal, Transportes Públicos Sa & Civitas Destinations

Moderator: Claudio Mantero, Horários do Funchal, Transportes Públicos SA & CIVITAS DESTINATIONS

19.15 CIVITAS Awards ceremony and gala dinner at the Folkets Hus

The ceremony will be led by Fredrik Lindegren, Head of Culture, City of Umeå. Following this, the Gala Dinner will be hosted by Margareta Rönngren, Vice Mayor, City of Umeå, and includes the handover of the CIVITAS PAC Chair. The evening also contains entertainment from the local band, WAO and Soul Train Umeå.

DAY 3 (FRIDAY 21 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

09.30–11.00 Parallel sessions (Folkets Hus)

HOW TO MAKE WALKING AND CYCLING MATTER (21)

Location: BALDER

- HANDSHAKE: Enabling the transferability of cycling innovations and assessment of its implications. Dr Francesca Pietroni, ISINNOVA
- Walking: encouraging people-powered transport. Fred Dotter, Mobiel 21 on behalf of EPOMM
- How can a municipality work in a structural fashion with cycle planning and reach results? Ida Lundström, City of Umeå
- Developing Guidance for Cycling Projects in the EU. Charlotte Anne Brannigan, Ricardo Energy & Environment

Moderator: Pedro Homem de Gouveia, EUROCITIES Safe and Active Modes Working Group Chair and Lisbon's Pedestrian Accessibility Plan coordinator

THE ROLL-OUT OF CHARGING INFRASTRUCTURE FOR E-MOBILITY IN CIVITAS CITIES: EXPERIENCES AND RECOMMENDATIONS (22)

Location: GRIM

- Demonstration of the e-City Gold Electric Bus in the Autonomous Region of Madeira. Fábio Pereira, AREAM (Agency for Energy and Environment of Autonomous Region of Madeira)
- Rolling out charging infrastructure: two approaches from Stockholm and Madrid. Maria-Angeliki Evliati, City of Stockholm & Sergio Fernández Balaguer, Empresa Municipal de Transportes de Madrid
- e-Mobility rollout from a Utilities perspective. Malin Janols, Umeå Energi
- Removing barriers to charging infrastructure implementation: cities' needs & policy recommendations. Wolfgang Backhaus, Rupprecht Consult & Michael Glotz-Richter, City of Bremen

Moderator: Yannick Bousse, UITP

TAKE-UP & TRANSFER (23)

EvaluatinG Sustainable mobility strategies in a CIVITAS spirit

Location: MIMER

- The spirit of the CIVITAS mobility measure evaluation CBA guidelines. Dirk Engels, TRANSPORT & MOBILITY LEUVEN (SATTELLITE)
- The comprehensive ECCENTRIC project-level evaluation approach. Helber Y. López Covaleda, Technical University München
- Sustainability assessment of the introduction of the e-bus in the city of Rethymno. Theocharis Tsoutsos, Technical University of Crete (DESTINATIONS)
- The participatory evaluation approach in the city of Turku. Annika Kunnasvirta, Turku University of Applied Science (ECCENTRIC)
- New technologies in measuring travel patterns in the city of Umeå. Ebba Sundstrom, Umeå municipality
- Open discussion on the feasibility and evolution of the evaluation approaches. Steve Wright, University of Aberdeen

Moderator: Dirk Engels, Transport & Mobility Leuven

Coffee break

DAY 3 (FRIDAY 21 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

11.30–13.00 Parallel sessions (Folkets Hus)

UNLOCKING THE PERIPHERY – CONCEPTS TO ACCESS AND CONNECT LESS DENSELY POPULATED AREAS (24)

Location: LOKE

- Shared economy beyond the hype: how to maximize the benefits of sharing. Anna Lindén, Fores
- The role of Mobility Management in Rural Areas. Fred Dotter, Mobiel 21, on behalf of EPOMM
- Incorporating cycling paths in the regional development agreement of the Ljubljana region. Tatjana Marn, Regional development agency of Ljubljana urban region

Moderator: Dagmar Koehler, Polis

BIG DATA: HOW TO OVERCOME THE CHALLENGES IN A SUSTAINABLE URBAN MOBILITY POLICY (25)

Location: BALDER

- Smart data, open data and data management challenges. Stijn Vernaillen, City of Antwerp
- The future transport industry is data driven. Jörgen Wahlund, Volvo Group
- Big Data Value in Mobility and Logistics. Akrivi Vivian Kiousi, Transforming Transport
- Beyond Travel Time Savings: Conceptualising and Modelling the Individual Value Proposition of Mobility. Giuseppe Lugano, MoTiV
- Combining recent technology applications with individual preferences and social innovation patterns to better understand car sharing trends. Marco Diana, STARS

Discussion:
- How to overcome the challenges in a sustainable urban mobility policy.

Moderator: Dirk Engels, Transport & Mobility Leuven

TAKE-UP & TRANSFER (26)

THE ELIPTIC E-BUS DECISION SUPPORT TOOL: A TOOL TO IDENTIFY THE BEST STRATEGY OPTIONS FOR ADVANCING THE ELECTRIFICATION OF PUBLIC TRANSPORT IN CITIES (26a: 11.30–12.30)

Location: MIMER

Presentation and Moderator: Wolfgang Backhaus, Rupprecht Consult

URBAN ENVIRONMENT AGREEMENTS IN SWEDEN (26b: 12.30–13.00)

Location: EMBLA

- Håkan Johansson, Trafikverket

INTERNATIONAL COOPERATION WITH CHINA (27)

Location: ASK

- Civitas Destinations' 2018 Cross-Fertilization China Cities. Julia Perez Cerezo, GV21, Madrid & Claudio Mantero, Horarios do Funchal
- EU-US cooperation for urban freight policy and research. Giacomo Lozzi, Polis

Moderator: Yannick Bousse, UITP

Lunch

DAY 3 (FRIDAY 21 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

14.00–15.30 **Closing plenary with:**

- Reflections on shared and inclusive mobility by Umeå University's third-year bachelor students and Hans Adolfsson, Vice Chancellor, Umeå University
- Forthcoming perspectives: Matthew Baldwin, Deputy Director-General for Mobility and Transport
- Inclusive mobility requires integrated data. David Zipper, Resident Fellow at the German Marshall Fund

Closing statements:

- Report back on the CIVITAS Politicians' Forum. Chair, CIVITAS PAC
- A future-proof CIVITAS: Renewing the CIVITAS Declaration. What are your views?
- Announcement of the next CIVITAS Forum host city. Chair, CIVITAS PAC
- Welcome address by the next CIVITAS Forum host city
- The last word. Margareta Rönngren, Vice Mayor, City of Umeå

Chair: Karen Vancluysen, Secretary General, POLIS & Project Coordinator, CIVITAS SATELLITE

16.00–17.30 **Site visits[3] (abridged)**

A: Umeå University – smart university district

This site visit for 20 persons (by bike!) will demonstrate the achievements of Smart City: Umeå, which is co-financed by Horizon 2020. With a goal to reduce CO_2 emissions through reducing energy consumption and increasing the modal share of sustainable modes in Umeå's university district, the tour will highlight investment measures including a geothermal storage facility and an energy-optimised electric Bus Rapid Transit station.

Photo: Umeå kommun

B: Going electric – buses and cargo bikes

Climb aboard one of the world's most energy efficient, clean and quiet buses for public transport and visit Umeå's ultrafast charging station, which allows its buses to operate around the clock on clean energy produced in northern Sweden. Hosted by Mr. Fredrik Forsell, Umeå's Head of Public Transport, you and 54 other passengers will learn about e-buses and a little public transport history too. At our next stop, 'U-Bike,' we will demonstrate how the city centre's rental system for e-cargo bikes provide an excellent alternative to the car. Try our electric cargo bikes and check out our secure public bike parking,

Photo: Malin Grönborg

[3] The site visits on both days will depart from the Folkets Hus.

DAY 3 (FRIDAY 21 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

maintenance services, loading facilities, cargo bike parking and more – all features realised in conjunction with EUROPEANMOBILITYWEEK!

C: Safe and secure gender-sensitive infrastructure

What does a bus station, a park and a tunnel say about equality and gender issues? Visiting Umeå's gendered landscape by bus, we invite up to 55 participants to traverse a city that has worked to ensure gender equality for many years. Illustrating successful examples of transformation and city landmarks alongside outstanding issues and challenges, the tour will underline the importance of gender in creating inclusive cities and empowering citizens to be part of the planning process in which EUROPEANMOBILITYWEEK has provided us a platform too.

Photo: Fredrik Larsson

D: Vasaplan – Umeå's new multi-modal hub

In the heart of Umeå lies Vasaplan, northern Sweden's busiest bus terminal. Between 2017 and 2018, the municipality rebuilt it in order to give its citizens better access to public transport, whilst creating a more pleasant meeting space. Modernised to cope with both current and future demands and realised as a EUROPEANMOBILITYWEEK permanent measure, during this walking tour for cca. 20 persons you will see and learn how Umeå engaged with its citizens through art to identify Vasaplan's investment priorities. And in the spirit of multi-modality, just 100 meters away, lies our super cycle highway to Umeå University, a real transformation from bygone days of nothing but car traffic!

Photo: WSP, Wingårdh arkitekter och Trivector.

E: Northern Sweden as a bio-fuel region (only on Wednesday)

Some 97 percent of the productive land in northern Sweden is covered by forest. What's more, our stock has doubled over the last 100 years, in order to supply wood, paper and bioenergy – including biofuels – to society. Be one of 60 site-visitors who head deep into the forest by HVO (bio-diesel)-fuelled bus to see for yourself our enterprise and vision, meet representatives of forestry companies and biofuel producers. Oh, and lunch picnic as well!

Photo: BioFuel Region

DAY 3 (FRIDAY 21 SEPTEMBER)

Folkets Hus, Skolgatan 59, Umeå

21.00 **Informal gathering at Rex, a 5' walk from Folkets Hus**

PLEASE NOTE:

Umeå's Green Caravan will host a continuous 'side session' throughout the conference with its own separate programme. Situated outside the conference venue at the entrance area, it will function as a meeting place between the locals and CIVITAS Forum participants!

More information at: greenumea.se/greencaravan

Eco visionaries at Bildmuseet – Umeå's famous museum for international contemporary art offers two guided tours.

More information at: bildmuseet.umu.se/en/exhibition/eco-visionaries/31564

CIVITAS Awards 2018

CIVITAS Awards

The CIVITAS Awards highlight some of the most ambitious, innovative, and successful sustainable urban mobility measures being undertaken across Europe.

This year, applications were received from Vinnytsia (Ukraine), Santa Marta de Tormes, Valencia and Puente Genil (Spain), Ghent (Belgium), Aachen (Germany), Reggio Emilia (Italy), Izmir (Turkey), Szeged (Hungary), Banja Luka (Bosnia and Herzegovina), Cascais (Portugal), Tirana (Albania), and Olztyn (Poland).

There are four award categories:

- The **"Bold Measure"** Award for a daring and innovative approach that has yet to be widely implemented and positions the city as a pioneer in its respective thematic area;
- The **"Take-Up"** Award for cities that have successfully transferred their knowledge and sustainable urban mobility measure(s) to another town/city;

- The **"CIVITAS Legacy"** Award for a city that has successfully translated their inspiring and committed involvement in CIVITAS into long-term implementation of innovative measures with a high impact;
- The **"Transformations"** Award for significant transformation and progress towards a liveable and smarter city through an integrated set of mobility measures.

The winners and runners-up will be revealed during an exciting ceremony taking place in Idun on Thursday 20 September from 19.15.

WAO

Folkmusic from Torne valley and Finland. A constellation consisting of different musicians, all inspired by and wants to play music by Vilho Ollikainen, poet and singer from Ullatti. For the band members, Vilho is a great source of inspiration and expression. WAO wants to help more people experience Vilho and the great treasure he has left behind. Through the music he lives on.

Natalie Carrion

Natalie is a Swedish Sami singer-songwriter that started her carrier as a street performer but now has, without the help of a record company, produced her own album. She has made the album "A Song of Life" together with the guitarist Jonas Strandgård and it is a musical autobiography of Natalie's life that addresses difficult subjects such as severe anxiety, suicidal thoughts and oppression of Sami people.

Exhibitors

North Bothina Line
A new link between cities Umeå and Luleå, costal railway "North Bothnia Line", will provide the largest structural changes in northern Sweden in more than a hundred years. It will reduce transporvt costs by up to 30%, halves travel times and reduce the CO2 emissions by around 80 000 tons/year. The railway will be constructed for both freight and passenger traffic and will also be the last link in the Bothnian Corridor.

Sustainable Urban Mobility Indicators (SUMI)
A joint exhibition stand of the World Business Council for Sustainable Development (WBCSD) and the consortium of the Sustainable Urban Mobility Indicators (SUMI) project presents and explains WBCSD's Sustainable Urban Mobility Indicators tool for the cities. The exhibition stand will complement the Take-up & transfer conference session "Monitoring mobility performance in European urban areas through sustainable urban mobility indicators"

Transforming Transport
This project demonstrates, in a realistic, measurable, and replicable way the transformations that Big Data is bringing to the transport and logistics sector. Structured into 13 different pilots, which cover areas of major importance for Europe, TransformingTransport validates the technical and economic viability of Big Data to reshape transport processes and services on the daily activities of airports, rail, roads, and ports.

HiReach, INCLUSION, MoTiV and STARS
This joint exhibition stand comes from four "sister" Horizon 2020 projects dealing with mobility, social inclusion, accessibility and social innovation issues. HiReach aims to eliminate transport poverty by triggering new mobility solutions for different vulnerable user groups. INCLUSION addresses the challenges of accessibility of public transport in a variety of transport environments across Europe, including deprived urban neighbourhoods, remote rural areas and particularly vulnerable population segments. MoTiV project aims advancing research on Value of Travel Time (VTT) by introducing and validating a conceptual framework for the estimation of VTT through a European-wide data collection producing scientific and policy outcomes, as well as potential business developments. STARS aims to explore and boost the diffusion of car sharing in Europe. Project will assess the impacts on other transport modes (private car, bike, walk, taxi, public transport…) and the car industry, and impacts in terms of congestion, greenhouse gases, accessibility and social cohesion will be quantified.

EU eBus projects
A joint exhibition of the projects ELIPTIC, ASSURED, ZeEUS and Trolley 2.0 presents and explains ELIPTIC's web-based option generator tool, which categorizes electric bus use cases into different city/urban contexts and operational profiles. The exhibition stand will complement the Take-up & transfer session "The ELIPTIC e –bus decision support tool: A tool to identify the best strategy options for advancing the electrification of public transport in cities!"

LOW-CARB
LOW-CARB encourages cooperation on low-carbon strategies in functional urban areas to lower CO2 emissions by building capacity for low-carbon mobility planning, undertaking pilot actions and developing sustainable regional mobility plans, action plans, tools and strategies.

Region Västerbotten
Region Västerbotten, together with Länstrafiken i Västerbotten AB, will present various projects that are connected to mobility, tourism, transport of small scale goods in the countryside and urban area and example of autonomus minibuses that combine transport from door to bus-stop and work as shelter during the waiting time as well. A virtual bus-stations (filmed in 360 degrees) will be shown, with clickable information in html for all passengers, including passengers with disabilities.

Cycling Embassy of Denmark
The members of the Cycling Embassy of Denmark possess the latest knowledge in all areas related to cycling, planning bicycle and people-friendly cities, creating synergies between cycling and public transport, developing successful campaigns and municipal policies to motivate people of all age groups to cycle, and much more. Conference participants will get a chance to try Virtual Reality Bike Tour through Copenhagen and get the experience of cycling in one of the best and safest bicycle cities in the world.

BioFuel Region
BioFuel Region will present various projects that support the process of achieving the following goals: creating low-carbon vehicle fleets and developing the bioeconomy.

Fält Communications
Fält Communications provides a platform for bus operators and PTAs to create an ecosystem of digital services for increased efficiency and enhanced passenger experience, that will make public transport more attractive and a more efficient way of transport. Solutions including eco-driving and fuel optimisation to lower emissions, real-time passenger information, wifi onboard and increased security for driver and passengers, plus many more applications for connected vehicles. Further, smart city solutions such as remote traffic light control, real-time traffic information and increased safety at bus stops.

ISAAC
The ISAAC project developed an online tool which identifies the most suitable walking and cycling measures for your city, which can be tested on stand. The exhibition stand will complement the Take-up & transfer conference session "ISAAC and POLIS road safety working group – How effective are walking and cycling measures". A live demonstration of a sample city will be given at the session, which also discusses how effective measures such as bike streets or pedestrian crossings are.

Sharing Cities Sweden
Sharing Cities Sweden will develop world-leading test-beds for the sharing economy in Stockholm, Gothenburg, Malmö and Umeå as well as a national node to significantly improve national and international cooperation and promote an exchange of experience. The opportunities and risks of the sharing economy will be tested and evaluated. Through test-beds, sharing services and digital solutions will be developed.

North Sweden Cleantech
North Sweden Cleantech is a regional innovation and export platform in northern Sweden – Västerbotten and Örnsköldsvik – that supports business development of companies in the cleantech area and drives cleaner growth and reduction of climate change.

CIVITAS ECCENTRIC
The exhibition stand will promote and showcase the Innovation Action project CIVITAS ECCENTRIC and its 50 measures. The variety of the measures is outstanding and most of them have already reached the implementation or demonstration phase. At the stand, visitors will be able to find out more information on the ECCENTRIC cities Madrid, Munich, Stockholm, Turku and Ruse.

EUROPEAN MOBILITY WEEK
Since 2002, the EUROPEANMOBILITYWEEK campaign has sought to influence mobility and urban transport issues, as well as improve public health and quality of life. The exhibition stand will complement the EMW conference session enabling questions, answers and discussion with representatives of the European secretariat as well as national EMW coordinators.

CIVITAS SUMPs-Up, PROSPERITY, and SUITS
The three CIVITAS SUMP projects, CIVITAS SUMPs-Up, PROSPERITY, and SUITS, bring together more than 80 actors working towards a common goal: to support cities across Europe to develop and implement Sustainable Urban Mobility Plans. The exhibition stand will present their most recent communication materials and publications and some city partners from the projects would also be present to offer their experiences on everything SUMP-related.

CIVINET CY-EL
CIVINET CY-EL is the newly established non-profit Network of local public authorities of Greece and Cyprus dedicated to promoting sustainable mobility, under the auspices of the CIVITAS Initiative. Established only in March, it enjoys the support of approximately 120 local authorities, including all frontrunner cities from both Greece and Cyprus that participate in CIVITAS Research, Living Labs and other EU funded projects.

PTV Group
PTV Group is a partner in the H2020 FLOW and CoEXist project. The stand will provide detailed information about the use of the modelling tools applied in both projects, the latest software developments, whereas all current mobility trends are incorporated and about travel demand modelling, as well as to offer technical support to municipalities dealing with SUMPs. Besides the classical offline software applications, PTV will provide insights into its new mobility software solutions, including Mobility-as-a-Service (MaaS), automated and connected driving, real-time traffic supervision, and safety.

REFORM
REFORM project supports the implementation and deployment of Sustainable Urban Mobility Plans (SUMPs) as an instrument for shifting mobility towards low-carbon patterns in regions of Central Macedonia (Greece), Emilia-Romagna (Italy), Parkstad Limburg (the Netherlands) & Greater Manchester (United-Kingdom). One of the distinctive aspects of REFORM lies in the central role given to the regions to encourage the adoption of SUMPs by local authorities, including small towns and medium-sized cities.

URBACT
The URBACT programme is the European Territorial Cooperation programme aiming to foster sustainable integrated urban development in cities across Europe. URBACT's mission is to enable cities to work together and develop integrated solutions to common urban challenges, by networking, learning from one another's experiences, and identifying good practices to improve urban policies.

ELTIS
Eltis facilitates the exchange of information, knowledge and experiences in the field of sustainable urban mobility in Europe. It is aimed at individuals working in transport as well as in related disciplines, including urban and regional development, health, energy and environmental sciences. Created more than 10 years ago, Eltis is now Europe's main observatory on urban mobility.

the PORTIS Innovation Process Exhibition
Within CIVITAS PORTIS, the cities of Aberdeen, Antwerp, Constanta, Klaipeda and Trieste have been challenged to embed an 'Innovation Process' within the planning and design of selected mobility measures. The core of the PORTIS approach is an Innovation Mapping Diagram that provides a light structure for the generation of ideas for improving a mobility measure. The exhibition will present: general background information about PORTIS; the dedicated the Innovation Process dissemination activities/materials; and information about support and take-up activities that PORTIS will provide for other cities.

CIVITAS
CIVITAS is a network of cities for cities dedicated to cleaner, better transport in Europe and beyond. Since it was launched by the European Commission in 2002, the CIVITAS Initiative has tested and implemented over 800 measures and urban transport solutions as part of demonstration projects in more than 80 Living Lab cities Europe-wide.

European Commission
The year 2018 is the "Year of Multimodality" – a year during which the Commission will raise the importance of multimodality for the EU transport system. The Commission is committed to reducing CO2 emissions, congestion and air pollution to improve the quality of life of European citizens and to reach the goals set by the Paris Agreement. At the same time, want to ensure that European transport is safe and industry remains competitive on the global market.

CIVITAS DESTINATIONS
In six European touristic sites DESTINATIONS develops a set of innovative actions in order to implement sustainable mobility measures and actions with the view to offering intelligent sustainable transport solutions for tourists and residents alike through innovation and cooperation with all major stakeholders. These solutions aim to improve urban accessibility, the cost effectiveness and integration of transport services and to reduce emissions and energy consumption.

Volvo
Volvo Buses is a world-leading bus manufacturer, with a strong focus on sustainable public transport. Volvo's electromobility product range includes hybrid buses, electric hybrids and fully electric buses. To date, Volvo has sold more than 4,000 electrified buses worldwide. Volvo Buses is part of Volvo Group.

Session descriptions

Session 1

EC SUPPORT FOR R&D AND THE DEPLOYMENT OF INNOVATIVE URBAN MOBILITY

› *Wednesday 19 September, 16.30–18.00*

This session will consist of two parts. The first will focus on financing, whilst the second will present forthcoming opportunities to support the deployment of innovative urban mobility solutions, including the European Innovation Partnership in Smart Cities and Communities (EIP SCC), the European Commission's Exploitation and Dissemination Booster, ELENA and the Partnership on Urban Mobility. The second part of the session will also introduce the latest in EC policy and related policy initiatives.

Session 2

URBAN ROAD SAFETY MANAGEMENT: A SHARED RESPONSIBILITY

› *Wednesday 19 September, 16.30–18.00*

On European Day Without A Road Death ("EDWARD"), the CIVITAS Forum will take stock of current successful practices and forward-thinking solutions aiming to prevent the approximately 25,000 road fatalities that occur annually. An update of vehicle safety regulations has been proposed by the EU, whilst its road safety strategy for the next ten years is also underway. How to manage road safety in urban areas will be at the core of this session, with presentations from cities, manufactures and campaigners alike. Join us to see whether the answer lies with vehicle technologies such as Intelligent Speed Assistance, or with greater protection for vulnerable road users through infrastructure investments.

Session 3

LINK AND FUNCTION: INTERCONNECTION AND COOPERATION IN METROPOLITAN AND FUNCTIONAL URBAN AREAS

› *Wednesday 19 September, 16.30–18.00*

In an interconnected Europe, functional urban areas are becoming increasingly important transport hubs. In a networked society, functional urban areas are the focal points of international, regional and urban transport. For low-carbon and seamless mobility, integration of all three levels of transport is key. However, planning mobility in these functional urban areas is highly complex and requires the involvement of more stakeholders than in a typical SUMP process. This session aims to discuss planning approaches for passenger and freight transport in functional urban areas, which are defined as an urban core and its commuting zone.

Session 4a

#MIXANDMOVE! MULTIMODALITY AND EUROPEANMOBILITYWEEK

› *Wednesday 19 September, 16.30–17.30*

This year's EUROPEANMOBILITYWEEK tagline is #MixAndMove. Showcasing the best in multimodality, towns, cities and the private sector will use the session to share their initiatives to improve the accessibility of public transport, encourage the use of active modes and the adoption of clean vehicles (including drones), promote shared mobility, and collaborate with schools, NGOs, and traffic safety bodies to realise social inclusion, SUMPs and the aims European Day Without A Road Death ("EDWARD")!

Session 4b **BIKE SHARING SYSTEMS – POSSIBILITIES OF NEW APPROACHES**

› *Wednesday 19 September, 17.30–18.00*

Held in a roundtable format, this half-hour exchange will present views on how bike-sharing can improve cities. Examples will include experiences with gamification from the City of Turku and lessons learnt from the CIVITAS ECCENTRIC project.

Session 5 **SUMP INNOVATIONS FOR MORE LIVEABILITY**

› *Thursday 20 September, 09.30–11.00*

Liveable cities are a key aim of sustainable urban mobility and a high-level objective of most SUMPs. Both when planning for new forms of mobility and traditional modes, their contribution to liveability should be assessed and taken into account. Yet to make the concept impactful in practice, cities need tried-and-tested measures that increase quality of life as well as contributing to other high-level goals. This session will present innovative examples on how to plan for more liveability as part of an integrated mobility strategy. It showcases both technical measures and policies that have been tried-and-tested by local governments within the CIVITAS SUMP projects: SUMPs-Up, PROSPERITY, SUITS, and beyond. The focus of the city presentations and the following Q&A and interactive discussion is on the planning process. Common lessons learned and success factors will be identified, and guidance given as to what other cities should be aware of when implementing similar approaches.

Session 6 **CO-CREATION APPROACHES IN THE NEIGHBOURHOOD MOBILITY CONTEXT**

› *Thursday 20 September, 09.30–11.00*

The principle of co-creation has been successfully applied to myriad fields as an inclusive, participatory means for involving citizens, stakeholders, and users in identifying problems, developing solutions, and implementing and evaluating those solutions together. A group of CIVITAS projects that began in 2017 are incorporating co-creation in ways that range from being the central approach to a helpful addition to other processes. In this session, these projects and others will line up as champions of the co-creation approach and share their application of co-creation principles. They will also discuss the new dimensions it brings to addressing urban mobility challenges, as well as the unique challenges that sometimes arise from the co-creation process itself. Examples of co-creation in action will illustrate how each project/city uses co-creation to trigger new types of initiatives and solutions. The session's audience will play an active role in the discussion that follows.

Session 7 **PARKING STRATEGIES AND SOLUTIONS: EFFICIENT MANAGEMENT OF PARKING RESOURCES**

› *Thursday 20 September, 09.30–11.00*

Land access strategies, cities' demands that land be utilised more efficiently, and parking strategies for creating thriving and accessible city centres will be presented in this session. A discussion will follow on how parking policy can be adapted to make the best use of digitalisation, payments, and enforcement.

Session 8a **ISAAC AND POLIS ROAD SAFETY WORKING GROUP: HOW EFFECTIVE ARE WALKING AND CYCLING MEASURES??**

› *Thursday 20 September, 09.30–10.30*

The ISAAC tool identifies the most suitable walking and cycling measures for your city. Participants who bring a laptop or portable mobile device that connects to the internet can test the tool live during the session. This workshop will also look into research findings on the effectiveness of interventions and their impact on road safety, a key concern for walking and cycling in our cities.

Session descriptions

Session 8b

BUSINESS MODELS AND LESSONS LEARNT FROM THE GROWSMARTER PROJECT

› *Thursday 20 September, 10.30–11.00*

In the context of the GrowSmarter project, the cities of Barcelona, Cologne and Stockholm have implemented 18 measures to reduce emissions, increase energy efficiency, and encourage modal shift. In this workshop, GrowSmarter will share experiences and discuss barriers and opportunities. The workshop will focus on the business models, lessons learnt from, and replication potential of the measures. Topics to be discussed include the influence of administrative processes, laws and regulations on implementation and replication, the use of public and private space, data gathering, and the use and ownership of data and user behaviour.

Session 9

REPLICATION FROM SMARTER CITIES: LEARN FROM THE BEST

› *Thursday 20 September, 11.30–13.00*

Smart Cities & Communities projects support the development, deployment and replication of innovative mobility solutions at scale in key market segments. Within the urban context, both new mobility services and solutions (such as C-ITS, automated driving, Mobility as a Service, and shared mobility) and e-mobility can help create healthy, clean, spacious, liveable, accessible and competitive cities. If replicated on a larger scale, these services can have a real positive impact on citizens' quality of life. This thematic session will focus on presenting smart mobility solutions, success stories, and how to replicate them.

Session 10

REGULATING ACCESS TO CITIES: WHAT'S NEXT?

› *Thursday 20 September, 11.30–13.00*

With cities and regions in virtually all EU Member States struggling to meet legal requirements for ambient air quality access restrictions, diesel bans have become one of the many measures that municipalities are forced to employ to reduce air and noise pollution. These in turn help to improve safety and public space. In this session, innovative technological and planning solutions will be shared with respect to better coordinating approaches for managing congestion, reducing car-use, and sharing information.

Session 11

MEET THE SWEDES, Pt.1

› *Thursday 20 September, 11.30–12.30*

Two special side sessions will highlight new and innovative solutions coming from Sweden. This first session will highlight examples of project implementation, social media activism, electric cargo bikes for passenger and freight transport, and cleantech start-ups.

Session 12a **MONITORING MOBILITY PERFORMANCE IN EUROPEAN URBAN AREAS THROUGH SUSTAINABLE URBAN MOBILITY INDICATORS**

› *Thursday 20 September, 11.30–13.00*

For Europe to reach its policy goals, cities need to track their impact through monitoring tools and appropriate common indicator sets. This will allow policy makers in urban areas and at the national and European levels to track progress and to develop more effective and fact-based interventions. The Sustainable Urban Mobility Indicators (SUMI) project helps urban areas using the indicator online tool (http://www.wbcsdsmp.org) developed by the World Business Council for Sustainable Development (WBCSD). The online tool comprises a set of 19 sustainable urban mobility indicators that should enable cities to perform a standardised evaluation of their mobility system and measure the improvements resulting from implementing new mobility practices or policies. The two presentations will be followed by a discussion with project partners and cities using WBCSD's tool and its indicators within the SUMI project.

Session 12b **COLLECTING BICYCLE TRAFFIC DATA WITH DIGITAL APPLICATIONS**

› *Thursday 20 September, 12.30–13.00*

This presentation will set out how cycling data can be analysed in order to support improved cycling policy in cities. The Bike Citizens app is the first cycling app that has been specifically designed to meet the needs of cyclists in urban areas. It also supports cycling campaigns, such as ‚PING if you care!'. This campaign gives cyclists the opportunity to communicate and engage directly with cities and municipalities – by pushing the PING button in an app they can point out issues right away. This crowdsourcing citizen engagement campaign supports cities to make cycling safer, more comfortable and an even greater experience! At the end of the campaign, the Bike Citizens Analytics Tool allows the analysis, simulation and evaluation of the received cycling data and makes it available to municipalities (among other parties) so it can used to enhance cycling policy in the long term.

Session 13 **ZERO-EMISSION FREIGHT DISTRIBUTION AND SERVICE TRIPS**

› *Thursday 20 September, 14.30–16.00*

The 2011 Transport White Paper of the European Commission identifies the objective to achieve essentially CO_2-free city logistics in major urban centres by 2030. Since today's choices by local authorities and operators have an impact on the 2030 scenario, it is essential to act now in order to meet such an ambitious objective. The session aims to provide an overview of projects and initiatives currently working in this direction. Whilst sustainable urban logistics plans and strategies, fleet electrification, and smart procurement are different, they are linked by the fact that they seek to solve the same challenges and foster efficient and clean urban freight logistics.

Session descriptions

Session 14

CONNECTED AND AUTOMATED MOBILITY IN CIVITAS CITIES

› *Thursday 20 September, 14.30–16.00*

Connected & automated vehicle (CAV) manufacturers are planning for the market introduction of vehicles with more and more connected and automated functionalities. Yet although steps towards the deployment of CAVs are progressing fast, the success of the transition will largely be determined by the acceptance of stakeholders that have so far mostly not been part of the debate: cities and others with a stake in urban road infrastructure and urban transport policy. Consequently, most European local authorities have a lot of uncertainties about the introduction of this "new mode" on their road network. Many cities question whether CAVs will fulfil the promises of reducing road space demand and improving traffic efficiency and safety. Without good preparation and planning, CAVs may simply amplify the urban mobility problems that cities are currently already facing. This session aims to continue a critical discussion within CIVITAS about the benefits and potential issues related to CAVs in cities and what cities could and should do in the next five years to prepare for the introduction of CAVs.

Session 15

MEET THE SWEDES, Pt.2: WINTER CYCLING HACKATHON

› *Thursday 20 September, 14.30–16.00*

This is the second of two special side sessions dedicated to new and innovative solutions from Sweden. During this mini-hackathon, participants will develop thoughts on how winter cycling can be made more attractive. Benefits of cycling are short-lived – a common problem in many countries during the winter months. Elements such as cold temperatures, snow, ice and darkness require different responses.

Session 16a

ITS & TRAVEL MONITORING – EXAMPLES FROM THE CITY OF UMEÅ AND THE TRACE PROJECT

› *Thursday 20 September, 14.30–15.00*

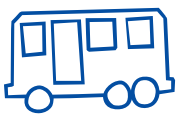
This half-hour session will familiarise you with journey tracking apps and the experiences of the City of Umeå and the TRACE project. Umeå will share its experiences with innovative data gathering techniques. The TRACE project will discuss the potential of tracking technology to optimise walking and cycling, and will touch upon issues such as data privacy, cost, interoperability, financial incentives, infrastructure planning and service concepts..

Session 16b

CIVITAS PORTIS: INNOVATIVE GOVERNANCE AND DATA MANAGEMENT AS THE CORE OF A SUSTAINABLE MULTI-MODAL POLICY

› *Thursday 20 September, 15.00–15.15*

This presentation will explain how cities can use innovative governance and data management to elaborate successful sustainable and multi-modal policies. This approach will be illustrated by a range of PORTIS measures and the analysis of their transferability. Participants will also be informed about PORTIS support activities for policy-makers.



Session 16c **JOIN THE MUVEMENT: IMPROVE URBAN MOBILITY IN YOUR NEIGHBOURHOODS BY JOINING FORCES WITH THE CIVITAS MUV PROJECT**

› *Thursday 20 September, 15.15–16.00*

During this session, an open call for associated cities will be launched. Six new neighbourhoods around Europe will be selected to test the MUV game and its components. These include mobile app that records and rewards users for taking 'virtuous routes', monitoring stations taking environmental measurements, and a web dashboard designed for local public and private organizations to improve marketing campaigns and for decision makers to design more effective urban policies. Six cities around Europe are already playing, won't you join them?

Session 17 **INCLUSIVE MOBILITY AND URBAN REGENERATION IN EUROPEAN CITIES AND REGIONS**

› *Thursday 20 September, 16.30–18.00*

How can urban transport planning be inclusive and what is the social dimension of transport – including the needs, attitudes and behaviour of various users? This session will discuss what it is essential to create transport systems that are accessible and efficient for all. To achieve this goal, many cities across Europe and beyond have implemented solutions such as flexible bus routes, demand-responsive transport, minibus pooling, and car- and ride-sharing schemes. These could help to fulfil the needs of numerous vulnerable groups, including people who are unemployed or have a low income. But how can solutions be replicated whilst still ensuring their economic viability? Beyond the hype, business models for new mobility services are needed to demonstrate how technological and social innovation can improve the inclusiveness of transport systems in Europe.

Session 18 **NATIONAL POLICIES FOR SUMP**

› *Thursday 20 September, 16.30–18.00*

Sustainable urban mobility planning is a political and strategic planning process in a multi-level governance context. Urban mobility policies at the national, state or regional level can influence the take-up of and support for SUMPs substantially. The implementation of urban mobility measures in particular requires financial support from national funding. Besides that, national support systems have been established in several EU Member States to facilitate integrated planning at the local level. This session addresses the importance of national SUMP policies and their effects.

Session descriptions

Session 19a

INNOVATIVE MODELLING APPROACHES FOR THE FORMULATION OF SUSTAINABLE URBAN MOBILITY POLICIES – LESSONS FROM THE FLOW AND COEXIST PROJECTS

› *Thursday 20 September, 16.30–18.00*

The role of transport modelling is becoming more and more important as a decision support tool to help formulate, assess, and evaluate sustainable urban transport policies. However, most transport modelling is still focused on the car and many aspects such as walking and cycling and new innovative developments like connected and automated vehicles are not considered in most transport models. One reason why transport modelling is not used to its fullest potential is because many of those responsible for commissioning modelling activities or dealing with modelling results see modelling as a daunting area of responsibility. Generally, many transport professionals have misconceptions about the strategic role modelling can play in the policy development process and are not able to sense-check modelling outputs. This session targets those with limited experience in transport modelling who are seeking to gain a broader view as to how it can be used to devise transport policy. It also examines how modelling can encourage walking and cycling (based on results from the FLOW project), and inform policy for connected and automated vehicles (based on the results of the CoEXist project).

Session 20

SHARED-USE MOBILITY AGENCY: FROM CONCEPT TO PRACTICE

› *Thursday 20 September, 16.30–18.00*

The session will focus on the “Shared-Use Mobility Agency” (or SUMA), an innovative platform designed and realised as part of the local project “ELBA Sharing” on Elba island in Tuscany, Italy, as part of the CIVITAS DESTINATIONS project. SUMA’s aims to reduce traffic congestion during the summer season (and also during non-tourist seasons) by increasing the use of different “collective” transport services. The SUMA will offer integrated access to several “on-demand and shared” individual and collective services by co-ordinating the management of various actors and services through an ad-hoc organisational framework, technology platform, and soft measures. During the session, SUMA’s design (particularly vis-à-vis small- and medium-sized urban areas) and results will be presented. The related IT system will be outlined in terms of its B2C (access to information, travel planning, etc.), B2B (networking of operators), and B2A elements. Furthermore, the SUMA business model, the Agency’s initial achievements, and lessons learned in relation to its target audience (public authorities, mobility operators etc.) will be presented.

Session 21 **HOW TO MAKE WALKING AND CYCLING MATTER**

› *Friday 21 September, 09.30–11.00*

Investing in active modes can bring a very high return. For example, one Euro invested in a cycle highway generates between two and 14 Euros in health benefits. Walking, in particular, is the basis for initially accessing and transferring between modes of transport. Safe and secure infrastructure for 'active mobility' also increases the accessibility of public transport by covering the 'first and last mile' of the journey and increasing the catchment area of public transport stops. So why is there still a lack of active mobility? Is awareness raising too passive or is it insufficiently integrated with other mobility measures? Does infrastructure still fall short? And will European guidelines for walking and cycling infrastructure make a difference? This session will explore these crucial questions by presenting lessons learned from the HANDSHAKE project, Umeå's cycling planning, EU guidance for cycling projects, and more.

Session 22 **THE ROLL-OUT OF CHARGING INFRASTRUCTURE FOR E-MOBILITY IN CIVITAS CITIES: EXPERIENCES AND RECOMMENDATIONS**

› *Friday 21 September, 09.30–11.00*

Despite all the improvements to electric buses and cars entering the market, a lack of charging infrastructure still presents a barrier to the realization of electric mobility in cities and regions. Although electricity itself seems ubiquitous, its transmission and distribution for electric vehicles are not and charging infrastructure deployment still has to overcome barriers like high initial cost, fragmentation, and inconsistent standards, as well as administrative and legal constraints. The session will show best practices for the implementation of electric vehicles and planning of charging infrastructure and conclude with a discussion about cities' needs for deploying electric vehicle charging infrastructure and the policies needed to help pave the way for the electrification of mobility in cities and regions.

Session 23 **EVALUATION OF URBAN SUSTAINABLE MOBILITY STRATEGIES – BASIC IDEAS OF THE CIVITAS 2020 EVALUATION FRAMEWORK**

› *Friday 21 September, 09.30–11.00*

This session will set out the basic ideas of the CIVITAS 2020 evaluation framework and present a range of interesting methodological cases applied in European cities. The cases will address impact and process analysis, as well as a range of alternative and additional evaluation tools, such as the Life Cycle Assessment and sustainability assessment.

Session descriptions

Session 24

UNLOCKING THE PERIPHERY – CONCEPTS TO ACCESS AND CONNECT LESS DENSELY POPULATED AREAS.

› *Friday 21 September, 11.30–13.00*

With increasing urbanisation, the mobility challenges of peripheral and less densely populated regions seem less in the focus of policymakers. Low-density regions have some specific characteristics that can be considered very challenging when it comes to mobility, such as long distances, low public transport demand and high car dependency. They complicate reaching European Commission targets on efficient, cost-effective and environmentally friendly transport and mobility. Nevertheless, about half of the population worldwide lives in rural areas and 36 percent of the world's population will continue to live in rural areas by 2050. This requires solutions for sustainable transport in peripheral regions. This session will address the challenges of peripheral areas and suggest tailored solutions to reach sustainable mobility across Europe.

Session 25

BIG DATA: HOW TO OVERCOME THE CHALLENGES IN A SUSTAINABLE URBAN MOBILITY POLICY

› *Friday 21 September, 11.30–13.00*

When made publicly available, mobility, transport, logistics, and environmental data gathered via mobile apps and monitoring stations enables policymakers to enhance planning processes, to develop new services, and in turn make them more efficient and more user-oriented. The likely impacts of the above should be improved quality of life for residents in urban areas and a better understanding of and ability to meet consumer need. However, there are technological-, institutional-, legal-, business-, and policy-related challenges to encouraging towns' and cities' use of big data. What are they and how are they being overcome? This session will delve into these crucial questions.

Session 26a

THE ELIPTIC E-BUS DECISION SUPPORT TOOL: A TOOL TO IDENTIFY THE BEST STRATEGY OPTIONS FOR ADVANCING THE ELECTRIFICATION OF PUBLIC TRANSPORT IN CITIES

› *Friday 21 September, 11.30–12.30*

The ELIPTIC project focused on the use of existing electric public transport systems (including light rail, metro, tram and trolleybus) for the electrification of multimodal mobility approaches in the urban and sub-urban context. By integrating existing electric public transport infrastructure for multi-purpose use, it demonstrated that the further take-up of electric vehicles can be done in a cost-efficient way. In order to support the uptake and exploitation of results, the project has developed guidelines and tools for the facilitation of upgrade and regeneration of electric public transport systems across Europe. The web-based option generator is a tool that enables public transport operators to identify the best strategy options for their transition to a fully clean fleet by categorising ELIPTIC use cases and other related use cases into different city/urban contexts and operational profiles. The 'option generator' will become an "entry point" for interested public transport authorities and operators, as it checks their city parameters first (e.g. city size, (electric) fleet, infrastructure etc.) and then screens and matches validated use cases to the city's information and specifications. During the session, the online tool will be presented. This will be followed by a discussion on the practical application of the tool and its benefits for public transport authorities.

Session 26b **URBAN ENVIRONMENT AGREEMENTS IN SWEDEN**

› *Friday 21 September, 12.30–13.00*

Drawing on Norwegian initiative, in 2015 the Swedish government's Commission on Fossil-Free Road Traffic established a new financial support and incentive mechanism for municipalities to encourage sustainable city development – the 'Urban Environment Agreements.' For the period of 2015–2018, a budget of 200 million Euros was announced. According to the programme objectives, Urban Environment Agreements shall lead to a larger modal share for public transport and cycling. An example of a successfully concluded Urban Environment Agreement was Umeå's – this will be presented. In 2017, the government announced a continuation that will form part of the National Transport Plan. It has a planned budget of 100 million Euros per year throughout the planning period 2018–2029, giving it a total budget of 1.2 billion euros.

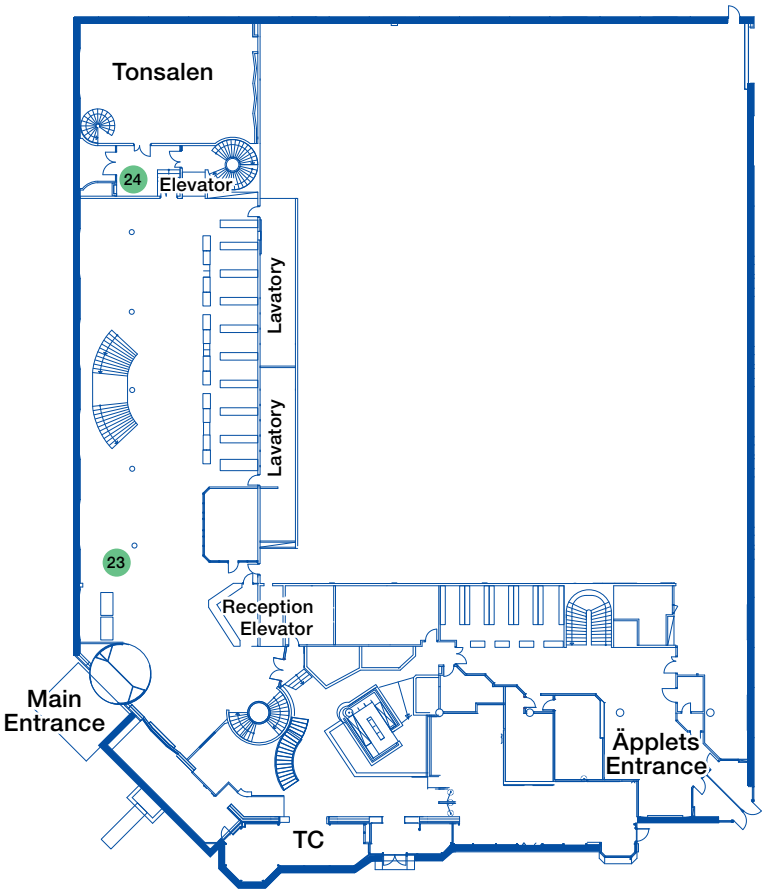
Session 27 **INTERNATIONAL COOPERATION WITH CHINA**

› *Friday 21 September, 11.30–13.00*

This session will focus on the international cooperation activities of CIVITAS projects. As two world leaders in the field of sustainable urban mobility, the EU and China have a wealth of ideas and skills to share with one another. Driven by this idea, CIVITAS DESTINATIONS visited China from 22–29 June for a week of learning and exchange. CIVITAS DESTINATIONS will share with participants what they have learnt and what will be applied from this visit in their cities.
The session will also feature areas of common interest between the EU and US in urban freight policy and research, while drawing on the experiences of four CIVITAS projects, NOVELOG, SUCCESS, U-TURN and BuyZET. A discussion will close the session about international cooperation in the field of sustainable urban mobility.

Umeå Folkets Hus

Entrance floor



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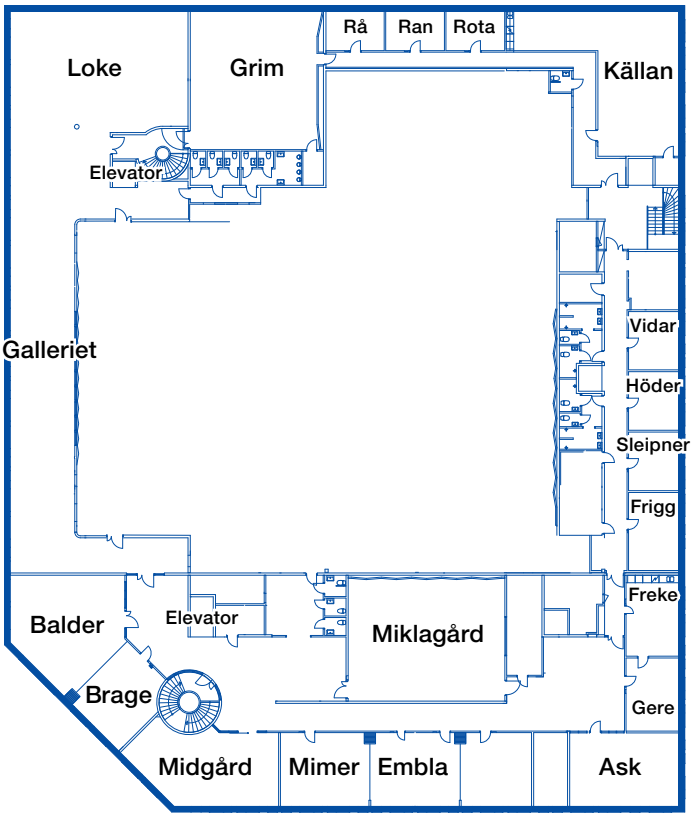
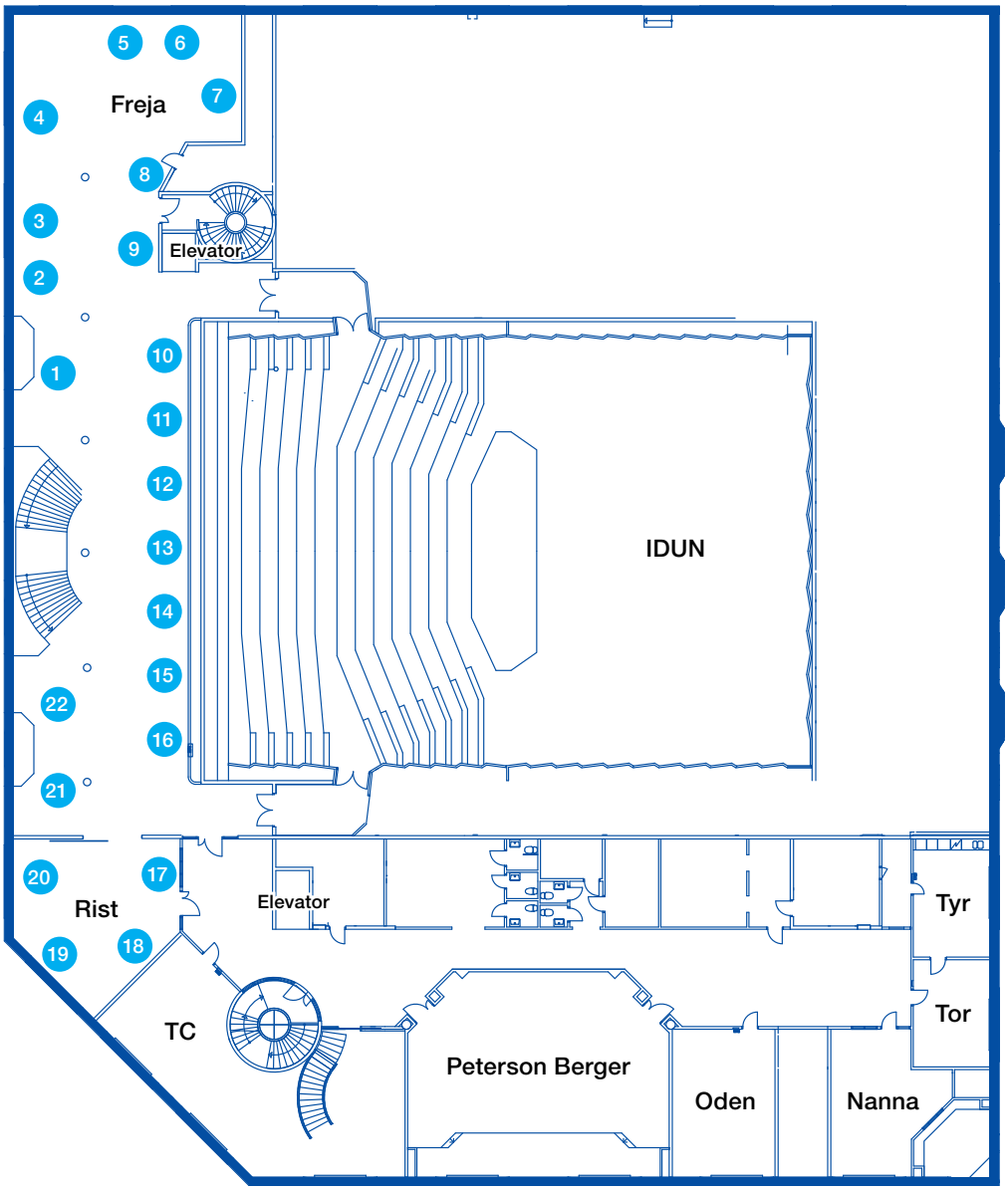


First floor



Exhibitors

1. North Bothnia Line
2. Sustainable Urban Mobility Indicators
3. Transforming Transport
4. H2020 four sister projects
5. EU eBus projects
6. LOW-CARB
7. Region Västerbotten
8. Cycling Embassy of Denmark
9. BioFuel Region exhibition
10. Fält Communications
11. ISAAC
12. Sharing Cities Sweden
13. North Sweden Cleantech
14. CIVITAS ECCENTRIC
15. EUROPEEAN MOBILITY WEEK
16. CIVITAS SUMPs-Up, PROSPERITY & SUITS
17. CIVINET CY-EL
18. PTV Group
19. REFORM
20. URBACT
21. ELTIS
22. the PORTIS Innovation Process Exhibition
23. CIVITAS, EC and CIVITAS DESTINATION
24. Volvo

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