2016 Polis Conference

1-2 December, Rotterdam, The Netherlands

Conference Programme

Innovation in Transport for Sustainable Cities and Regions

www.polisnetwork.eu/2016conference
The Polis Conference on Twitter: #polis16

City of Rotterdam

POLIS 2016 ANNUAL POLIS CONFERENCE
1-2 December 2016, Rotterdam
Innovation in Transport for Sustainable Cities and Regions

The annual event of the leading European network of cities and regions on transport innovation

		Side events:				
Wed 30/11	9.00-13.00	Polis Working Group meeting on Urban Freight (Polis members only)		VeloCittà 1st European Bike Sharing Conference		
	14.00-17.00	**Polis Annual General Assembly (AGA)** **Polis Political Group Site Visit, hosted by vice-mayor Pex Langenberg** Polis members only				
	19.00	**AGA and Political Group Dinner** (Polis members only)				
Thursday 1/12	8.30	Registration and Welcome Coffee				
	9.30	**Parallel Sessions I:**				
		1A. Smart Cities	1B. Safety data collection and benchmarking	1C. New developments in urban parking	1D. Visions	1E. CityLab (upon invitation)
	11.00	Refreshments (exhibition area)				
	11.30	**Opening Plenary Session:** **The air we breathe: How to tackle the air quality challenge?**				
	13.00	Lunch (exhibition area) + Meet the exhibitors				
		Polis Political Group lunch (upon invitation)				
	14.30	**Parallel Sessions II:**				
		2A. Integrated transport	2B. Talking cycling and walking	2C. Urban mobility in transition	2D. Assessment and decision support tools	2E. CityLab (upon invitation)
	16.00	Refreshments (exhibition area) + Info session: Get to know Polis and join				
	16.30-18.00	**Parallel Sessions III:**				
		3A. The role of data, apps and social media in transport	3B. Promoting active travel while enhancing road safety	3C. How to manage large-scale infrastructures	3D. Electric city logistics	
	19.30	**Conference Dinner & Thinking Cities Award**				
Friday 2/12	8.30	Welcome Coffee				
		Parallel Sessions IV:				
	9.00	4A. Innovation in traffic management and ITS	4B. Shared mobility services	4C. Public transport in the 21st Century	4D. Clean fuels and vehicles	4E. Long-term effects of new technologies and lifestyles on parking
	11.15	Refreshments (exhibition area)				
	11.45	**Closing Plenary Session:** **Automation in Cities: Opportunity or Threat? Hype or Holy Grail?**				
	13.15	Lunch (exhibition area)				
		Site Visits:				
	14.15-17.30	1. City cycling tour: SUMP and architecture	2. Where port and city meet: M4H, RDM and Heijplaat	3. Parking: Strategy and award winner	4. Automation: Imagine!	

↗ Environment and health ↗ Mobility and traffic efficiency ↗ Horizontal topics
↗ Road safety and security ↗ Social and economic challenges of transport

9.00 - 13.00 Side events

Two side events are organised on Wednesday 30 November, in conjunction with the 2016 Polis Conference, at the conference venue.

POLIS WORKING GROUP MEETING ON URBAN FREIGHT (POLIS MEMBERS ONLY)

Detailed information will be circulated separately to Polis members.

VELOCITTÀ: 1ST EUROPEAN BIKE SHARING CONFERENCE

VeloCittà welcomes an audience with a specific interest in bike sharing: city representatives as well as scholars, cycling experts and bike share operators from around Europe. The programme starts at 10:00 with an overview of lessons learnt and services offered by Velocittà and a welcome address of Rotterdam's Vice Mayor for Mobility, followed by experiences from VeloCittà cities and key note speeches by renowned experts from the bikesharing field. An "Eat & Learn" interactive working lunch for city representatives only will focus on tendering and contractual issues related to bike sharing and will close the conference. Non-city participants will be offered a non-moderated networking lunch. Throughout the afternoon and the following two days of the Polis conference, there will be continuous opportunities to have one-on-one private talks with exhibiting bike sharing operators and other bike share service providers.

More information: http://velo-citta.eu/bikesharingconference/

14.00-17.00 Polis Members only

POLIS ANNUAL GENERAL ASSEMBLY

POLIS POLITICAL GROUP SITE VISIT, HOSTED BY VICE-MAYOR PEX LANGENBERG

Detailed information has been circulated separately to Polis members.

19.00 AGA and Political Group Dinner (Polis members only)

Practical information has been circulated separately to Polis members.

8.30	Registration and Welcome Coffee

9.30 – 11.00

PARALLEL SESSIONS

1

1A. SMART CITIES | *VAN BEUNINGEN ROOM*

Chair: Henriette van Eijl, DG MOVE, European Commission

↗ **Cologne's smart mobility approach in the Growsmarter Smart Cities Lighthouse project**
Julia Egenolf, City of Cologne

↗ **Smart mobility solutions developed by the MoveUs project**
Sergio Fernández Balaguer, EMT Madrid

↗ **Copenhagen - Intelligent traffic solutions for a green, smart and carbon neutral city**
Mads Gaml, City of Copenhagen

↗ **Government and market: Innovative cooperation for mobility happiness**
Hans Stevens, De Verkeersonderneming

1B. SAFETY DATA COLLECTION AND BENCHMARKING | *RUYS ROOM*

Chair: Dora Ramazzotti, SRM Bologna

↗ **Safer City Streets - a global database and network of experts**
Alexandre Santacreu, International Transport Forum

↗ **Road safety benchmarking in Dutch municipalities: Framework and lessons learned**
Charlotte Bax, SWOV

↗ **Development of a network safety index: Risk assessment without accident data**
Eric de Kievit, City of Amsterdam

↗ **Spatial information on bicycle crash risk for evidence-based interventions on the city scale**
Martin Loidl, University of Salzburg

↗ **Evidence-based and data driven cycling infrastructure improvements. How multimodal traffic count data and video help to build bike- and pedestrian-friendly cities**
Timo Hoffmann, Miovision

1C. NEW DEVELOPMENTS IN URBAN PARKING | *SCHADEE ROOM*

Chair: Laurence Bannerman, EPA

↗ **Nigel Williams, ParkingMatters**
↗ **Blurring on-street and off-street parking to optimize the urban environment**
Peter Martens, EPA and Q-Park

↗ **Mobility for impaired users: From parking to multimodal transport in cities**
Alberto Ferreras, Instituto Biomecanica de Valencia

↗ **Better tendering for parking: a coalition of city representatives and park service companies develops online Toolbox**
Frans Bekhuis & Sander Dijkstra, CROW

1D. VISIONS | *HUDIG ROOM* – panel discussion, inspired by:

Chair: Heather Allen, Consultant

↗ **Funding the Big Projects – Are we missing the Big Picture?**
Michael Aherne, Ireland National Transport Authority

↗ **Transport without transport planning**
Andrew Nash, Greencitystreets.com

	1E. CITYLAB (UPON INVITATION) | *RIJCKEVORSEL ROOM*
11.00	Refreshments	*WILLEM BURGER FOYER*

OPENING PLENARY SESSION | *WILLEM BURGER ROOM*

The air we breathe: How to tackle the air quality challenge?

Welcome address:

- ↗ **Pex Langenberg**, Polis President, Vice-Mayor of Rotterdam
- ↗ **Karen Vancluysen**, Secretary General, Polis

Keynote Speeches:

- ↗ **Karmenu Vella,** European Commissioner for Environment, fisheries and maritime affairs (video message)
- ↗ **Lidewijde Ongering,** Secretary General, Ministry of Infrastructure and Environment, The Netherlands

Panel debate:

Moderator: Nick Lester-Davis, Corporate Director Services, London Councils

- ↗ **Christophe Najdovski**, Deputy Mayor for Transport, City of Paris
- ↗ **Pex Langenberg**, Vice-Mayor for Transport, City of Rotterdam
- ↗ **Paz Valiente,** General Director Sustainability and Environmental Control, City of Madrid
- ↗ **Joanna Drake,** Deputy Director-General, DG Environment, European Commission
- ↗ **Automotive sector representative** (tbc)

(11.30)

13.00	Lunch & Polis Political Group Lunch (upon invitation)	*WILLEM BURGER FOYER* Meet the exhibitors, moderated by Robert Stussi

14.30 – 16.00 PARALLEL SESSIONS

2

2A. INTEGRATED TRANSPORT | *RUYS ROOM*

Chair: Martin Guit, City of Rotterdam

- ↗ **Reading's new 'EasyGo' multimodal hubs and Smartcard**
 Marian Marsh, Reading Borough Council
- ↗ **Developing « Mobility as a Service » in the West-Midlands**
 Adam Harrison, Transport for West-Midlands
- ↗ **MaaS – Putting the concept back on track**
 Sami Sahali, Forum Virium Helsinki
- ↗ **EC2B: Mobility as a Service as part of your community**
 Emeli Adell, Trivector Traffic

14.30 – 16.00

PARALLEL SESSIONS

2

2B. TALKING CYCLING AND WALKING – Pecha Kucha session | *HUDIG ROOM*

Chair: Sjors van Duren, Province of Gelderland

↗ **What can the range of pedal-assisted e-bikes mean for sustainable mobility & traffic safety?**
Anna Clark, Trivector

↗ **BiTiBi: Connecting bicycles and trains in Europe for a more efficient transport system**
Clotilde Imbert, Copenhagenize

↗ **Building a complete cycling policy from scratch: The city of La Louvière (BE)**
Etienne Doyen, Traject

↗ **Fietsen op Zuid: Promoting cycling on Rotterdam's South Bank as a means for socio-economic development**
Jorn Wemmenhove, Fietsen op Zuid

↗ **Brazilian society and municipalities together for the inclusion of bicycles in urban mobility plans**
JP Amaral, Bike Anjo

↗ **Walk this way! Lisbon's Pedestrian Accessibility Plan**
Pedro Gouveia, City of Lisbon

2C. URBAN MOBILITY IN TRANSITION | *VAN BEUNINGEN ROOM*

Chair: Michael Aherne, Ireland National Transport Authority

↗ **Integrated infrastructure planning in Europe: Key to attractive and competitive urban regions**
Raymond Linssen, Rijkswaterstaat

↗ **Improving local transport planning processes and developing quality sustainable urban mobility plans**
Susanne Böhler-Baedeker, Rupprecht Consult

↗ **Transition management to foster fundamental change – Mobility arena in Rotterdam**
Chris Roorda, Erasmus University

↗ **The process of creating liveable streets with low-key improvements**
Wolfgang Aichinger, Consultant

2D. ASSESSMENT AND DECISION SUPPORT TOOLS | *SCHADEE ROOM* – panel discussion, inspired by:

Chair: Oliver Lah, Wuppertal Institute

↗ **Bike Life - Bicycle accounts for seven UK cities: The challenges and benefits of multi-city collaboration**
Andy Cope, Sustrans

↗ **The use of HEAT in a modern cycling city**
Hadrien Bedok, Nantes Métropole

↗ **Using GPS data from the European Cycling Challenge in support of Lille's cycling policy**
Benoit Wiatrak, Lille Métropole

↗ **The TIDE impact assessment methodology. Combining CBA and MCA effectively**
Hanna Huging, Wuppertal Institute

↗ **Assessing sustainable urban transport policies with the URM2030 web-based tool**
Angelo Martino, TRT

2E. CITYLAB (UPON INVITATION) | *RIJCKEVORSEL ROOM*

16.00

Refreshments | *WILLEM BURGER FOYER*

Info Session: Get to know Polis and join! | *RIJCKEVORSEL FOYER*

3A. THE ROLE OF DATA, APPS AND SOCIAL MEDIA IN TRANSPORT | *VAN BEUNINGEN ROOM*

Chair: Sergio Fernández Balaguer, EMT Madrid

- **Promoting the use of sustainable transport modes through non-financial incentives**
  Ayelet Galtzur, Technion

- **Shaping the future of mobility**
  Reinhard Birke, Upstream next level mobility

- **Smart Cities: The city as an accelerator of innovation**
  Clare Cornes, Transport for Greater Manchester

- **Process and quality indicators for delivery of public data**
  Jaap Vreeswijk, Map Traffic Management

3B. PROMOTING ACTIVE TRAVEL WHILE ENHANCING ROAD SAFETY | *RUYS ROOM*

Chair: Eric de Kievit, City of Amsterdam

- **Shaken or stirred? Design philosophies of old and new cycling countries**
  Marjolein de Jong, LigPart - The Netherlands and Urs Walter, Switzerland

- **Bikes and heavy vehicles: Pay attention to blind spots!**
  Mauro Borioni, SRM Bologna

- **Safer Trucks - Improving vulnerable road users' safety through better vehicle design, training and purchasing conditions**
  Paul Glover, Transport for London

- **Seeing the world from children's eyes: Eyetracking used as a method to investigate the cognition of children on their way to school**
  Volker Alberts, Austriatech

16.30 - 18.00 PARALLEL SESSIONS

3

3C. HOW TO MANAGE LARGE-SCALE INFRASTRUCTURES | *HUDIG ROOM*
ppanel discussion, inspired by:p

Chair: Jos Arts, Rijkswaterstaat

- **Transportation infrastructure robustness: Analysis and measurement**
  Joseph Berechman, City College of New York

- **The benefits of innovative technologies and financing for urban rail projects**
  Philippe Citroën, UNIFE

- **Improving the efficiency of the transport system in urban nodes of the TEN-T network**
  Susanne Böhler-Baedeker, Rupprecht Consult

- **City of Gothenburg and the West-Sweden Package**
  Malin Andersson, City of Gothenburg

- **Infrastructure planning within Toulouse's SUMP**
  Alexandre Blaquière, SMTC Tisséo

16.30 - 18.00 **PARALLEL SESSIONS** **3**	**3D. ELECTRIC CITY LOGISTICS: FROM DEMONSTRATIONS TO SUCCESSFUL BUSINESS MODELS** | *SCHADEE ROOM*
	Chair: Richard van der Wulp & Jos Streng, City of Rotterdam
	↗ **How to cope with challenges in integrating electric vehicles into city logistics: What can we learn from FREVUE?** Hans Quak, TNO
	↗ **LoCITY – Reducing Emissions from commercial vehicles in London** Tim Ward, Transport for London
	↗ **Stadsleveransen, a success story on urban freight logistics** Michelle Coldrey, City of Gothenburg
	↗ **Business models for light electric vehicles in city logistics** Susanne Balm, Amsterdam University of Applied Sciences

18.00	**Close of day one**

19.30	**Conference Dinner with presentation of the Thinking Cities Award** World Trade Centre Rotterdam, Beursplein 37, 3011 AA Rotterdam

Conference partners

The Conference has been made possible thanks to the support from our partners:

8.30	Welcome Coffee

9.00 - 11.15 **PARALLEL SESSIONS** **4**	**4A. INNOVATION IN TRAFFIC MANAGEMENT AND ITS |** *RUYS ROOM*

Chair: Claire Depré, DG MOVE, European Commission

↗ **Emissions-based traffic management in Stuttgart – The 2MOVE2 project**
Gisa Gaietto, City of Stuttgart

↗ **Adaptive traffic management and C-ITS challenges in Rotterdam**
Robert Kooijman, City of Rotterdam

↗ **From stand-alone ITS to connected ITS - What does it mean for cities and regions?**
Mark Cartwright, Centaur Consulting

↗ **C-ITS use in cities: What are the areas and which are the next applications interesting for smart mobility in cities?**
Bettina Neuhäuser, Austriatech

↗ **Implementing traffic light assistance in Trondheim**
Orjan Tveit, NPRA

↗ **Smart mobility services supporting sustainable urban network management policies**
Nuno Rodrigues, Dynniq BV & Gert Blom, City of Helmond

4B. SHARED MOBILITY SERVICES \| *HUDIG ROOM*

Chair: Cécile de Boer, Arnhem Nijmegen City Region

↗ **Why every SUMP needs a shared mobility action plan**
Angelo Meuleman, Taxistop

↗ **Bike sharing and public transport: Paving the way for future urban mobility**
Sebastian Schlebusch, Nextbike

↗ **Bike sharing is a living creature**
Marco Bertini, Pisamo

↗ **Carvelo2go: eCargobike-sharing in Switzerland**
Jonas Schmid, Swiss Mobility Academy

↗ **Going Dutch: A new momentum for carsharing**
Friso Metz, Advier

↗ **Introducing shared electric car fleets: Two case studies from the eBRIDGE project**
Dimitrios Xenias, Cardiff University

4C. PUBLIC TRANSPORT IN THE 21ST CENTURY | *VAN BEUNINGEN ROOM*

Chair: Patrick Mercier-Handisyde, DG Research & Innovation, European Commission

- **Solutions for cleaner, innovative and attractive bus fleets: EBSF2, ZeEUS and ELIPTIC**
  Yannick Bousse, UITP

- **CIPTEC: Collective innovations for public transport in European cities**
  Frank Bouma, Mobycon

- **The role of public transport in the Strategic Sustainable Mobility Plan of the Madrid Region, Vision 2025**
  Natalia Sobrino, CRTM

- **Innovative solutions to make public transport attractive to the citizens of Kocaeli**
  Abdulmutalip Demirel, Kocaeli Metropolitan Municipality

- **ElectriCity experiences from one year of electric and hybrid buses on line 55 in the centre of Gothenburg**
  Malin Andersson, City of Gothenburg

- **Innovative predictive maintenance solutions for bus fleet operators**
  Daniela Vasari, Pluservice

- **The difference between automated cars and automated public transit**
  Robbert Lohmann, 2getthere

4D. CLEAN FUELS AND VEHICLES: BUILDING THE PATH TOWARDS ZERO EMISSIONS MOBILITY | *SCHADEE ROOM*

Chair: José Fernandez Garcia, DG MOVE, European Commission (tbc)

- **Rotterdam's Fuel Vision**
  Lutske Lindeman, City of Rotterdam

- **Greater Manchester's electric vehicles network**
  Rafael Cuesta, Transport for Greater Manchester

- **How does the Ile-de-France Region face new e-mobility challenges?**
  Françoise Guaspare, Ile-de-France Europe

- **Establishing the transferability of best practice incentives in EV policy across EU Borders**
  Rob Kroon, FIER Automotive

- **City of Montréal Transportation Electrification Strategy**
  Gilles Dufort, City of Montréal

- **Smart charging of electric vehicles**
  Tim van Beek, EV Consult

- **Importing solutions from the rail sector**
  Philippe Veyrunes, Alstom

4E. LONG TERM EFFECTS OF NEW TECHNOLOGIES AND LIFESTYLES ON PARKING
panel discussion **|** *RIJCKEVORSEL ROOM*

Chair: Nick Lester-Davis, London Councils

With participation and introductory statements of

- **Theo Thuis**, Q-Park
- **Mark Friesen**, Quinta Consulting
- **Frank Vanden Bulcke**, Mobiliteitsbedrijf Gent
- **TBC,** City of Utrecht
- **Graham Parkhurst,** University of the West of England
- **Sam Friedman,** INRIX

9.00 - 11.15

PARALLEL SESSIONS

4

11.15	**Refreshments**	*WILLEM BURGER FOYER*

CLOSING PLENARY SESSION | *WILLEM BURGER ROOM*

Automation in Cities: Opportunity or Threat? Hype or Holy Grail?

11.45

Keynote speech:

- ↗ **The future of automated vehicles in cities**
  Linda Bailey, Executive Director, National Association of City Transportation Officials, USA

Panel debate:

Moderator: Siegfried Rupprecht, Executive Director, Rupprecht Consult

- ↗ **Linda Bailey**, Executive Director, NACTO
- ↗ **Liam Breslin**, Head of Unit "Surface Transport", DG R&I, European Commission
- ↗ **Jean-Luc di Paola-Galloni**, Co-Chairman European Road Transport Research Advisory Council and Valeo Group Corporate Vice-President, Sustainable Development and External Affairs
- ↗ **Adriano Alessandrini**, CityMobil 2, Project coordinator, University of Florence
- ↗ **Connie Bieze**, Regional Minister for Infrastructure, Economy and Environment, Province of Gelderland

Closing:

- ↗ **Karen Vancluysen**, Secretary General, Polis
- ↗ **Pex Langenberg**, Vice-Mayor of Rotterdam

13.15	**Lunch**	*WILLEM BURGER FOYER*
14.15	**SITE VISITS**

Friday, 14.15 - 17.30 Site Visits

Departure: 14.15h. The meeting point for all site visits is **at the registration desk of the conference venue**.

1.   CITY BICYCLE TOUR: SUMP AND ARCHITECTURE

Rotterdam is the Gateway to Europe, a port city with unprecedented opportunities as well as challenges. The Rotterdam municipality is working towards an innovative, green and accessible city. A strong economy, healthy citizens, and an attractive residential and living environment are the main goals and form the underlying principles to Rotterdam's Sustainable Urban Mobility Plan. Rotterdam is also a trailblazer as far as architecture is concerned. The city is internationally known for its daring modern buildings.

In this visit you will learn about and see more of the Rotterdam Sustainable Urban Mobility Plan in practice and pass by some of the city's architectural highlights.

2. WHERE PORT AND CITY MEET: M4H, RDM AND HEIJPLAAT

In cooperation with private companies, the City and Port Authority are creating special, innovative living and working areas in Stadshavens Rotterdam in the coming 20 to 40 years, thus reinforcing the economic structure of both the city and the port.

The visit will show you the highlights of this neighbourhood and its transformation, as well as address the related urban mobility challenges. M4H, once one of the world's largest ports for the fruit trade, is now turning into a modern and innovative working area and, over time, into an attractive residential neighbourhood. RDM campus, now part of Rotterdam's Innovation District, is the innovation showcase of the port area, where applied science is visualised in an attractive way. Heijplaat, founded in 1914 as a garden village residency for the RDM shipyards employees, will transform into a climate neutral residential area.

3. PARKING: STRATEGY AND AWARD WINNER

Learn more about Rotterdam's parking strategy, including a visit to the Kruisplein parking and the EPA award winning Markthal parking.

4. AUTOMATION: IMAGINE!

At Kralingse Zoom in Rotterdam, the only automated system operating at grade and containing at grade intersections with other traffic is operational (since 1999 and the 2nd generation since 2006). The system is still unique today, as all other autonomous vehicles now still feature an attendant. Can you imagine that this type of system as operational at Rivium can actually be extended and run on even less-segregated roads?
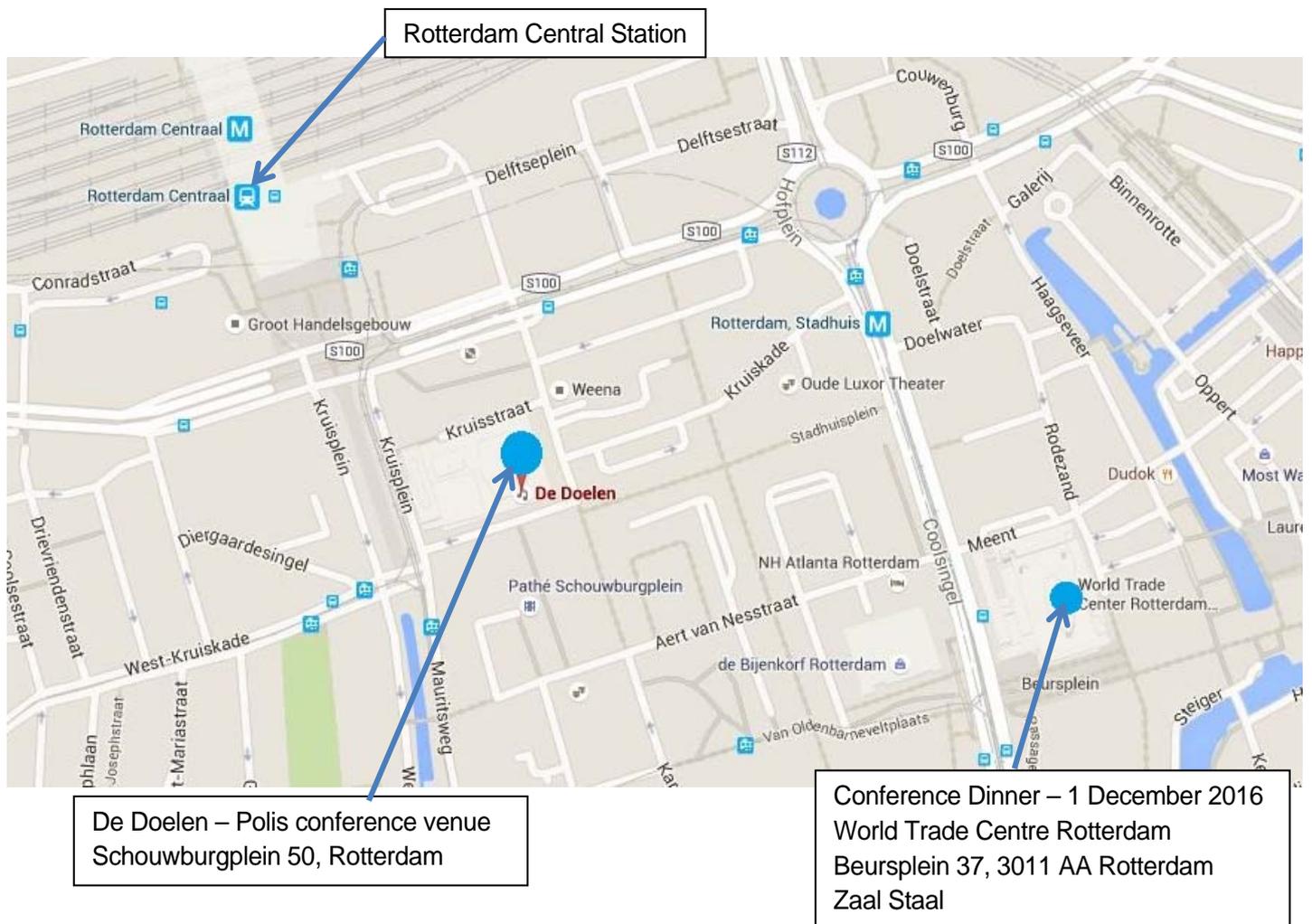
Conference venue:

De Doelen - Schouwburgplein 50, Rotterdam

Conference dinner, 1 December 2016, 19.30:

World Trade Centre Rotterdam – Beursplein 37, 3011 AA Rotterdam

Please find detailed travel and accommodation information in the practical information guide on www.polisnetwork.eu/2016conference

Rotterdam Central Station

De Doelen – Polis conference venue
Schouwburgplein 50, Rotterdam

Conference Dinner – 1 December 2016
World Trade Centre Rotterdam
Beursplein 37, 3011 AA Rotterdam
Zaal Staal

STAY IN TOUCH!

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The conference presentations will be made available online: www.polisnetwork.eu/2016conference
The 2016 Polis Conference twitter hashtag is #polis16