

INTERNATIONAL CONFERENCE

re-inventing DELHI

Big thinking
on the world's
largest future
megapolis



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National Institute of Urban Affairs

#reinventingDelhi



re-inventing DELHI

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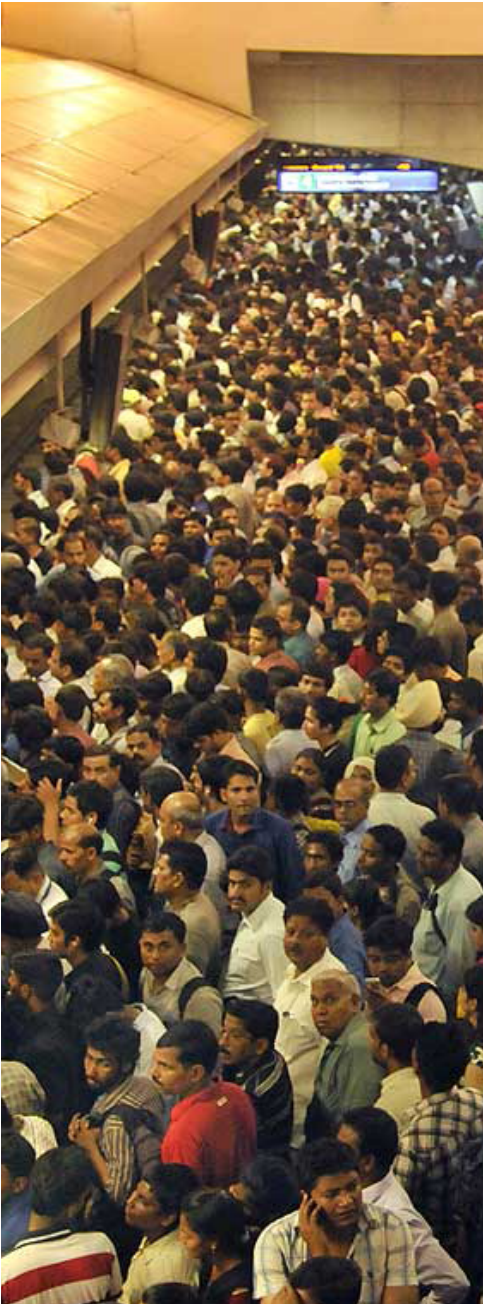
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CONTEXT



India's 'first city' is slated to become the world's most populated city within the coming decade, and it is expected to overtake Tokyo by 2027.

In terms of sheer size and spread, Delhi's regional conurbation already matches some of the largest global urban giants. The city itself has transformed substantially since the time of the first Master Plan for Delhi (1962) - spawning a complex regional network of towns and cities within the National Capital Region, shedding its earlier unidimensional image as the administrative capital of the country and emerging as a major economic center within the global economy.

In doing so the city has acquired all the characteristics, complexities and challenges of a super-sized megapolis. Rapid structural changes have left a plethora of issues in their wake, namely, low-density sprawl and unsustainable urban form, sub-optimal use of land, large trip distances and compounding transportation issues, acute housing shortages being met within unauthorized colonies, slums and urban villages, degraded built environment, pollution and allied health issues, extreme differences in access to civic services across space and class, and a growth pattern that is in obvious disharmony with the city's natural ecology and heritage. Much of this change has taken place outside the regulatory framework of the Master Plan, with every subsequent revision of the plan playing "catch-up" to accommodate or regulate the changes. There is an urgent need to replace traditional 'Control' oriented regulatory planning in favour of a 'Strategic' and 'Enabling' plan framework, that can nurture the future growth of the city.

In 2021 the next Master Plan for Delhi for a perspective period of 20 years (MPD 2041) will come into force. This is an opportune moment to re-evaluate the present planning paradigms and potentially re-invent the way we think about the future of this city. Strategic thinking and application of cutting-edge ideas and technologies will be required for realizing Delhi's potential as an economic and cultural powerhouse, as well as for turning around economic stagnation, physical degradation and stressed resources.

Key departures from past efforts that must define MPD 2041

01



First and foremost, the next plan must recognize that cityscapes are shaped and reshaped by the actions and negotiations of various actors, and therefore build into its ethos a participatory approach involving different scales and types of public and stakeholder engagement. It will be important to re-invent the master plan as a 'plural' framework built 'along with' and 'for' the stakeholders who use, experience and craft the city.

02



Second, megacities like Delhi establish strong live and work networks and dependencies with a number of regional urban and rural settlements, throwing up complex trans-boundary issues, as well as opportunities for economic development and diversification. It is no longer possible to undertake planning of the core city without adequate reference to regional economic and spatial geographies. There is a need to reimagine Delhi's role as the core of its global mega-region, and strategize inter-city networks and shared regional infrastructure needed for forging new areas of growth and economic vitality.

03



Third, how people travel to and within Delhi - how much and how efficiently - will be an important determinant of the future urban form of the city. On the one hand, the city will need to adopt a sustainable mobility strategy that addresses issues of local level walkability, green mobility and accessibility to affordable mobility options and develop a comprehensive plan for larger technological, infrastructure and management interventions needed to manage inter-city and trans-region movement of people and goods, on the other.

04



Fourth, the entire planning ideology must be underpinned by an overarching concern for ecologically responsible growth and resilience. Whether this concerns the highly polluted river and natural drainage systems of the city, or the notorious image of the city as the air pollution capital of the world, or the imminent danger that is posed by development to the green assets of the city, Delhi will need to deploy an array of innovative strategies to curb the environmental degradation and craft a turnaround in terms of ecological asset management.

05



Fifth, cities globally undergo continuous redevelopment and transformation to keep up with the demand for housing and infrastructure. Large parts of Delhi are already built-up and a comprehensive redevelopment and regeneration strategy will have to be put in place for effectively managing this process of physical transformation. Approaches for strategic redevelopment, value capture, regeneration of culturally significant urban fabric, revitalization of ageing building stock and improvement of dense and unregulated areas will need to be explored.

06



Sixth, it will be critical to challenge the business-as-usual approach to planning, implementation and governance and explore the possibilities offered by technology, artificial intelligence and big data. This will enable the creation of a dynamic and adaptable framework for city planning; improving our ability to accurately predict and manage transient urban landscapes and changing needs.

ABOUT THE CONFERENCE

This conference on 'Re-inventing Delhi' is being jointly organized by DDA and NIUA to gain insights from experts on various aspects of concern for Delhi.

The event is about big thinking on cities - ideas and paradigms that can help us rethink the way we understand the city, address its problems and leverage its opportunities. It will bring together eminent urban thinkers, practitioners and city administrators to speak about the big ideas and strategies that have been at the core of planning of cities that have embraced principles and practices of liveability and sustainability and at the same time emerged as global economic centers and cultural hubs. The presentations and ensuing deliberations will focus on identifying transformative urban strategies that can potentially define the contours of Delhi's future urban development strategy.

The conference has been designed as a 2-day event where key national/international speakers will present ideas and case studies, followed by a moderated session that will seek to localize the learnings in the context of Delhi.

EXPECTED OUTCOMES

01

The conference will throw up 'disruptive' and 'transformative' ideas and strategies that can be adopted/ adapted in the context of Delhi

02

It will set the stage for critically reviewing Delhi's present planning strategies

03

Lastly, it will highlight various innovative areas/aspects for further detailed study and incorporation within the Master Plan 2041

The presentations and deliberations are designed in the form of five technical sessions spread over 2 days.

SESSION
01

ALPHA CITY

Strategies for urban transformation

The session will cover aspects like revitalizing economy, making planning and governance people-centric, innovative institutional frameworks for facilitating implementation of plans and re-thinking the role of core cities within emerging global mega-regions.

SESSION
02

CITY ON THE MOVE

Accessible, efficient and sustainable mobility

The session will cover larger transportation strategies for smoothening traffic flows within the city, strengthening regional infrastructure and linkages, enhancing walkability and promoting green mobility, strategizing public transit systems and their integration with land use and densities.

SESSION
03

RESILIENT CITY

Natural environment and climate change

The session will focus on management of green and blue assets, strategies towards reducing air pollution, developing a climate change resilience plan and environmental monitoring.

SESSION
04

EVOLVING CITY I

Managing urban regeneration and redevelopment

The session will cover aspects like strategic redevelopment, regeneration of old and decaying city fabric, management of built heritage and land value capture mechanisms.

SESSION
05

EVOLVING CITY II

Data-driven cities and innovation in governance

The session will highlight use of big data, smart solutions and artificial intelligence for improving planning, implementation, monitoring and overall governance.

key resource persons



Pedro B Ortiz
Senior fellow,
NYU Marron Institute



Alex Williams
Director of
City Planning,
Transport for
London (TfL)



Forbes Davidson
Senior Faculty,
Institute for
Housing and Urban
Development
Studies



Stefan de Koning
Senior Associate,
MVRDV



**Cristina Rumbaitis
del Rio**
Regional Program
Manager, Action
on Climate Today



Paul Lecroart
Senior Urban
Planner, Planning
Agency for the Paris
Metropolitan Region



Christopher Pettit
Chairman, Urban
Science Dept,
UNSW



Eric Huybrechts
Manager,
International affairs,
Regional planning
Agency of Paris



Sebastien Maire
Chief Resilience
Officer, City of Paris



Bruno Moser
Partner and head of
the practice's Urban
Design Group, Foster
+ Partners



O. P. Agarwal
Country Director
& CEO,
World Resources
Institute, India



Leenu Sahgal
Commissioner
(Planning),
DDA



Matthijs Bouw
Founder,
One Architecture



Pankaj Vir Gupta
Principal, vir.muller
architects
Professor of
Architecture,
University of Virginia



Gert Jan Scholte
Partner, Cityblob



Bipin Pradeep Kumar
CoFounder,
Gaia Smart Cities



Manojit Bose
Chief Knowledge
Officer (CKO),
Pune Smart City
Development
Corporation Limited



Jagan Shah
Director,
National Institute of
Urban Affairs



Anuj Malhotra
CEO, Center for
Green Mobility



Avik Sarkar
Head, Data
Analytics Cell, NITI
Ayog

re-inventing **DELHI**

CONFERENCE AGENDA

DAY 01 | February 19, 2019

10:30 am - 11:30 am | Tea and registration

Session duration
11:30 am - 1:30 pm

INAUGURAL SESSION

Welcome and opening remarks

Mr. Tarun Kapoor | Vice-Chairman, DDA

Setting the context

Mr. Durga Shanker Mishra | Secretary, MoHUA

Inaugural address

Mr. Anil Baijal | Hon'ble Lieutenant Governor Delhi

Key-note address

Mr. Hardeep Singh Puri | Hon'ble Minister Of State, Housing and Urban Affairs

Special address

Mr. Pedro B Ortiz | Senior Fellow, NYU Marron Institute

Vote of thanks

Ms. Leenu Sahgal | Commissioner (Planning), DDA

Q&A

01:30 pm - 02:30 pm LUNCH

TECHNICAL SESSION 01

Session duration
02:30 pm - 04:00 pm

ALPHA CITY

Strategies for urban transformation

Key discussion themes of session:

Rethinking role of 'Delhi' as the core of an emerging global mega-region, people-centric planning, rejuvenating economy, innovative institutional frameworks for facilitating implementation.

02:30 pm - 03:00 pm

Mr. Eric Huybrechts

*In charge of the International and European Affairs
Urban and Environmental Planning Agency of Greater Paris
Region (IAU)*

03:00 pm - 03:30 pm

Mr. Forbes Davidon

*Senior Faculty
Institute for Housing and Urban Development Studies*

03:30 pm - 04:00 pm

Discussion with Q&A moderated by

Mr. Jagan Shah

*Director
National Institute of Urban Affairs*

04:00 pm - 04:30 pm TEA / COFFEE

TECHNICAL SESSION 02

Session duration
04:30 pm - 06:00 pm

CITY ON THE MOVE

Accessible, efficient and sustainable mobility

04:30 pm - 05:00 pm

Key discussion themes of session:

Green mobility, walkable cities, strengthening public transit systems, integrating land use and transport.

Mr. O. P. Agarwal

Country Director & CEO
World Resources Institute, India

05:00 pm - 05:30 pm

Mr. Alex Williams

Director of City Planning
Transport for London (TfL)

05:30 pm - 06:00 pm

Discussion with Q&A moderated by

Mr. Anuj Malhotra

CEO
Centre for Green Mobility

DAY 02 | February 20, 2019

10:30 am - 11:00 am | Tea and registration

TECHNICAL SESSION 03

Session duration
11:00 am - 01:00 pm

RESILIENT CITY

Natural environment and climate change

11:00 am - 11:30 pm

Key discussion themes of session:

Management of green-blue assets, strategies for tackling pollution, dealing with climate change, developing a resilience framework.

Ms. Cristina Rumbaitis del Rio

Regional Program Manager
Action on Climate Today (ACT)

11:30 am - 12:00 am

Mr. Sebastien Maire

Chief Resilience Officer
City of Paris

12:00 pm - 12:30 pm

Mr. Matthijs Bouw

Founder
ONE Architecture

12:30 pm - 01:00 pm

Discussion with Q&A moderated by

Mr. Pankaj Vir Gupta

Founding Partner
vir.mueller architects

01:00 pm - 02:00 pm **LUNCH**

TECHNICAL SESSION 04
Session duration
02:00 pm - 04:00 pm

EVOLVING CITY I

Managing urban regeneration and redevelopment

Key discussion themes of session:

Strategic redevelopment, regeneration of city fabric, management of built heritage, value capture.

02:00 pm - 02:30 pm

Mr. Stefan de Koning

Senior Associate
MVRDV

Mr. Gert Jan Scholte

Partner
Cityblob

02:30 pm - 03:00 pm

Mr. Bruno Moser

Partner and head, Urban Design Group
Foster + Partners

03:00 pm - 03:30 pm

Mr. Paul Lecroart

Senior Urban Planner
Planning Agency for the Paris Metropolitan Region (IAU-dR)

03:30 pm - 04:00 pm

Discussion with Q&A moderated by

Ms. Leenu Sahgal

Commissioner (Planning)
Delhi Development Authority (DDA)

04:00 pm - 04:30 pm

TEA / COFFEE

TECHNICAL SESSION 05
Session duration
04:30 pm - 06:00 pm

EVOLVING CITY II

Data-driven cities and innovation in governance

Key discussion themes of session:

Role of smart solutions and artificial intelligence, big data management and integration, monitoring frameworks.

04:30 pm - 05:00 pm

Mr. Christopher Pettit

Chairman
Urban Science Dept, UNSW

05:00 pm - 05:20 pm

Mr. Bipin Pradeep Kumar

Co-Founder
Gaia Smart Cities

05:20 pm - 05:40 pm

Mr. Manojit Bose

Chief Knowledge Officer
Pune Smart City Development Corporation Limited

05:40 pm - 06:00 pm

Discussion with Q&A moderated by

Mr. Avik Sarkar

Head of the Data Analytics Cell
NITI Aayog

**PROFILES
OF
resource
persons** >>>



DAY 01



Pedro Ortiz

Senior Fellow

Marron Institute of Urban Management

Pedro Ortiz is a Senior Fellow at the Marron Institute of Urban Management. He is also a senior consultant of metropolitan management and planning for International Governmental Organizations such as the United Nations, European Union, UN-Habitat, World Bank, Inter-American Development Bank, and others. He also consults for national and local governments directly and through consultancy firms. Ortiz was also a Senior Urban Specialist at the World Bank. From 1989 to 1992, Ortiz was the elected Mayor of Madrid's Central District (Distrito de Salamanca). Additionally, he was a member of Madrid's City Council (1987-1995), where he was responsible for Urban Prospective (1993-1995) and Culture (1991-1993). He served as Director of the Strategic Plan for Madrid (1991-1994) and was the Director General for Town and Regional Planning for the Government of Madrid Region. He also authored the Regional Development Plan of Madrid of 1996 and the Land Planning Law of 1997. Ortiz is also a Fellow at George Mason University - Shar Institute. He was previously a Visiting Professor at Milano Politecnico, and the Director of the master's program of Town Planning at the University King Juan Carlos of Madrid.



Eric Huybrechts

Manager of International Affairs

Directorate General of the Regional Planning Agency of Paris/Ile-de-France

Eric Huybrechts is a Senior Architect and Urban/Regional Planner, member of ISOCARP (Scientific Council, France representative), ICOMOS (Working Group on Climate and Heritage), Société Française des Urbanistes (Scientific council) and Officer of the Royal order of Sahametrey (Kingdom of Cambodia). He is the Manager of International Affairs at the Directorate General of the Regional Planning Agency of Paris/Ile-de-France. Huybrechts has extensive experience in the fields of Urban and Regional Planning, working with cities like Algiers, Beirut, Cairo, Damascus, Erevan, Istanbul, Kampala, Mongolia, Mumbai, Paris/Ile-de-France, Phnom Penh, Rio de Janeiro, Samarkand, Tripoli-Libya, and Al Ula in the capacity of an expert and team leader. He has recently led projects such as the National Urban Development Scheme of Ethiopia (2013-2015) and the National Spatial Strategy of Saudi Arabia (2017-2018). His work has involved developing projects at the local, sub metropolitan, metropolitan, regional and national scales. Huybrechts is a senior planner at IAU-IdF and represents them at the World Urban Campaign of UN-Habitat, Climate Change (in charge of Territorial planning alliance) and the global network of Metropolitan and Territorial Planning Agencies (MTPA). He manages decentralized cooperation projects with Abidjan, Beijing and Beirut. He also has significant academic experience, both as a scientific researcher in the Middle-East countries and as a lecturer in several universities in France (Paris 1 - Sorbonne university, Ecole Nationale des Ponts et Chaussées) and abroad (MIT/Boston, etc.), mainly on the subject of territorial planning in the Global South. He is also a member of the scientific council of the Labex Dynamite (18 scientific research units focusing on Geography, History and Archeology).



Forbes Davidson

Senior Faculty
Institute for Housing and Urban Development Studies

Forbes Davidson is an urban planning and management practitioner and educator who works on the challenges of making plans implementable. He has worked for many years on improving international practice in the fields of urban policy, strategic planning and urban management with the Institute for Housing and Urban Development Studies in Netherlands, where he works as a Senior Faculty. Davidson has worked in more than 20 countries including India and in cities ranging from small towns like Alice in South Africa to mega-cities like Cairo, Mumbai and Jakarta. He has also worked on preparing a strategic Master Plan for Ismailia in Egypt. This involved implementing large scale inclusive urban development projects, which won the Aga Khan Award for Architecture. He is currently advising the government of Vietnam on the development of a National Urban Development Strategy.



Jagan Shah

Director
National Institute of Urban Affairs

Jagan Shah is Director of India's apex urban think-tank, the National Institute of Urban Affairs, which supports the Ministry of Housing & Urban Affairs with policy formulation, implementation and monitoring of urban programs. NIUA executes a diverse portfolio of projects, conducts new research, produces proof-of-concept and promotes ecosystems for enabling urban innovation. Shah spearheads the team that works on the development of MPD 2041 at NIUA. He is recognized as a thought-leader for the Smart Cities Mission. Shah is a professional architect, historian and theorist trained at the School of Planning & Architecture, New Delhi, the University of Cincinnati and Columbia University. He has been a teacher and writer and has advised a number of corporate and development sector clients. He served as the founder CEO of Urban Space Consultants from 2007 to 2010, Director of the Sushant School of Architecture from 2011 to 2012, Independent Director of Delhi Integrated Multi-modal Transit System from 2015 to 2018 and has been a Trustee on the board of Clean Air Asia since 2016.



Alex Williams

Director of City Planning
Transport for London

Alex Williams is the Director of City Planning at Transport for London (TfL) and has been instrumental in the development of the Mayor of London's Transport Strategy for London. Prior to his work at TfL, Williams worked in the London Boroughs of Camden and Ealing and was Director of Borough Planning from 2007 to 2016. As the Director of TfL his current responsibilities include working with the Mayor to develop and deliver the Mayor's Transport Strategy, develop plans for major infrastructure projects such as tube extensions/new river crossings, manage transport advice on Land Use Planning applications referable to the Mayor, manage relationship with the London Boroughs and ensure that the planning of the city is underpinned by a robust evidence base through modelling and analysis.



O. P. Agarwal
CEO
World Resources Institute, India

Dr. O. P. Agarwal is currently the India Country Director of the World Resources Institute and the CEO of its Indian arm, known as WRI India. He was a member of the IAS from 1979 to 2007 and was allocated to the Assam cadre. He has held several positions such as the Joint Secretary in charge of Urban Transport in the Ministry of Urban Development and the Secretary for Transport in Assam. He was the principal author of the National Urban Transport Policy for the country, which was adopted in 2006 and has remained the key document guiding urban transport investments since then. He has also worked in the World Bank for 6 years as its global Urban Transport Adviser in Washington DC. Dr. Agarwal has also authored several papers on urban transport policy and governance issues. His recent book entitled "Emerging Paradigms in Urban Mobility Planning, Financing and Implementation" was published by Elsevier. He has a PhD. from the Indian Institute of Technology, Delhi, a Master's degree in Transportation from the Massachusetts Institute of Technology, and a Bachelor's degree in Electrical Engineering from the Indian Institute of Technology, Madras.



Anuj Malhotra
Founder
Centre for Green Mobility

Anuj Malhotra is a technocrat and urban infrastructure professional with over 18 years of experience in Transport and Urban Development. Anuj is currently the Advisor (Transport) to the Government of Jammu & Kashmir. As part of this assignment, Anuj recently developed the administrative and financial structure for the new Water Transport System for Srinagar, restructured over 120 km of roads to improve sustainable transportation infrastructure, including the famous Dal Lake Foreshore Boulevard and rolled out India's first on-street parking management system, which decongested roads while creating a large revenue source for the Municipal Corporation. Prior to this, he was the CEO of Centre for Green Mobility (an award winning national non-profit organization) where he advised, trained, formulated and implemented various sustainable transport and urban development projects, policies and initiatives around cities like New Delhi, Ahmedabad, Vadodara, Jaipur, UT of Daman & Diu, Surat and Ambala. He has been instrumental in key projects around the country such as the Diu Cycle Tracks, the Bicycle Sharing Policy for Delhi (India's first), the DDA Greenway project, the Pune Street Program, and NMT integration in street development in Delhi, Ambala and Srinagar city. Previously, as Director of Transport Programs, he led various programs/projects on sustainable transport at ITDP, where he shaped the Rajkot NMT program, designed the Pimpri-Chinchwad BRT, and directed the Our Cities Ourselves, an international travelling exhibition. Malhotra has contributed to the Urban Road Code of IRC, co-authored the Decongestion Plan for Delhi for MoHUA and provided expert input in making Guidelines for implementing Bicycle Sharing in Indian cities for the Ministry.

DAY 02



Cristina Rumbaitis del Rio

Regional Programme Manager
Action on Climate Today (ACT)

Cristina Rumbaitis del Rio is the Regional Programme Manager for Action on Climate Today, a UK AID supported programme that seeks to mainstream climate change resilience into development planning and budgeting at the national and sub-national level in India, Pakistan, Nepal, Afghanistan and Bangladesh. She has also worked at The Rockefeller Foundation in New York from 2007-2015 as a Senior Associate Director, where she helped develop initiatives on building resilience for poor and vulnerable people who will be affected by climate change, as well as initiatives related to water management, small scale fisheries, and preservation of ecosystems and the services they provide to humankind. Dr. Rumbaitis del Rio has also been a post-doctoral fellow at the Columbia University's Earth Institute and a policy researcher for the United Nations Environmental Program, the U.S. Department of State, and other institutions. She was a recipient of the 1996 National Harry S. Truman Scholarship for Public Service and a Mass Media Fellow of the American Association for the Advancement of Science. She holds a Bachelor of Arts degree from Columbia University and a Doctoral degree in Ecology from the University of Colorado.



Matthijs Bouw

Founding Principal
ONE Architecture

Matthijs Bouw is a Dutch architect-urbanist and the founder of ONE Architecture, an award-winning Amsterdam and New York-based design and planning firm. He directs the Urban Resilience Certificate Program for PennDesign at the University of Pennsylvania. Bouw's work at UPenn theorizes and positions design as an integrator and innovator among scales, disciplines, actors and issues in urban resilience and water management projects. Additionally, he researches how to achieve and increase 'resilience value' in the implementation of complex projects. He is a member of the ULI panel that writes the '10 principles for building resilience'. Bouw has been a pioneer in the use of design as a tool for collaboration, for instance through the development of 'Design Studios' as an instrument to support the Netherlands' Ministry of Infrastructure and the Environment with its long-term planning, with notable projects as the Deltametropolis Studio and Randstad 2040. His office works on flagship resilience projects in New York, Boston and San Francisco. A co-leader of the BIG Team that won the Rebuild by Design competition for the flood protection of Manhattan, ONE Architecture is currently part of the multi-disciplinary teams executing the first phase of the East Side Coastal Resiliency project for Lower Manhattan, as well as planning the Lower Manhattan Coastal Protection project. In Panama City, Bouw is the urban designer in the 'Water Dialogues' team. In the Philippines, he is the urban planner for the Asian Development Bank on New Clark City, and works on nature-based disaster reduction in Tacloban. In the Netherlands, ONE Architecture is part of the 'Hackable City' team for Buiksloterham, a large scale brownfield redevelopment in Amsterdam-Noord based on the principles of circular economy.



Sébastien Maire
Chief Resilience Officer
City of Paris

Sébastien Maire is an expert in local authorities' management and a specialist in sustainable development and urbanism, and territorial governance. He was an elected official (deputy-mayor of his birth town, in charge of university and international relationships) and administrative director in other French municipalities (for economic and local development). From 2008 to 2014, he was in charge of crisis management as the Mayor's chief of staff of a poor city in the Parisian suburb. As Paris CRO and member of the 100 Resilient Cities network, he has been building the city resilience strategy with a wide panel of stakeholders, in two main directions: how to strengthen social cohesion and the dwellers' preparedness to face any kind of crisis, and how to adapt middle and long-term urban planning and development to face global warming consequences.



Pankaj Vir Gupta
Founding Partner
vir.mueller architects

Pankaj Vir Gupta is a founding partner of vir.mueller architects- an award-winning practice in New Delhi, that incorporates architectural research and education. He holds a Bachelor of Science in Architecture from the University of Virginia, and a Master of Architecture from the Graduate School of Architecture at Yale University. In 2014, vir.mueller architects were awarded the Gold Medal Fritz Hoger Prize in Architecture. Gupta is also a Professor of Architecture at the University of Virginia, where he is the Co-Founder and Co-Director of the Yamuna River Project, a major pan-university research project. Since 2012, he has been engaged with teaching Urban Design and Architecture studios on the Re-Centering Delhi project at the University of Virginia, a research and design initiative focused on the revitalization of the urban precincts adjacent to the Yamuna river, creating a vital ecological center for New Delhi. Most recently, he has co-authored Yamuna River Project: New Delhi Urban Ecology (2018 Actar Press, New York & Barcelona), which encapsulates an evidence-based analysis of the crisis afflicting the urban ecology of the Yamuna River in New Delhi.



Stefan de Koning
Senior Associate
MVRDV

Stefan de Koning heads MVRDV's department for projects in India and Southeast Asia. He joined the firm in 2002 and has since then realised a variety of projects such as the Gyre commercial center in Tokyo and the 'Future Towers'- a large scale housing development in Pune, India. He is currently overseeing the construction of a mixed-use development in Colombo, Sri Lanka. Stefan graduated as an interior architect and designer from the Gerrit Rietveld Academie Amsterdam in 2001, after obtaining a degree in industrial and architectural design from the AIVE/Design Academy Eindhoven. Since 2014, he has been teaching at the studio for Complex Projects & Vertical Cities for the course in MA Architecture at TU Delft in the Netherlands.



Gert Jan Scholte

Partner
City Blob, Netherlands

Gert Jan Scholte is a Dutch architect and urbanist. He is the founder of Cityblob, an Amsterdam-based architecture, urban planning and real estate development company that focuses on large scale infrastructural projects. Built projects include a large scale sports, retail and leisure development that is part of the new Amsterdam Bijlmer Arena railway and underground station. In India Cityblob is partnering with companies like MVRDV, Airbus Space & Defence and institutes like UNESCO IHE / NIOO to tackle (or control) large-scale urban challenges like air pollution, open sewerage (Barapullah Springs project) and landslides. Moreover Gert Jan Scholte is the initiator and co-writer of books on Architecture and Urban Design in India like 'Learning from Mumbai' and 'Learning from Delhi' (published by Mapin Publishing).



Bruno Moser

Partner and head, Urban Design Group
Foster+ Partners

Bruno Moser is a partner and head of the practice's Urban Design Group, which focuses on all aspects of urban design and planning. He graduated from the Eidgenössische Technische Hochschule (ETH) in Zurich in 2000 and has a masters in city design and social science from the London School of Economics and Political Science (LSE), 2003. After completing his MSc he continued research at the LSE. Projects include the international conference series 'Urban Age' and 'The Endless City', research for the 10th Venice Architecture Biennale, 'City and Society' and the subsequent exhibition at the Tate Modern. He joined Foster + Partners in 2007. His project experience includes initiatives for new cities, such as Blue City in Oman and Masdar City in Abu Dhabi; urban developments in Beijing and Riyadh; a regional development plan in the Middle East; and a study of infrastructure development in the UK. He has worked on regeneration-driven schemes in Singapore, West Kowloon and Shanghai, and schemes with a residential focus in Lisbon, Toronto, Latin America and the Middle East.



Paul Lecroart

Senior Urban Planner
IAU-dR

Paul Lecroart has over 30 years of experience in strategic urban projects and research for the Paris Region and other city authorities in France and worldwide. He has been involved in major projects like the Parc des Hauteurs (Hights Park), Est Ensemble Grand Paris a 300-ha metropolitan park system (2015+), the Paris Olympic Study (2014-2015), the Paris Regional Masterplan Île-de-France 2030 (2007-2013), the Regional Green Plan (2016, 1990s), the Metropolitan Ring Metro Study (2005), the Plaine Saint-Denis Canal Park Project (1998) and Paris-CDG Airport Corridor studies. He also leads a research programme on highway removal & urban transformation in the Paris Region, drawing on the experience of Seoul, San Francisco, New York, Vancouver, Montréal and others, informing the Seine River Banks Project (2010-2017) and the International Consultation on the future of the Paris Périphérique and the Grand Paris expressway network (2017-2019). He steers comparative research and international exchange of experience on sustainable large-scale innovative urban redevelopment projects with cities like London, Amsterdam, Hamburg, Copenhagen-Malmö or the Ruhr Region. Lecroart holds a masters degree from Paris-Panthéon Sorbonne University and the French Planning Institute (1991). He was a visiting affiliate at the Luskin School of Urban Affairs at UCLA (2011), and currently teaches strategic and tactical urban planning at Sciences Po Urban School (Ecole Urbaine de Paris) and the École d'Urbanisme de Paris (University of Paris-Est).



Leenu Sahgal
Commissioner (Planning)
Delhi Development Authority

Leenu Sahgal is a senior architect and urban planner with more than 26 years of experience of city planning. She has been instrumental in shaping and implementing the policies of the Delhi Development Authority (DDA) since Jan 2018 in her role as Commissioner (Planning) at DDA. In her earlier roles, she has led the planning of three green field towns in the NCR i.e. Greater Noida, Yamuna Expressway and the abutting area and Delhi Mumbai Industrial Corridor project. As part of these projects she has been involved both in the overall planning and strategy development as well as preparation of policies.



Christopher Pettit
Chairman, Urban Science Dept.
UNSW

Professor Chris Pettit is the inaugural Chair of Urban Science, Faculty of Built Environment, University of New South Wales (UNSW). He is the Director of the City Analytics Masters (MCA) Program which upskills the next generation of practitioners and policy-makers with the ability to harness the power of data-driven approaches for understanding the inherent complexity of the city. He established the City Analytics Lab (CAL), a dedicated space designed to support collaborative city planning and user centred design. He is also an Associate Director of the City Futures Research Centre, which has conducted world class urban research for over the last 12 years, and a co-founder for the OpenCitySmart – Open platform for Smart Cities initiative. Prof Pettit's expertise is in the convergence of the fields of city planning and digital technologies including Geographical Information Sciences (GIS). He has given numerous keynote addresses at conferences around the world and has published more than 180 peer reviewed papers. For the last 25 years, he has been undertaking research and development in the use of digital planning tools to support the envisioning of future city scenarios including the online What if? Scenario GIS based Planning Support System which has been applied in over 50 countries around the world.



Bipin Pradeep Kumar
Co-founder
Gaia Smart Cities

Bipin Pradeep Kumar is the CoFounder and Director at Gaia, a startup in the IoT space focussed on data driven insights. Gaia is the Technology consultant for 3 of India's Smart cities, has its products in over 105 cities and has won several accolades including recognition as one of India's Emerging 20 companies by the Mayor of London recently. Just prior to founding Gaia, he was with Reliance Jio. He has also been a part of two Mobile telecom-related startups, and has provided solutions and worked on new products with several telecom and mobile related companies in India and S Asia. Kumar also serves as an Expert with United Nations Centre for Trade Facilitation and Electronic Business. He is the Chairman of the Smart City Group for TEC, DOT, Ministry of Communication and IT, Government of India. He holds a dual MBA from Georgetown University's School of Foreign Service & School of Business and ESADE Business School and a MSc from the University of Wales.



Manojit Bose

Chief Knowledge Officer

Pune Smart City Development Corporation Limited

Manojit Bose, an alumnus of NIT, Silchar and Indian School of Business, Hyderabad, comes with extensive experience of technology implementation in the government. Prior to that he spent close to a decade, serving Fortune 100 customers working out of India, US and Japan. He has been involved with the Smart Cities Mission right from the very beginning having worked closely with Ministry of Housing and Urban Affairs, Government of India, and various cities in drawing up their Smart City Plans. During this time he had also co-authored a report, "Integrated ICT and Geo-spatial Technologies framework for the 100 Smart Cities Mission" which was leveraged by various cities in identifying their pan city IT interventions. He has also been a member of various technology working groups set up by the Government. In his current role he drives the conceptualization and implementation of technology initiatives of the Pune Smart City and Pune Idea Foundation Factory, focusing on technology led innovation in solving complex sectoral problems.



Avik Sarkar

Head of the Data Analytics Cell

NITI Aayog

Dr. Avik Sarkar is an Officer on Special Duty (OSD) at NITI Aayog, Government of India and heads its Data Analytics Cell that develops roadmap for use of data, analytics and artificial intelligence for governance, policy making and supporting India's inclusive growth. He is also engaged with the Energy Vertical at NITI Aayog, in setting up the Energy Modeling Unit for long term planning of future energy needs of India through initiatives like integrated energy modelling, energy data management, etc. He has been nominated among the "Top 10 Data Scientists in India" in 2017 by the Analytics India Magazine and nominated as "LinkedIn Influencer" in the Technology space in 2015. He has over 17 years of experience across different aspects of data analytics, statistical modeling, data/text mining across companies like IBM, Accenture, Nokia, NASA, Persistent Systems, Zycus, etc. In his previous role at Accenture Consulting in Singapore, Dr. Sarkar contributed to various data and analytics related engagements with Singapore Government like efficient reporting and resolution of municipal issues, evaluation and monitoring of secondary school education, improving operational efficiency in immigration and customs. While at IBM, he made significant contributions towards developing the Monte Carlo Simulation of SPSS and the Predictive Maintenance and Quality solution for the manufacturing sector. Dr. Sarkar holds a PhD. from The Open University, UK, a Masters degree from Indian Institute of Technology (IIT) Bombay and Bachelors degree from Calcutta University. He has also authored several technical publications and technology patents.

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