

Summary CV

Joël van der Beek

Economist & strategy consultant

Profile

Joël has more than 20 years of experience in economic research. He studied Economics at the Erasmus University in Rotterdam, specializing in development and international economics. He is founder of EconoVision, economic research and co-founder of EconoLytics, data analytics. Within the field of transport economics, which is the major working field of EconoVision, railway and port infrastructure are his main expertise, besides conducting transport studies in road and air transportation.

Joël has published on various themes: transport and trade policies, planning of national transport infrastructure, economic processes in spatial and town planning, rail infrastructure, maritime economics, and pricing of global climate risk. He has worked in more than 30 different countries.

Experience

since 2005: EconoVision, Doorn & EconoLytics, New Delhi (since 2013)

Principal economist

2004 – 2005: Atos Consulting (before KPMG), Utrecht. Senior business consultant

2003 – 2004: TransCare, Wiesbaden (G) and Leiden. Consultant/project manager

1998 – 2003: Policy Research Corporation, Antwerp (B) / R'dam (NL). Management consultant

1996 – 1998: Ecorys/ Netherlands Economic Institute, Rotterdam. Researcher

1994 – 1995: Housing Cooperation Rotterdam. Consultant

1992 – 1993: Military Service, Cavalry. Commander Leopard II V

Selected Fields of Expertise

Monitoring and Evaluation: Dutch National Aviation Act • Multilateral Finance and Free Economic Zones in Lithuania

Policy Design: Dutch National Railway Policy • Dutch National Shipping Policy • Climate policy • Trends in port development for ASEAN • Development of an econometric model for regional integration in the Gulf region in view of establishment of the GCC • World Bank, South East Asia • Netherlands Regional Airports Policy

Master Planning: Vision 2020 for Netherlands Road Authority • The Hague Infrastructure Master Plan • National Port Master Plan for Ports of Mexico • Spatial planning of the Amsterdam Airport Schiphol Region

Design / Business Case of Infrastructure: M55 metro link Amsterdam - Almere • New Demerara Harbour Bridge, Georgetown Guyana • Lake Ferry Transport System including of Fleet and Landing Sites Lake Tana Ethiopia • Cruise / Port Facilities in Saint Lucia

Economic and Financial Analysis: Economic value of Public Transport • Valuation and prioritisation of rail traffic • Business case, cash flow and economic feasibility analysis of Road, Rail and Port Infrastructures in Cape Verde, Netherlands, Nigeria, Cote d'Ivoire, Germany, Ethiopia, Morocco, Bosnia y Herzegovina

Build and Operate of Infrastructures: Operations of national rail infrastructure • Automatic Train Operation in Belgium • Contracting and pricing of Highway Incident Management • Access charging systems in Belgium, Guyana, Netherlands • Business Case of a Rail Infrastructure Operating Company



Position

Economic researcher, director of EconoVision

Nationality

Dutch

Languages

Dutch: native speaker
English: excellent
German: good
French: excellent

Qualifications

Masters in Economics, Erasmus University Rotterdam, 1992

Key skills

Quantitative economics • investment / financial analysis and feasibility studies • modelling • pricing and tariff studies • cost efficiencies and cost benefit analysis • economic impact • evaluation and monitoring • due diligence • concessions • business cases.

Applicable on:

- Economics of infrastructure
- Logistics and railway-transport
- Ports and transport sector
- International macro- and sector policy
- Regional development
- Public transport development
- Public transport operations

Selection of Project References

- Port of Castries, Feasibility Study and Re-Design** (Saint Lucia, for Saint Lucia Air and Sea Ports Authority, 2018-2019) The project includes the technical, economic and financial project design: master plan, technical design, traffic forecasts, investment costs, cash flow analysis, cost benefit analysis, the financing options i.e. PPP) of turning a general port into a separated cruise port and a cargo port.
- Planning of National Transport Infrastructure in the Islamic Countries, Research / Publication** (Turkey-OIC, Organization of the Islamic Cooperation – COMCEC, 2017-2018) See publications.
- New Demerara Harbour Bridge, Feasibility Study and Design** (Guyana, for Ministry of Public Infrastructure of Guyana, 2017) Design of the new river crossing, including identification of location and configuration, traffic forecasts, investment costs, toll fee structure, financing options (i.e. PPP). Also including the environmental impact, the business case, cash flow analysis and the economic benefit of the proposed solutions.
- Rail Cargo Traffic, Optimizing Capacity Use** (Netherlands, ProRail, 2017) Setting up of an assessment framework and a mode of operation to prioritise between cargo trains in case of shortages in capacity on the rail infrastructure, and to incorporate this procedure in the processes of maintenance and handling of disturbances.
- Holland Rail Terminal, Feasibility and Risk Analysis** (Netherlands, Municipality of Lansingerland, 2016-2017) Feasibility study, cost benefit analysis and risk analysis for a new rail cargo terminal in the Rotterdam Region.
- Transnational Transport Corridors in the OIC Member States, Research / Publication** (Turkey-OIC, Organization of the Islamic Cooperation – COMCEC, 2016-2017) See publications.
- Architecture of Peacekeeping Missions at the 15th Venice Architecture Biennale, Research / International Exhibition** (Mali/ Italy, UN Multidimensional Integrated Stabilization Mission in Mali (MINUSMA), 2016) La Biennale di Venezia - BLUE: Architecture of UN Peacekeeping Missions at the Dutch Pavilion at the 15th Venice Architecture Biennale. Joël contributed with 'A speculative financial and socio-economic model for evaluating and enhancing international peacekeeping missions' to this research by Malkit Shoshan.
- Infrastructure Track Access Charge, Corporate Litigation** (Germany/Netherlands, Deutsche Bahn Schenker, 2016) Economic advocacy regarding railway access charges for this multinational logistics company.
- Automated driving and shunting of railway locomotives, project management** (Belgium/ Germany, Bosch Industries, Infrabel, B Logistics, 2016) Start up of SPV in view of an R&D project in automated driving.
- Mindelo Dedicated Cruise Ship Terminal, Business Case and Feasibility Analysis** (Cape Verde, Ministry of Infrastructure Transport and Telecomm / Cape Verde Port Authority, 2011-15) Maintain and Develop Cape Verde as an Attractive Cruise Destination by Investing in the Development of a Dedicated Cruise Ship Terminal and Auxiliary Facilities as Part of Cape Verde. Joël is responsible for the ex ante evaluation, including the socio economic elements of the EISA.
- Expansion and Modernization of the Lake Tana Transport Infrastructure, Business Case, Financing Plan** (Ethiopia, Ethiopia Ministry of Transport - Lake Tana Transport Enterprise, 2009-2016) Expansion and Modernization of the Lake Tana Transport Infrastructure; For the Ethiopian Ministry of Transportation Joël has set up a business plan and a financing structure of ferry services on Lake Tana. He analysed the economic and social effects (ex ante evaluation, EISA) of the expansion of ferry services on Lake Tana.
- Dry dock, Business Case** (Nigeria, Nestoil Ltd., 2014) Financing of a dry dock. For one of Nigeria's largest EPC firms, Joël has prepared a business case to make its investments bankable. With this investment Nestoil is able to streamline its docking activities and meet its objectives for safe working conditions, more competitive prices, shorter lead times, high quality craftsmanship and overall reliability in client service.
- Construction and maintenance of Rail Infrastructure, Procurement and Contracting** (Austria, Swietelsky, 2013-14) Optimising procurement contracts in construction and maintenance of rail infrastructure.
- Colleges of Excellence Company, Member of Bid Team** (Kingdom of Saudi Arabia, CINOP/Colleges of Excellence Company ("CoE"), 2013) CINOP won the concession to operate three TVET colleges (capacity 6000 students) in the Kingdom of Saudi Arabia. Joël played a key role in the Bid Team, by designing, pricing and developing the business case of the three colleges.
- Calibration of Infra Track Access Charge** (Belgium, Infrabel, 2012) Evaluation of infra charging structure and design of a new and robust tariff structure. Infrabel, the provider of rail infrastructure in Belgium has invited Joël to evaluate and improve its model for the pricing of infra charging. Joël has assessed the integral tariff structure of Infrabel. We have also laid the basis for a new and optimized tariff structure. This service has enabled Infrabel to fulfil its tasks more appropriately, efficiently and effectively.
- Heavy Rail Concession, Due Diligence** (Netherlands, Province of Gelderland / Connexxion, 2012)
- Design of Metro connection Amsterdam – Almere, Alignment and Business Case** (Netherlands, Metro operating company Amsterdam Almere, 2011) Alignment and business case study for new Metro line between Amsterdam and Almere. This project is a study to connect Almere and Amsterdam with a new metro line. Joël's role was to prepare the business case so ensure a limited claim on the PPP structured investment budgets, the financial sustainability and a socio-economic optimization. His responsibilities included the tariff structure and the maximization of total revenue.

Other skills:

Computer skills: Fully conversant with Word, Excel, PowerPoint, HTML, Dreamweaver, Mac and Microsoft surrounding, SPSS, PTV Vissim. **Language:** Diploma of Advanced Business French at Alliance Française. **Social skills:** Joël is married and has three children. He is board member at Economists for Peace and Security, board member at De Oorsprong (7 schools, primary education, 1700 children). He is the key person behind the "Economists on Peace" blog at the Institute for Economics and Peace (www.economicsandpeace.org). Joël has been living in Belgium for 10 years, and for a shorter period in Tanzania and in Ivory Coast. Additional to this he has been employed in Belgium and in Germany for several years, while keeping domicile in the Netherlands.

Key qualifications:

In 2005 Joël van der Beek established EconoVision, economic and strategic research. He has been managing the company, with a branch in India, since then. Joël van der Beek has studied Economics at the Erasmus University in Rotterdam where he specialized in development economics and international (trade) economics. Since 1994 he has worked as an economic expert with various international consultancy firms, amongst others for the Netherlands Economic Institute, where he focused on methods of economic valuation and international (applied) macro- and sector economics. During his years with Policy Research Corporation (Belgium) he has built up experience in strategic management, mainly in infrastructure, ports and transport industries. With TransCare (Germany) he has led projects in logistics and rail transportation. Joël has experience with quantitative economics, economic modelling, evaluation and impact analysis. On a regular basis Joël undertakes this type of analyses for governments and multilateral organizations and for private companies, thereby effectively translating theory into practice. He has published on various themes: transport infrastructure, climate policy and maritime economics.

Publications

Hypothesis for a Risk Cost of Carbon in Understanding risks and uncertainties in energy and climate policy, Delton B. Chen, Joël van der Beek and Jonathan Cloud, Springer December 2018;
UN Peacekeeping Missions in Urban Environments; The Legacy of UNMIL by FAST, New York University, CIC, 2018;
Planning of National Transport Infrastructure in the Islamic Countries, OIC COMCEC Coordination Office, 2018;
Improving Transnational Transport Corridors in the OIC Member Countries: Concepts and Cases, COMCEC Coordination Office, 2017;
Climate mitigation policy as a system solution: addressing the risk cost of carbon by Delton B. Chen, Joël van der Beek and Jonathan Cloud, in *Journal of Sustainable Finance & Investment*, 2017;
Base of the Future - Architecture and design thinking in Peacekeeping missions as part of the Future Force Conference 2017 The Hague, Ministry of Defence, 2017;
A speculative financial and socio-economic model for evaluating and enhancing international peacekeeping missions, in *BLUE; Architecture of Peacekeeping Missions*, Dutch contribution to 2016 Venice Biennale, 2016;
Global 4C: World Monetary Union for Climate Change Mitigation by D.B. Chen, J. Cloud, J. van der Beek, 2015;
World Currencies for Sustainability by D.B. Chen, J. van der Beek, J. Cloud, H. Jin, and A. Borrego, 2015;
The Legacy of U.N. Peacekeeping Missions; Case study: Camp Castor, Gao, Mali; Het Nieuwe Instituut, Malkit Shoshan, 2015;
Global 4C Mitigation Policy; complimentary currencies for climate change, Brisbane Australia, 2014;
Discussion paper on relationship between economics, business and peace, Institute for Economics and Peace/ Economist Intelligence Unit, 2011;
Schiphol airport location, integral survey of alternative locations in 2040, Province of North-Holland, 2008;
Fall back scenario for the Betuweroute, for Rail Cargo Information Netherlands, 2006;
An instrument to smoothen the process of spatial planning, in *Towards an effective public authority*, Atos Consulting, 2005;
Improving the methodology for the social cost benefit analysis, Railforum 2004;
Trends in trade and logistics; an East Asian perspective, World Bank 2002;
The Determinants of Economic Growth, Kluwer Academic Publishers, 2000;
ORET/MILIEV review 1994-1999, Netherlands Ministry of Foreign Affairs, Evaluation Department for development assistance, IOB-evaluations, 1999;
Palestinian Territories, IOB-evaluations, 1999;
Multilateralism and Regionalism in the Post-Uruguay Round Era: What Role for the EU?, Kluwer Academic Publishers, 1999;
The Dutch Maritime Cluster, Economic importance and structure, Delft University Press, 1999;
The Dutch Maritime Cluster, A review of Dutch policy, Delft University Press, 1999;
The Dutch Oil and Gas Sector, Delft University Press, 1998;
Globalization of Labour Markets: Challenges, Adjustment and Policy Response in the European Union and Less Developed Countries, Kluwer Academic Publishers, 1998;
External Resources for Development – With Particular Emphasis on the Role of the EU, Kluwer Academic Publishers, 1997.