

Curriculum vitae

November 2022

Personal information

First name, Surname:	Yngve Karl Frøyen		
Year of birth:	1959	Sex:	M
Nationality:	Norwegian		
Researcher unique identifier(s):	ORCID 0000-0001-7226-6447		
URL for personal website:	https://www.ntnu.edu/employees/yngve.froyen		

Education

Year	Faculty/department - University/institution - Country
1981	M.Sc. Civil Engineer (1981), Norwegian Institute of Technology (NTH), Faculty of Civil Engineering, Dept. of Urban and Regional Planning. Norway
1982	Additional education: Continuing education (postgraduate): Regional economics; analysis and planning. Dept. of Applied Economics, NTH. Norway
1985	Continuing education (postgraduate): Negotiations and mediation in planning disputes. Dept. of Urban and Regional Planning, NTH. Norway
1986	Doctorate course: Methods for environmental impact assessments. Dept. of urban and regional planning, NTH. Norway
1994	Doctorate course: Transport economics. Dept. of Transportation, NTH. Norway

Positions - current and previous

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer - Country
2012-	Professor Urban and regional planning – Dept. of Architecture and planning – NTNU Norwegian University of Science and Technology, Trondheim
2006-2012	Professor II (adjunct professor) – Dept. of urban design and planning - NTNU Norwegian University of Science and Technology, Trondheim. Part time (20%) 2006-2010, full time (100 %) 2010-2012
2005-2010	Asplan Viak. Position: Planner, consultant, senior adviser. (2005-2008: Office manager).
2002-2005	The Foundation for Scientific and Industrial Research in Norway (SINTEF), dept. of Transport safety and informatics. Position: Research scientist.
1998-2002	Asplan Viak. Position: Planner, consultant. Civil engineer.
1997-1998	Ministry of Planning and International Cooperation, Palestine (MOPIC). Position: Planning adviser, West Bank and Gaza, Palestinian territories.

1988-1997	Asplan Viak. Position: Planner, civil engineer. (Between 1988-1993: 50% position, between 1993-1997: 100% position).
1988-1993	Norwegian Institute of Technology (NTH); Dept. of Urban and regional planning. Position: Assistant professor. (Part time/50% position)
1982-1987	Norwegian Institute of Urban and Regional research (NIBR). Position: Research scientist.

Project management experience

(Larger projects within *academic sector/research institutes/industrial sector/public sector/other*)

Year	Project owner - Project - Role - Funder
2009-10	The Sør-Trøndelag and Nord-Trøndelag counties: Development of a revised model for fare collection in public transport, directed towards electronic fare collection.
2007	The Public Roads Administration: Revised modelling of toll road E6 Highway east of Trondheim, with new collection schemes and toll plaza localizations.
1998-2005	The Sør-Trøndelag County and "Trafikanten Midt-Norge". Project co-ordinator for establishing electronic fare collection on all public transport in Sør-Trøndelag and Nord-Trøndelag Counties. Funded by the counties and the public transit operators.
1998-2000	The Public Roads Administration: Development of GIS tools for Public Transport planning.
1994-95	Norwegian State Railways: Passenger traffic prognosis for high speed railway Oslo - Trondheim, including extension of the Rauma-banen railway to Ålesund.
1990-91	The Public Roads Administration: Modelling car driver responses to route tolls.
1987-88	The Flora municipality: Establishment of an on-shore operation management organization for the Snorre oil-field in Florø. Local social and economic impacts. (NIBR).

Supervision of students

(Total number of students – as of today)

Master's students	Ph.D. students	University/institution - Country
93	7	Dept. of Architecture and planning – NTNU Norwegian University of Science and Technology, Norway

Teaching – current and previous courses

Current courses: <https://www.ntnu.edu/employees/yngve.froyen>

Previous courses (master level, NTNU):

Year	Course
1988-92	EDB I fysisk planlegging (Computing methods for physical planning)

2007 - 2010	AAR4720 IKT i byplanlegging. (ICT in urban planning)
2014-2016	AAR4934 Metoder i oversiktsplanlegging (Methods for regional and municipal planning)
2010-2016	AAR5260 GIS in urban planning
2016-2019	AAR5290 Digital mapping
2014-15	AAR6038 Bicycle planning
2016-2020	BA6066 Kollektivtransport (Public transport)

Track record

Total *number* of publications during the career: More than 300, including research reports, consultant reports, articles, conference presentations.

Recent publications in national or international peer-reviewed journals, or books and book chapters:

- Petersen, Tanja Kofod; Frøyen, Yngve Karl et.al. (2022): Urbanization and land-cover change affect functional, but not compositional turnover of bird communities. Urban Ecosystems 2022.
<https://doi.org/10.1007/s11252-022-01258-z>
- Frøyen, Yngve Karl; Saha, Kakoli (2021): Learning GIS Using Open Source Software. An Applied Guide for Geo-spatial Analysis. Taylor & Francis 2021 (ISBN 9781000478679) 240 p. NTNU
- Saha, Kakoli; Frøyen, Yngve Karl (2021): An automated approach to facilitate rooftop solar PV installation in smart cities: A comparative study between Bhopal, India and Trondheim, Norway. In: Geospatial Technology and Smart Cities. Springer Nature 2021 ISBN 978-3-030-71944-9. p. 75-92
- Pritchard, Ray; Bucher, Dominik; Frøyen, Yngve Karl. (2019) Does new bicycle infrastructure result in new or rerouted bicyclists? A longitudinal GPS study in Oslo. Journal of Transport Geography. vol. 77.
- Pritchard, Ray; Frøyen, Yngve Karl. (2019) Location, location, relocation: how the relocation of offices from suburbs to the inner-city impacts commuting on foot and by bike. European Transport Research Review. vol. 11 (14).
- Pritchard, Ray; Frøyen, Yngve Karl; Snizek, Bernhard. (2019) Bicycle Level of Service for Route Choice—A GIS Evaluation of Four Existing Indicators with Empirical Data. ISPRS International Journal of Geo-Information. vol. 8 (5).
- Hernandez-Palacio, Fabio Alberto; Scherzer, Sabrina; Frøyen, Yngve Karl. (2018) The Value of Urban Density. Journal of Land Use, Mobility and Environment. vol. 11 (2).

Other outputs of relevance; non-peer-reviewed publications: Excerpts listed in

<https://www.ntnu.edu/employees/yngve.froyen> also with a link to publications database CRISTIN.