CV for Rolf André Bohne, August 2017.

Business Address: Department of Civil and Environmental Engineering

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Age, nationality: 49 years, married, father to Tirill (2003) and Edvard (2005), Norwegian.

Professional experience:

2016- to date	Professor at Department of Civil and Environmental Engineering - Research group on
	Building and Construction Engineering, the Norwegian University of Science and Technology,
	NTNU.
2015- 2016	Visiting Scholar at UC Berkeley, Department of Civil and Environmental Engineering.
2010- 2015	Head of research group. From 2010 - 2012, head of the research group on Building and
	Material technology. From 2012 – 2015, head of the new (merged) research group on Building
	and Construction Engineering.
2008- 2016	Associate professor at Department of Civil and Transport Engineering - Research group on
	Building and Construction Engineering, the Norwegian University of Science and Technology,
	NTNU.
2005 - 2008.	Postdoctoral fellow at Department of Civil and Transport Engineering - Group of Building and
	Material Technology, and NTNUs Industrial Ecology Programme, the Norwegian University
	of Science and Technology, NTNU.
2005	Researcher at Department of Hydraulic and Environmental Engineering, and Industrial
	Ecology Programme, NTNU.
1997 - 1999	Assistant professor. With the responsibility of the implementation and coordination of
	education in the five semesters PBL-string (Problem Based Learning) in civil engineering at
	the Faulty of Civil and Environmental engineering. The Norwegian University of Science and
	Technology, NTNU.
1994 - 1997	Researcher in Environmental Engineering, Department of Hydraulic and Environmental
	Engineering, the Norwegian University of Science and Technology, NTNU.
1993	Compulsory military service, as a research scientist at the Norwegian Defence Microbiological
	Laboratory, HQ-Defence Command Norway.

Education:

PhD in industrial ecology. Department of Hydraulic an Environmental Engineering, and
Industrial Ecology Programme, the Norwegian University of Science and Technology, NTNU.
Thesis title:" Eco-efficiency and performance strategies in construction and demolition waste
recycling systems."
Seminar on Practical Didactics (Ped.Sem.) and Seminar on Resource Management and
Environmental Protection, University of Bergen.
Cand. Scient. (M.Sc) in Microbiology, Department of Microbiology and Plant physiology,
University of Bergen.

Research projects:

2016- to date	ELinGO
2016- to date	High Per-NIM
2015- to date	Roller Concrete Roads
2015- to date	Ferry Free E39
2014- 2014	Fremskrivning av BA-Avafall i Oslo
2010- 2013	Framtre
2011- 2012	Brøset
2009- 2012	Sustainable Infrastructure

PhD students

I IID students	
2015- to date	Gaylord Kabongo Booto. Working title: "The effects of Geometric Design, Surface
	Characteristics and Vehicle Technology on the Environmental Impacts of Big Infrastructure
	Projects". Supervisor. NTNU
2015- to date	Hrefna Run Vignisdottir. Working title: "LCA and Sustainable thinking in maintenance and
	operation in large infrastructure projects". Supervisor. NTNU
2014- to date	Babak E. Ebrahimi. Working title: "Environmental and Economic Assessment of Norwegian
	Roads". Co-supervisor. Chalmers University of Technology, Sweden
2010- 2016	James Kallaos . Thesis title: "Energy use and emissions – developing an indicator framework
	applicable to the built environment". Supervisor. NTNU 2016:233

PhD oppositions and committee work

- **Javier Macias Rico**, December 8th 2016. Dept. of Civil and Transport Engineering, Faculty of Engineering Science and Technology, NTNU. Administrator of the committee and 3rd opponent. Thesis title: "*Hard Rock Tunnel Boring: Performance predictions and cutter life assessments.*"
- **Sofiia Miliutenko**, April 22nd 2016. Dept. Sustainable Development, Environmental Science and Engineering Div. Environmental Strategies Research KTH Sweden. Opponent. Thesis title: "Life cycle consideration in road infrastructure construction and planning".
- **Thomas Haavi,** September 12th 2014. Dep. Architectural Design, History and Technology, Faculty of Architecture and Fine Art, NTNU. 3rd opponent. Thesis title: "Zero Emission Building Envelopes. The Effect of Insulation and Thermal Mass on Greenhouse Gas Emissions".
- **Anders-Johan Almås.** August 22nd 2013. Dept. of Civil and Transport Engineering, Faculty of Engineering Science and Technology, NTNU. Administrator of the committee and 3rd opponent. Thesis title: "Climate adaptation and mitigation in the building sector: towards a sustainable built environment".

Peer reviewed journal articles:

- **Bernardi, E., S. Carlucci, C. Cornaro and R.A.** 2017. An Analysis of the Most Adopted Rating Systems for Assessing the Environmental Impact of Buildings. Sustainability; 9, 1226; doi:10.3390/su9071226
- **Bohne R.A., L. Huang and J. Lohne.** 2016. An overview on the global residential Building Energy Consumption in the Eight Climate Zones. International Journal of Sustainable Building Technology and Urban Development. DOI:10.1080/2093761X.2016.1167642
- Nesteby, Å.I., M.E. Aarrestad, J. Lohne and R.A. Bohne. 2016. Integration of BREEAM-NOR in construction projects: Utilizing the Last Planner System.. Energy Procedia 96 (2016) 100 111. doi: 10.1016/j.egypro.2016.09.110
- **Resch, E., J. Lohne, T. Kvamsdal and R.A. Bohne**. 2016. Impact of urban density and building height on energy use in cities. Energy Procedia 96 (2016) 800 814. doi: 10.1016/j.egypro.2016.09.142
- **Skullestad, J.K., J. Lohne and R.A. Bohne**. 2016. High-Rise Timber Buildings as a Climate Change Mitigation Measure A Comparative LCA of Structural System Alternatives. Energy Procedia 96 (2016) 112 123. doi: 10.1016/j.egypro.2016.09.112
- **Kaspersen, B., J. Lohne and R.A. Bohne.** 2016. Exploring the CO2-Impact for Building Height; A Study on Technical Building Installations. Energy Procedia 96 (2016) 5 16. doi: 10.1016/j.egypro.2016.09.089
- **Bohne, R.A., O.J. Klakegg and O. Lædre.** 2015. Evaluating sustainability of building projects in urban planning. Procedia Economics and Finance 21 (2015) 306–312 doi: 10.1016/S2212-5671(15)00181-1

- **Huang, L., R.A. Bohne and J. Lohne.** 2015. Shelter and residential building energy consumption within the 450 ppm CO2eq constraints in different climate zones. Energy. doi:10.1016/j.energy.2015.07.129
- **Huang, L., R.A. Bohne, A. Bruland, P.D. Jakobsen and J. Lohne**. 2015. Life cycle assessment of Norwegian road tunnel. *JLCA*. Vol.20:2, pp 174-184. DOI: 10.1007/s11367-014-0823-1.
- **Huang, L., R.A. Bohne, A. Bruland and P.D. Jakobsen**. 2015. Environmental impact of drill and blast tunnelling: Life Cycle Assessment. *Journal of Cleaner Production*. Vol 86, pp. 110-117. DOI: 10.1016/j.jclepro.2014.08.083
- **Lædre, O., T. Haavaldsen, R.A. Bohne, J. Kallaos and J. Lohne**. 2014. Determining Sustainability Impact Assessment Indicators. *IAPA*. DOI: 10.1080/14615517.2014.981037
- **Kallaos, J., R.A. Bohne, R., and P.J. Hovde.** 2014. Long-Term Performance of Rigid Plastic Foam Building Insulation. J. Mater. Civ. Eng., 26(2), 374–378. DOI: 10.1061/(ASCE)MT.1943-5533.0000817.
- **Kallaos, J. and R.A. Bohne.** 2013. Green residential building tools and efficiency metrics. *Journal of Green Buildings*, Vol. 8:3, pp. 125-133.
- **Bohne, R.A., L. Huang and A. Wyckmans.** 2013. Comparison of Residential Energy Consumption in Different Geographical Areas and Relevance for Environmental Policy. Journal of Civil Engineering and Architecture, Vol. 7.(6) s. 686-692. ISSN 1934-7359, USA
- **Huang, L. and R.A. Bohne.** 2012. Embodied air emissions in Norway's construction sector: input-output analysis. *Building Research & Information* 40:5, 581–591. DOI: 10.1080/09613218.2012.711993
- **Bohne, R.A., H. Brattebø and H. Bergsdal.** 2008. "Dynamic Eco-Efficiency Projections for Construction and Demolition Waste Recycling Strategies at the City Level". *Journal of Industrial Ecology Vol.* 12:1, 52-68. DOI: 10.1111/j.1530-9290.2008.00013.x
- **Bergsdal, H., H. Brattebø, R.A. Bohne and D. Müller**. 2007. Dynamic material flow analysis for Norway's dwelling stock. *Building Research & Information* 35:5, 557 570. DOI: 10.1080/09613210701287588
- **Bergsdal, H., R.A. Bohne and H. Brattebø.** 2007. "Projection of Construction and Demolition Waste in Norway". *Journal of Industrial Ecology Vol.* 11:3, 27-39. DOI: 10.1162/jiec.2007.1149
- Melin, Esa S., R.A. Bohne, F. Sjøvold and H. Ødegaard. 2000. Treatment of ozonated water in biofilters containing different media. *Water Science and Technology*. Vol 41. No. 4-5, pp 57-60
- **Thingstad, T.F., E.F. Skjoldal and R.A. Bohne.** 1993. Phosphorus cycling and algal-bacterial competition in Sandsfjord, western Norway. *Mar. Ecol. Prog. Ser.* Vol. 99: 239-259.

Chapters in books

- **Wyckmans, A. and R.A Bohne.** 2014. "Integrated Energy.Design". In E. Støa, S. Larssæther and A. Wyckmans (eds): "Utopia Revisited. Towards a Carbon-Neutral Neighborhood at Brøset", Publisher: Fagbokforlaget Vigmostad & Bjørke AS, pp.283-303. ISBN: 987-82-450-1725-0
- **Solli C. and R.A Bohne.** 2014. "Carbon-Neutral Settlements The Operationalization of a Vision". In E. Støa, S. Larssæther and A. Wyckmans (eds): "Utopia Revisited. Towards a Carbon-Neutral Neighborhood at Brøset", Publisher: Fagbokforlaget Vigmostad & Bjørke AS, pp.89-108. ISBN: 987-82-450-1725-0
- **Bohne, R.A.** 2007. "Sustainable Infrastructure. What it is and why it is important." In United Nations Economic and Social Commission for Asia and the Pacific, 2006. Sustainable Infrastructure in Asia: Overview and Proceedings, Seoul Initiative Policy Forum on Sustainable Infrastructure Seoul, Republic of Korea, 6-8 September 2006. Bangkok: UNESCAP. ISBN: 978-92-1-120507-7

Peer reviewed conference proceedings:

- **Bohne, R.A., B. Kaspersen, J.L. Skullestad and E. Ytrehus.** 2017. Embodied Energy Versus Building Height, The "Premium" of Building Tall. Proceedings World Sustainable Built Environment Conference 2017, Hong Kong. Track 8, pp. 1992-1997. ISBN 978-988-77943-0-1
- Booto, G.K., R.A. Bohne, H. Vignisdottir, K. Pitera, G. Marinelli, H. Brattebø, H. Wallbaum and B. Ebrahimi. 2017. The effect of highway geometry on fuel consumption of heavy-duty vehicles operating in eco-driving mode. The 10th International Conference on the Bearing Capacity of Roads, Railways and Airfields (BCRRA 2017). DOI: 10.1201/9781315100333-308
- **Vignisdottir, H.R., G. K. Booto, R.A. Bohne, B. Ebrahimi, H. Brattebø and H. Wallbaum.** 2016. Life Cycle assessment of Anti- and De-icing Operations in Norway. CIB World Building Congress 2016. Volume IV, pp.441-454. Tampere, Finland, May 31st- June 4th 2016.
- **Ebrahimi, B., H. Wallbaum, H. Brattebø, H.R. Vignisdottir, R.A. Bohne and G. K. Booto.** 2016. Environmental Life Cycle Assessment (LCA) of Road Pavements: Comparing the Quality and Point of Application of Existing Software Tools on the basis of a Norwegian Case Study. Proceedings of the CIB World Building Congress 2016. Volume V, pp.749-760. Tampere, Finland, May 31st- June 4th 2016.

- **Huang, L., Bohne, R.A., Liu, Y.** 2014. Effect of urbanization on Chinese residential building energy consumption: Evidence from yangtze river basin. Energy Education Science and Technology Part A: Energy Science and Research 32 (5), pp.4125
- **Huang, L., Bohne, R.A., Liu, Y.** 2014. Residential energy consumption and CO2 emission in Chongqing, China. Energy Education Science and Technology Part A: Energy Science and Research 32 (5), pp.4143
- **Huang, L. and R.A. Bohne**. 2014. PM2.5 emission of urban dwellings in China: Case study from Fuzhou. Word Sustainable Building 2014. October 28th -30th 2014 Barcelona, Spain.
- **Fufa, S.M, R.A. Bohne**. 2014. Environmental impact assessment of fire retardant treated wood used in exterior claddings. XIII DBMC, September 2nd 5th 2014 São Paulo, Brasil,
- **Wallbaum, H., M. Hoseini and R.A. Bohne.** 2014. E39 A coastal highway in Norway. Brenner Congress 2014. February 20th 21st Innsbruck, Austria,
- **Bohne, R.A. and A. Wyckmans.** 2013. Norwegian Smart Cities Towards cross-scale indicators. SB13 Graz Sustainable Buildings, Construction Products & Technologies; 2013-09-25 2013-09-28
- **Huang, L., R.A. Bohne, A. Bruland and P.D. Jakobsen**. 2013. Life cycle assessment of Norwegian Standard road tunnel. The 6th international conference on Life cycle management; 2013-08-25 2013-08-29
- **Fufa, S.M., B.P. Jelle, R.A. Bohne and C. Grossrieder**. 2013. LCA of Nano-Coated Wooden Claddings Utilizing Accelerated Ageing Test Results. I: 7th Nordic Conference on Construction Economics and Organisation, Trondheim, June 12-14, 2013. Akademika forlag 2013 ISBN 978-82-321-0273-0. s. 102-110
- **Bohne, R.A. and L. Huang.** 2012. Life cycle assessment of dwelling sector in Norway. Proceedings EcoBalance 2012, Yokohama, Japan, 20th 23rd November 2012.
- **Huang, L. and R.A. Bohne.** 2012. Embodied energy of construction sector in Norway: The input-output analysis. Proceedings EcoBalance 2012, Yokohama, Japan, $20^{th} 23^{rd}$ November 2012.
- **Bohne, R.A., L. Huang and A. Wychmans.** 2012. Cultural and historic values in sustainability assessment. Comparison of residential energy consumption in different geographical areas, and relevance for environmental policy. Proceedings SASBE 2012, Sao Paulo, Brazil, 27th 30th June 2012.
- **Wychmans. A. and R.A. Bohne.** 2012. Cross-scale indicators for the indirect impact of the built environment on sustainable lifestyles. The case of Brøset, Trondheim, Norway. Proceedings SASBE 2012, Sao Paulo, Brazil, 27th 30th June 2012.
- **Huang, L., R.A. Bohne and P.J Hovde.** 2011. The embodied air emissions of the construction sector in Norway: The input-output analysis. Proceedings Sustainable Building 2011, Helsinki, Finland, 18th -21st October 2011. *Paper selected for publication in a special number of Building Research & Information*.
- **Bohne, R.A. and A. Wychmans.** 2011. Parallel commissioning. A new way of planning for a sustainable settlement –The case of Brøset, Trondheim (Norway). Proceedings Sustainable Building 2011, Helsinki, Finland, 18th -21st October 2011.
- **Bohne, R.A. and C. Soli.** 2011. How to measure environmental impact in the planning phase of a settlement the case of Brøset, Trondheim (Norway). Proceedings Sustainable Building 2011, Helsinki, Finland, 18th -21st October 2011.
- **Solli, C., R.A. Bohne and H. Nersund Larsen.** 2011. Inspiring, informing, and influencing sustainable urban planning processes through consumption based emissions inventories. The 5th international conference on Life cycle management. Berlin. Germany, 28-31 August 2011.
- **Huang, L., R.A. Bohne and P.J Hovde** . 2011. Effect of urbanization on Chinese residential building energy consumption: a comparative study of the Yangtze River basin. Proceedings XII DBMC, Porto, Portugal 12th-15th April 2011.
- **Bohne, R.A., A. Wychmans, J.Thomsen and E. Støa.** 2010. Towards a carbon neutral settlement in Norway. Science in action the case of Brøset, Trondheim. Presentation at at Central Europe towards Sustainable Building 2010, Praque, Czech Republic 30th June 2nd July 2010.
- **Bohne, R.A.** "Brøset: towards a climate neutral housing settlement in Trondheim, Norway". Presentation at 4th International Conference on Life Cycle Management, Cape Town, South Africa, September 6th-9th 2009.
- **Bohne, R.A., C. Solli and H.Bergsdal.** 2009. "What does 'climate neutral' really mean, and what are the implications for sustainable development?". Presentation at 4th International Conference on Life Cycle Management, Cape Town, South Africa, September 6th-9th 2009.
- **Bohne, R.A., A. Hammer Strømman and R. Aalstad.** 2007. "MFA and hybrid-LCA as tools for the estimating of environmental impact from, and comparison of project alternatives in construction projects". Presentation at 3rd International Conference on Life Cycle Management, Zürich, Switzerland, August 27th to 29th, 2007.

- **Bohne, R.A., H. Brattebø, H. Bergsdal and P.J. Hovde.** 2006." Estimation of the Service Life of Residential Buildings, and Building Components, in Norway." Proceedings The City Surface of Tomorrow. June 8-9, 2006, Vienna, Austria. ISBN: 3-902338-98-9
- **Bohne, R.A and H. Brattebø.** 2003. "Eco-efficiency in Norwegian C&D waste recycling systems". Proceedings ILCEDES 2003 (Integrated Lifetime Engineering of Buildings and Civil Infrastructure). December 1st-3rd, 2003, Kuopio, Finland.
- **Bohne, R.A and H. Brattebø.** 2002. Future C&D waste recycling in Norway Learning from Danish experience? Proceedings Sustainable Building, Oslo 22nd-24th September 2002.
- Melin, Esa S., R.A. Bohne, F. Sjøvold and H. Ødegaard. 1999. Treatment of ozonated water in biofilters containing different media. *Proceedings IAWQ Conference on Biofilm Systems*. New York, USA 17th.-20th. October 1999

Technical reports

- Vignisdottir, H.R., R.A, Bohne, H. Bergsdal, E. Wærner, H. Jentoft og A. Dalen. 2015. "Projection of Waste Amounts from the Building Activities in Oslo". Project report prepared for Oslo kommune September 2015.
- Dahlstrøm, O., R.A. Bohne, H. Kjerkol, H. Fjeldheim, K.S. Fredriksen, R. Sve, P.E. Svendsrud and N.P. Borvik. 2014. "Anbefalte retningslinjer for utarbeidelse av miljøbudsjett og miljøregnskap for tunneler". Norsk Forening for Fjellsprengningsteknikk NFF. Oslo, Norway. ISBN 978-82-92641-33-0) 62 p
- Kristjansdottir T., H. Fjeldheim, E. Selvig, B. Risholt, B. Time, L. Georges, T.H. Dokka, J. Bourelle, R.A. Bohne and Z. Cervenka. 2014. "A Norwegian ZEB-definition embodied emission". ZEB Project report 17 2014. SINTEF Academic Press. ISBN 978-82-536-1399-4
- Kallaos, J., A. Wyckmans, G. Mainguy, L. Houssin, G. Valentis, F.F. Ferrara, B. Hezel, E. Broschkowski, A. Westerlind-Wigström, R.A. Bohne, F. Pacheco. 2014 Synthesis review on resilient architecture and infrastructure indicators. WP 2: Taxonomy of architecture and infrastructure indicators. Deliverable 2.1. European Community Seventh Framework Programme RAMSES Reconciling Adaptation, Mitigation and Sustainable Development for Cities.
- **Bohne, R.A. and E.R. Wærner**. 2014 "Barriers for Deconstruction and Reuse/Recycling of Construction Materials in Norway". In S. Nakajima and M. Russel eds.: "Barriers for Deconstruction and Reuse/Recycling of Construction Materials". CIB Publication 397. ISBN 978-90-6363-085-0
- **Solli C., H. Bergsdal and R.A Bohne.** 2010. Klimanøytrale boformer på Brøset. Arbeidsnotat om klimautslipp og klimanøytralitet. MiSA REPORT NO. 5/2010.
- **Bohne, R.A. and A. Strømman.** 2008. "Miljøvurderinger av utvalgte prosjekter ved Statsbygg Fornebu" Project report prepared for Stastbygg July 2008.
- **Bohne, R.A., H. Brattebø and H. Bergsdal.** 2007. "Avfall og mengdefremskrivninger" [Waste production and predictions of future waste productions] in "Nasjonal handlingsplan for bygge og anleggsavfall 2007-2012" [National Action plan for construction and demolition waste 2007 2012]. NHP-nettverket.

Invited speeches:

- **Bohne, R.A. 2016.** "Helse- og miljøfarlige stoffer. Hva er farlige stoffer? Forskriftskrav og HMS". At NBEF (Norges Bygg- og Eiendomsforening) "Vedlikehold av bygninger tilstandsanalyse, verktøy, planlegging og rapportering". Oslo 8. 9. november 2016.
- **Wærner, E. and R.A. Bohne 2013**. "Byggavfallsmengder i dag og i 2020, samt noen forslag til tiltak for å oppfylle EUs krav om 70% materialgjenvinning i 2020". Byggeavfallskonferansen 2013. Oslo, January 31st 1st February 2013.
- **Bohne, R.A. 2009.** "Byggenæringens klimautfordringer". At Tre-Miljø-Byggeri, Bygg Reis Deg 2009, Lillestrøm 22nd September 2009.
- **Bohne**, **R.A. 2009.** "Bærekraft og livsløpsanalyser hva er det, og hvorfor er det viktig?" At Underland, NLAs (Norwegian Landscape Architects) Nordic congress, Oslo13th March 2009.
- **Bohne**, **RA. 2009.** "Bygge- og riveaktiviteten i fremtiden Hvilke avfallstyper og -mengder får vi?" Byggeavfallskonferansen 2009. Oslo 28th 29th January 2009.
- **Bohne, R.A. 2006.** "Miljøregnskap ved stedlig løsning kontra langtransport til deponi". At Miljøringens temamøte: "Forurensede masser i Oslo og andre større byer Videre utfordringer ved tiltaksprioriteringer, bruk av aktsomhetskart og disponering av lettere og middels forurensede masser", Oslo, 9th -10th November 2006.
- **Bohne**, **R.A. 2006.** "Sustainable infrastructure. What it is and why it is important." At United Nations Economic and Social Commission for Asia and the Pacific, 2007. Sustainable Infrastructure in Asia, Seoul

- Initiative Policy Forum on Sustainable Infrastructure Seoul, Republic of Korea, 6th -8th September 2006. Bangkok: UNESCAP.
- **Bohne, R.A., H. Brattebø and H. Bergsdal. 2006.** "Fremskrivning av materialbehov og avfallsmengder fra BAE-næringen. Hvordan kan vi forvente oss at mengder og sammensetning av vil endre seg?" At Nasjonal handlingsplan for bygge- og anleggsavfal 2006 på'n igjen! Oslo 10th May 2006.

Peer reviewed conference presentations:

- **Bohne, R.A and L. Huang.** 2013. The Sustainable City: a new framework of cross-scale assessing. The 7th Biennial ISIE Conference; June 25th 28th 2013, Ulsan South-Korea.
- **Huang, L., R.A. Bohne, A. Bruland and P.D. Jakobsen.** 2013. Dynamic Life Cycle Assessment of Norwegian Road Network towards 2050. The 7th Biennial ISIE Conference; June 25th 28th 2013, Ulsan South-Korea
- **Bohne, R.A and C. Solli.** 2013. How to estimate environmental impact in the planning phase of a settlement. The case of Brøset, Trondheim. The 7th Biennial ISIE Conference; June 25th 28th 2013, Ulsan South-Korea.
- **Bohne, R.A and A. Wyckmans.** 2013. Parallel commissioning. A new way of planning for a sustainable settlement. The case of Brøset, Trondheim (Norway). The 7th Biennial ISIE Conference; June 25th 28th 2013, Ulsan South-Korea.
- **Bohne, R.A., H. Brattebø and H. Bergsdal.** 2007 "MFA as a tool in policymaking processes Experience from the revision of Norway's National Action Plan for Construction and Demolition Waste". Presentation at Industrial Ecology for a sustainable future, Toronto, Canada, 17th– 20th June 2007.
- **Bergsdal, H., H. Brattebø, R.A. Bohne, C. Solli and A. Hammer Strømman.** 2007." Combining dynamic MFA and IO-LCA in studies of material and energy flows in the built environment". Presentation at Industrial Ecology for a sustainable future, Toronto, Canada, 17th— 20th June 2007.
- **Bergsdal, H., H. Brattebø, R.A. Bohne and D. Müller.** 2007." Industrial Ecology Improves the Understanding of Dynamics in Future C&D Waste Management Systems". Presentation at Industrial Ecology for a sustainable future, Toronto, Canada, 17th 20th June 2007.
- **Bohne, R.A., H. Bergsdal, H. Brattebø and N. Holck-Steen.** 2007. "Dynamic eco-efficiency for analyzing sustainable housing." Presentation at Industrial Ecology for a sustainable future, Toronto, Canada, 17th–20th June 2007.
- Brattebø, H., N. Holck-Steen, H. Bergsdal, R.A. Bohne and D. Müller. 2007." Dynamic Life Cycle Energy Flow Analysis of Residential Building Systems Contributions to Regional Metabolism in Norway from 1960 to 2040". Presentation at Industrial Ecology for a sustainable future, Toronto, Canada, 17th–20th June 2007
- **Bohne, R.A., H. Brattebø, H. Bergsdal and P.J. Hovde.** 2006." Dynamic eco-efficiency analysis for energy inflows to the Norwegian dwelling system during 1960-2000." Presentation at The 2nd International Conference on Quantified Eco-Efficiency Analysis for Sustainability. June 28-30, 2006, Egmond aan Zee, the Netherlands.
- **Bohne, R.A., P.J. Hovde, T. Sager and E. Holden.** 2006." The development in eco-efficiency of personal mobility in Norway." Presentation at The 2nd International Conference on Quantified Eco-Efficiency Analysis for Sustainability. June 28-30, 2006, Egmond aan Zee, the Netherlands.
- Battebø, H., H. Bergsdal, R.A. Bohne and D. Müller. 2005. "Industrial Ecology Tools for the Built Environment Part 2: Analysis of Environmental and Economic Impact of Technology and Metabolism in the Norwegian Built Environment". Presented at Industrial Ecology for a sustainable future, Stockholm, 12th June 15th June 2005
- **Bohne. R.A., A. Eik, F. Melum, O. Michelsen, S. Støren, C. Boks, J. Huisman and A. Stevels.** 2004 "Dynamic Eco-efficiency definitions for Environmental Value Chains". The 1st International Eco-Efficiency Conference; "Eco-Efficiency for Sustainability Quantified methods for decision making". April 1-3, 2004, Leiden, the Netherlands.
- **Bohne. R.A and A. Stevels.** 2004. "How to measure societal benefits and Eco-Efficiency for recycling systems". The 1st International Eco-Efficiency Conference; "Eco-Efficiency for Sustainability Quantified methods for decision making". April 1-3, 2004, Leiden, the Netherlands.
- **Bohne, R.A., H. Bergsdal and H. Brattebo.** 2004 "A consistent framework for the evaluation of strategies for recycling of C&D waste, based on Eco-Efficiency". The 1st International Eco-Efficiency Conference; "Eco-Efficiency for Sustainability Quantified methods for decision making". April 1-3, 2004, Leiden, the Netherlands.
- **Bohne**, **R.A. and H. Opoku.** 2003. Recycling C&D waste in Copenhagen An impact analysis. Presented at Industrial Ecology for a sustainable future, Ann Arbor (MI) USA, 29th June 2nd July 2003

Other publications

- **Bohne, R.A., A. Wychmans, J. Thomsen and E. Støa.** 2010. Parallel commissioning. A new way of planning sustainable settlements. Poster at at Central Europe towards Sustainable Building 2010, Praque, Czech Republic 30th June 2nd July 2010.
- **Bohne, R.A**. 2007. "Lifetime estimates for residential buildings in Norway". Presentation at international workshop on "Analyzing Stocks and Flows of the Urban Built Environment" arranged by Department of hydraulic and environmental engineering, NTNU. Orkanger, Norway, 11-13-October 2007.
- **Bergsdal, H., H. Brattebø, I. Sartori, D. Müller and R.A. Bohne.** 2007. "Modeling strategies of C&D activities and materials in Norway's residential building stock". Presentation at international workshop on "Analyzing Stocks and Flows of the Urban Built Environment" arranged by Department of hydraulic and environmental engineering, NTNU. Orkanger, Norway, 11th-13th October 2007.
- **Bohne, R.A.** "Overslag over miljøbelastninger for ulike alternativer for sanering av fyllplass på Slettebakken" Report prepared for the Municipallity of Bergen Norway, May 31st 2007.
- **Bergsdal, H., H. Brattebø, R.A. Bohne and D. Müller**. 2006. "A dynamic MFA-approach to modeling future C&D waste management and material supply systems in Norway". Presentation at ConAccount Meeting, Vienna, Austria. 13th 14th September, 2006.
- Bergsdal, H., H. Brattebø, R.A. Bohne, M. Johansen, D. Müller. 2006."Eco-Efficiency and Energy Flows in Building Systems The role of System Dynamics". Poster at The 2nd International Conference on Quantified Eco-Efficiency Analysis for Sustainability. June 28-30, 2006, Egmond aan Zee, the Netherlands.
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Reviews

I am acting as reviewer for the following scientific journals:

- Journal of Life Cycle Assessment, JLCA ISSN 0948-3349
- Journal of Industrial Ecology, JIE ISSN 1530-9290
- Building Research and Information., BRI ISSN 0961-3218
- Journal of Cleaner Production, jclepro ISSN: 0959-6526
- Buildings, Buildings ISSN 2075-5309
- Energy and Buildings ISSN: 0378-7788
- Civil Engineering and Environmental Systems, Civ.Eng.Environ.Syst. ISSN: 1028-6608

I am acting as reviewer for new COST actions. COST is the longest-running European framework supporting trans-national cooperation among researchers, engineers and scholars across Europe. http://www.cost.eu/

Organizations:

- Member of International Initiative for a Sustainable Built Environment (iiSBE)
- Member of the International Society for Industrial Ecology (ISIE)
- Member of the CIB W098 "Intelligent and Responsive Buildings"
- Member of the CIB W115 "Construction Materials Stewardship"
- Member of the CIB W116 "Smart and Sustainable Built Environments"