

Curriculum



Ton van Harreveld
Founder & Chief Innovation
Officer of Odournet

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Professional Experience

34 Years

Education

MSc in Environmental Engineering at the University of Wageningen, The Netherlands

Renowned Odour Expert

Ton van Harreveld is founder of the Odournet group of companies. He is an internationally renowned expert and has played a major role in developing standardised methods for odour assessment.

Key Areas of Expertise

- Extensive experience in all phases of odour studies across all sectors of industry all around the world
- Detailed knowledge of worldwide odour policy & regulations
- Convenor of CEN standardization working group TC264/WG2 'Olfactometry', which drafted the EN13725 standard
- Active member in various other working groups for standardisation of olfactometry
- Regular keynote speaker at international conferences
- Author of scientific papers on sensory science
- Strategic advice on environmental policy on governmental and corporate level
- Innovation and business development

Reference Clients

- Ministerio de Medio Ambiente (Chile)
- Environment Agency (United Kingdom)
- Dir. Medi Ambient de la Generalitat de Catalunya
- Dutch Ministry of Public Health and Environment
- Netherlands Standardisation Institute
- Thames Water
- Area Metropolitana de Barcelona
- CEN Committee Européen de Normalisation
- Nestlé Purina
- and many other public and corporate institutions

Key Skills

Leadership in technology & business development	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Knowledge management & quality management	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
International business development, M&As	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Good mediation skills in conflict situations	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Networking with potential clients and key players	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Confident & inspiring public speaker (multilingual)	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Media communications	<div style="width: 75%; height: 10px; background-color: #76b82a;"></div>
Directing & inspiring teams	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>
Deriving knowledge from data	<div style="width: 100%; height: 10px; background-color: #76b82a;"></div>

Languages

Dutch	<div style="width: 100%; height: 10px; background-color: #f1c40f;"></div>
English	<div style="width: 100%; height: 10px; background-color: #f1c40f;"></div>
French	<div style="width: 75%; height: 10px; background-color: #f1c40f;"></div>
German	<div style="width: 75%; height: 10px; background-color: #f1c40f;"></div>
Spanish	<div style="width: 75%; height: 10px; background-color: #f1c40f;"></div>
Catalan	<div style="width: 25%; height: 10px; background-color: #f1c40f;"></div>

Key Industries

Wastewater treatment	<div style="width: 100%; height: 10px; background-color: #5dade2;"></div>
Paper & Pulp	<div style="width: 75%; height: 10px; background-color: #5dade2;"></div>
Solid waste & composting	<div style="width: 100%; height: 10px; background-color: #5dade2;"></div>
Livestock	<div style="width: 100%; height: 10px; background-color: #5dade2;"></div>
Flavours & fragrances	<div style="width: 100%; height: 10px; background-color: #5dade2;"></div>
Automotive	<div style="width: 100%; height: 10px; background-color: #5dade2;"></div>
Other sectors of industry	<div style="width: 100%; height: 10px; background-color: #5dade2;"></div>

Anton van Harreveld, MSc

Current membership and committees

Active member of more than 20 committees, some of the most relevant include:

1998 - 2003

Convenor of CEN standardisation working group TC264/WG2 'Odours' that prepared the standard EN13725: 2003

Air Quality - Determination of odour concentration by dynamic olfactometry.

2012 - now

Convenor of CEN standardisation working group TC264/WG2 'Odours' tasked with reviewing the standard EN13725: 2003

Air Quality - Determination of odour concentration by dynamic olfactometry.

2006 - now

Member of CEN standardisation working group TC264/WG27 'Field Inspections of Odour'.

2012

Member of the scientific programme committee of the NOSE2012 specialist conference organised by AIDIC, the Italian Association of Chemical Engineering, 24-26 September 2012, Palermo, Italy.

2011

- Member of technical programme committee for the specialist conference on Odours Gerüche in der Umwelt 2011 organised by Verein Deutsche Ingenieure (VDI) in Bad Kissingen, 29-30 November.
- Member of the scientific programme committee for the international specialty conference 4th IWA Conference on Odours and VOCs, Vitoria, Brazil, 17 -21 October.

2008

- Founding member of the International Association of Applied Olfactometry (IAAO), www.olfactometry.com
- Principal organiser and chairman of 3rd IWA International Conference on Odour and VOC's, the International Water Association (IWA); specialty conference on odour management, held at the Torre Agbar, Barcelona, October 8 – 10.
- Vice chairman of the scientific programme committee for the 3rd IWA International Conference on Odour and VOC's.

2006 - 2007

Member of technical programme committee for the specialist conference on Odours Gerüche in der Umwelt organised by Verein Deutsche Ingenieure (VDI) in Bad Kissingen, November 13-14 2007.

2006

Invited speaker on 'Learning from odour complaints in the environment' at the Studiedag Geur en luchtkwaliteit in gebouwen (Symposium on odour and indoor air quality), organised by Delft University of Technology, The Netherlands, October 12

2003 - 2004

Chairman of scientific committee for the international conference 'Odour Management', November 17-19 2004 in Köln, Germany, by Verein Deutsche Ingenieure (VDI)

2002 - 2003

Member of the scientific committee for the IWA/WEF conference on odours in Singapore, September 2003

Others

- Technical Committee on Olfactometry of the Netherlands Calibration Organisation NKO
- Netherlands Normalisation Institute working groups (Olfactometry NVN2820, working group Sampling of Odours)
- Netherlands 'Platform Odour', a section of the Netherlands Association of Environmental Scientists, where industry, consultants, and regulators discuss implications and development of odour policies, with a focus on differentiating criteria based on type of odour (vice-chairman)
- US Air and Waste Management Association committee EE-6 on odours (member)
- Source Testing Association (UK, member)
- Verein Deutsche Ingenieure (member)
- IWA International Water Association, Technical Committee on Odours and VOC's from wastewater treatment (member)

Anton van Harreveld, MSc

Publications (1/2)

More than 40 publications since 1991, some of the most relevant include:

Van Harreveld, A.P., (2012) The need for continuous odour monitoring techniques in odour management and currently available technical solutions, C&E Chemical Engineering Transactions, Italian Association of Chemical Engineering AIDIC, Vol. 30, 2012. ISBN 978-88-95608-21-1; ISSN 1974-9791.

Van Harreveld, A.P., (2012) Odourmap, an online web based tool for field observation, resident participation, and odour community relations, C&E Chemical Engineering Transactions, Italian Association of Chemical Engineering AIDIC, Vol. 30, 2012, ISBN 978-88-95608-21-1; ISSN 1974-9791

J. M. Guillot, I. Bilsen, R. Both, M. Hangartner, W. J. Kost, W. Kunz, J. Nicolas, A. Oxbol, J. Secanella, H. Van Belois, T. Van Elst, T. Van Harreveld and B. Milan (2012) The future European standard to determine odour in ambient air by using field inspection. Water Science & Technology, Vol 66 No 8 pp 1691–1698, ISSN: 0273-1223

Anton P. Van Harreveld, Dietmar Mannebeck, Björn Maxeiner. (2009) Proficiency testing as the key element in implementing EN13275 olfactometry. Water Science & Technology, Vol 59 No 8 pp 1649–1655, ISSN: 0273-1223.

Anton P. Van Harreveld, Joan Feliubadaló, Rita Domínguez, Estel·la Pagans, Walter Murguía, Peter D'Abreton. (2009), Modelos gaussianos y modelos avanzados de dispersión de olores: Validación a través del estudio de impacto por olores en el Ecoparc2 de Barcelona. Infoenviro, 86-92, Marzo 2009.

Van Harreveld, A. Ph., (2005) Gestión de impacto de olores en plantas de tratamiento de aguas, InfoEnviro, 9, Madrid, Octubre 2005.

Anton P. Van Harreveld, (2004) Odour management tools – filling the gaps. Water Science & Technology, Vol 50 No 4 pp 1–8, ISSN: 0273-1223.

Van Harreveld, A. Ph., (2004) Managing odour impacts for wastewater treatment plants, Asian Water vol. 20 (1), 17-20, ISSN 0218-4540, January/February 2004

EN13725:2003, Odour concentration measurement by dynamic olfactometry, April 2003 (contributed as convenor). www.cenorm.be

Van Harreveld, A. Ph., (2003) Odour Concentration Decay and Stability in Gas Sampling Bags, J. Air & Waste Manage. Assoc. vol. 53 (1), 51-61, ISSN 1047-3289, January 2003

Assessment of community response to odorous emissions., R&D Technical Report P4-095, Environment Agency, WRc Document Distribution Centre, United Kingdom, 2002. www.environment-agency.gov.uk

van Doorn, Reind, Ruijten, Marc, Van Harreveld, A.Ph., Guidance for the Application of Odor in the Derivation of AEGL-1 4, version 02/06/2001, Public Health Service of Rotterdam, the Netherlands.

Van Harreveld, A. Ph., Jones, N., Stoaling, M., (2001) Odour Impacts and Odour Emission Control Measures for Intensive Agriculture. Part A: Odour annoyance assessment and criteria for intensive livestock production in Ireland., Environmental Monitoring, R&D Sub-programme of the Environmental Services Operational Programme 1994-1999, Environmental Protection Agency, Report 14, ISBN 1-84095-075-7, 2001. www.epa.ie



Anton van Harreveld, MSc

Publications (2/2)

More than 40 publications since 1991, some of the most relevant include:

Bongers, M.E., Vossen, FHJ, van Harreveld, AP, Geurhinderonderzoekstallenintensieveveehouderij (translation: Survey of odour nuisance in the vicinity of intensive livestock housing), in Dutch, Ministry of Planning, Public Housing and the Environment, Distribution centre, document number 22317, March 2001.

Van Harreveld, A.P., From odorant formation to odour nuisance: new definitions for discussing a complex process, Water Science & Technology Vol 44 No 9 pp 9-15, ISSN: 0273-1223, 2001

Odour control in wastewater treatment - a technical reference document., UK Water Industry Research Ltd, London, Technical reference document 01/WW13/01/3,2000 (major contributor) www.ukwir.org

Van Harreveld, APh, Schakel, A., Valk, CJ, Vreeburg, S, Feasibility study for the development of a standardised method for assessment of odour nuisance and odour annoyance potential, (in Dutch) Project PD 207 Action programme Standardisation and Validation of Environmental Assessment Methods, Project Research Amsterdam BV, December 1999.

van Harreveld, A. Ph., P. Heeres, and H. Harssema(1998) A review of 20 years of standardization of odour concentration measurement by dynamic olfactometry in Europe, J. Air & Waste Manage. Assoc. 49, 705-715, ISSN 1047-3289, June 1998

Valk, C.J., Anzion, C.J.M., Van Harreveld, A.Ph., Geurhinder: de kwaliteit van de besluitvormingmoetverbeteren(Translation Dutch title:Odour nuisance: the quality of environmental decision making must improve), Lucht 3, 1998

Van Harreveld, A.Ph.,Interlaboratory Comparison of Olfactometry. Validation of draft CEN standard 'Odour concentration measurement using dynamic olfactometry, CEN TC264/WG2 'Olfactometry' document N220, OdourNet UK Ltd, 1996.

Van Harreveld, A. Ph., Heeres, P., (1995) Quality control and optimisation of dynamic olfactometry using n-butanol as a standard reference odorant, STAUB -Reinhaltung der Luft 55 pp 45-50, SpringerVerlag.

Harreveld, A. Ph. van, (1993) European standardisation of olfactometry (in Dutch), Lucht 10/12, pp 55-58.

Van Harreveld, A.P., (1991) Introduction and Related Practical Aspects of Odour Regulations in the Netherlands:, in: Derenzo and Gnyp, TR18, Recent Developments and Current Practices in Odour Regulations, Controls and Technology, AWMA, ISBN 0-923204-0, 1991

Donszelmann,C.E.P.; Doorn,W.J. van; Harreveld, A.P. van; Minningh,P.E, EPOS, Evaluatie Project Ontwerp-Stankconcentratienormen (translation of Dutch title: EPOS: Evaluation of odourexposure concentration standards), Publication setiesAirno. 95, Ministry of Public Planning, Housing and the Environment, The Hague, 1991