

Publicaties Harry Slaper
Lijst van publicaties (1984-2013) en lezingen 2003-2013;

PUBLICATIES EN RAPPORTEN

1. **Slaper H.**, Bijwaard H, Sedee A., Vermeulen T., Gaat expertise stralingsbescherming achteruit? Inventarisatie van Wetenschappelijk Onderzoek en Onderwijs in de Stralingsbescherming, Nederlands Tijdschrift voor Stralingsbescherming 2013 (4) nr 1 p18-21.
2. Van Dijk A., **Slaper H.**, UV, vitamine D en kanker: (z)onbalans, Nederlands Tijdschrift voor Stralingsbescherming 2013 (4) nr 1 p14-17.
3. Bijwaard H., **Slaper H.**, Inventarisatie van wetenschappelijk onderzoek en onderwijs in de stralingsbescherming, RIVM-rapport 610890002, 2013
4. Van Dijk, A., **H. Slaper**, P.N. den Outer, O. Morgenstern, P. Braesicke, J.A. Pyle, H. Garny, A. Stenke, M. Dameris, A. Kazantzidis, K. Tourpali, A.F. Bais, (2012), "Skin cancer risks avoided by the Montreal Protocol – worldwide modelling integrating coupled climate-chemistry models with a risk model for UV", accepted for publication in Photochem. Photobiol., 2013, 89: 234–246.
5. Bader S., **Slaper H.**, De respons van het Back Office Radiologische Informatie op de kernramp in Fukushima, Nederlands Tijdschrift voor Stralingsbescherming 2012 (3) nr 2 p40-44.
6. P. N. den Outer, A. van Dijk, **H. Slaper**, A. V. Lindfors, H. De Backer, A. F. Bais, U. Feister, T. Koskela, and W. Josefsson, "Applying spaceborne reflectivity measurements for calculation of the solar ultraviolet radiation at ground level", Atmos. Meas. Tech., 5, 1–14, 2012, www.atmos-meas-tech.net/5/1/2012/doi:10.5194/amt-5-1-2012
7. Webb AR, **Slaper H**, Koepke P, Schmalwieser A, Know your standard: clarifying the CIE erythema action spectrum, Photochem&Photobiol, 2011, 87: 483–486, 2010
8. Kaurola J., A. Lindfors, K. Lakkala, G. Hansen, W. Josefsson, L., Vuilleumier, U. Feister, **H. Slaper**, On the usability of the ERA-40 re-analysis in the estimation of past surface UV radiation over Europe, J. Geophysical Research, VOL. 115, D24107, doi:10.1029/2010JD013810, 2010.
9. De relatie tussen kanker, zonnestraling en vitamine D, F.R. De Gruijl, Passchier WF, Lips PTAM, **Slaper H**, Van der Rhee HJ, Rapportage Signaleringscommissie Kanker van KWF Kankerbestrijding. Leusden ISBN 978-90-71229-21-3, 2010
10. Dekker SAJ, **Slaper H**, Tanzi CP, Kinderkanker in de omgeving van kerncentrales: resultaten van een Duitse studie in perspectief, RIVM rapport 610790010/2010
11. Den Outer PN, **Slaper H**, Lindfors A, Kaurola J, Bais A, Kazantzidis A, Feister U, Junk J, Janouch M, Josefsson W. Reconstructing UV irradiance for the past 4 decades using models and measurements. J. Geophysical Research, VOL. 115, D10102, doi:10.1029/2009JD012827, 2010
12. Struijs J, Van Dijk A, **Slaper H**, Van Wijnen HJ, Velders GJM, Chaplin G, Huijbregts MAJ, Spatial- and time-explicit human damage modelling of ozone depleting substances in Life Cycle Impact (2010), *Environ. Sci. Technol.* **2010**, *44*, 204–209.

13. Lindfors A, Tanskanen A, Arola A, Van der A R, Bais A, Feister U, Janouch M, Josefsson W, Koskela T, Lakkala K, Den Outer PN, Smedley ARD, **Slaper H**, and Webb AR, The Promote UV Record: a global satellite-based climatology of ultraviolet irradiance. Accepted for publication in Journal of Selected Topics in Earth Observations and Remote Sensing 2009
14. Kazantzidis A, Bais AF, Zempila MM, Kazadzis S, Den Outer PN, Koskela T, **Slaper H**. Calculation of human vitamin D exposure from UV spectral measurements at three European stations. Photochemistry and Photobiology Sciences 8. 45-51, DOI: 10.1039/b811216a, 2009.
15. Den Outer PN. Van Dijk A, **Slaper H**. Validation of ultraviolet radiation budgets using satellite observations from the OMI instrument. RIVM Report 610002002/2008.
16. Van Dijk A, Den Outer PN. Slaper H. Climate and ozone change effects on ultraviolet radiation and risks (COEUR) Using and validating earth observation. RIVM report 610002001/2008.
17. Feister U, Junk J, Woldt M, Bais A, Helbig A, Janouch M, Josefsson W, Kazantzidis A, Lindfors A, den Outer PN, Slaper H. Long-term solar UV radiation reconstructed by ANN modelling with emphasis on spatial characteristics of input data, Atmos. Chem. Phys., 8. 3107-3118, 2008.
18. Seckmeyer G, Glandorf M, Wichers C, McKenzie R, Henriques D, Carvalho F, Webb A, Siani A, Bais A, Kjeldstad B, Brogniez C, Werle P, Koskela T, Lakkala K, Gröbner J, Slaper H, Den Outer P, Feister U. Europe's darker atmosphere in the UV-B. Photochemistry and Photobiology Sciences. 7, 925-930. 2008.
19. Köpke P, De Backer H, Bais A, Curylo A, Eerme K, Feister U, Johnsen B, Junk J, Kazantzidis A, Krzyscin J, Lindfors A, Olseth JA, den Outer P, Pribulova A, Schmalwieser AW, Slaper H, Staiger H, Verdebout J, Vuilleumier L, Weihs P. Modelling solar UV radiation in the past: Comparison of algorithms and input data. EUR23338 COST action 726 Earth System Science and Environmental Management, ISBN 978 92 898 0043 3, 2008
20. Bader S, Slaper H, Inventarisatie en classificatie van maatregelzones bij kernongevallen, RIVM-rapport 610790003/2008
21. Blaauboer RO, Dekkers SAJ, Slaper H, Bader S, Stralingsbelasting in nieuwbouwwoningen – voorlopige resultaten VERA-survey 2006, RIVM-briefrapport 610790004, 2008
22. Siegmund P, Slaper H, Velders G, De Backer H, Van der A R, Allart M, Den Outer P, Swart D, Veeffkind P, Van Weele M. Bescherming ozonlaag: 20 jaar effectief beleid - een welkome waarheid, folder uitgegeven ter viering van het 20-jarig bestaan van het Montreal Protocol. KNMI, MNP, RIVM, KMI. September 2007.
23. Seckmeyer G, Pissulla D, Glandorf M, Henriques D, Johnsen B, Webb A, Siani A, Bais A, Kjeldstad B, Brogniez C, Lenoble J, Gardiner B, Kirsch P, Koskela T, Kaurola J, Uhlmann B, **Slaper H**, Den Outer P, Janouch M, Werle P, Gröbner J, Mayer B, De la Casiniere A, Simic S, Carvalho F. Variability of UV Irradiance in Europe, Accepted for publications in Photochemistry and Photobiology 2007.
24. Den Outer PN, Slaper H, Lindfors A, Kaurola J, Bais A, Kazantzidis A, Feister U, Junk J, Janouch M, Josefsson W. UV-History in Europe: A comparison of UV-Reconstruction Models, extended abstract in the proceedings of 'A UV Conference celebrating One century of UV radiation Research', 18 - 20 September 2007, Davos, Switzerland. Gröbner J, editor. Phys.Meteo.Obs. Davos, WRC. 2007.

25. Bais, AB, Kazadzis S, Meleti C, Kouremeti N, Kaurola J, Lakkala K, **Slaper H**, Den Outer PN, Josefsson W, U. Feister, M. Janouch. Variability in spectral UV irradiance at seven European stations, extended abstract in the proceedings of 'A UV Conference celebrating One century of UV radiation Research', 18 - 20 September 2007, Davos, Switzerland. Gröbner J, editor. Phys.Meteo.Obs. Davos, WRC. 2007.
26. Tanskanen A, Lindfors A, Määttä A, Krotkov N, Herman J, Kaurola J, Koskela T, Lakkala K, Fioletov V, Bernhard G, McKenzie R, Kondo, Y O'Neill M, **Slaper H**, Den Outer P, Bais A. Validation of daily erythemal doses from Ozone Monitoring Instrument with ground-based UV measurement data, J. Geophys. Res. 2007; 112: D24S44.
27. Slaper H, Den Outer P, Kelfkens G. Climate and ozone change effects on UV-radiation and health risks'. In: Ørbæk JB, Kallenborn R, Tombre I, Hegseth EN, Falk-Petersen S, Hoel AH, Editors. Arctic Alpine Ecosystems and People in a Changing Environment. Springer-Verslag Berlin, Heidelberg, Germany, 2007.
28. Den Outer PN, Slaper H, Bais A, Kaurola J, Koskela T, Josefsson W, Janouch M, Feister U. UV-climatology utilising reanalysed ground-based spectral data. In: Slusser JR, Schäfer K, Comerón A, editors. Remote Sensing of Clouds and the Atmosphere XI: Proceedings of SPIE 2006 September; Stockholm, Zweden. 2006. p. 636214.
29. Köpke P, De Backer H, Bais A, Curylo A, Eerme K, Feister U, Johnsen B, Junk J, Kazantzidis A, Krzyscin J, Lindfors A, Olseth JA, den Outer P, Pribulova A, Schmalwieser AW, **Slaper H**, Staiger H, Verdebout J, Vuilleumier L, Weihs P. Modelling solar UV radiation in the past: Comparison of algorithms and input data. In: Slusser JR, Schäfer K, Comerón A, editors. Remote Sensing of Clouds and the Atmosphere XI: Proceedings of SPIE 2006 September; Stockholm, Zweden. 2006. p. 636215.
30. Kazantzidis A, Bais AF, Gröbner J, Herman JR, Kazadzis S, Krotkov N, Kyrö E, Den Outer PN, Garane K, Görts P, Lakkala K, Meleti C, **Slaper H**, Tax RB, Turunen T. Comparison of satellite-derived UV irradiances with ground-based measurements at four European stations, J. Geophys. Res. 2006;111:D13207.
31. P. N. den Outer, H. Slaper, R. Tax. UV radiation in the Netherlands: assessing long-term variability and trends in relation to ozone and clouds. J. Geophys. Res., Vol. 110, No. D2, D02203 22 January 2005.
32. H. Slaper, P.N. den Outer, J. Williams, A. Bais, J. Kaurola, T. Koskela, K. Lakkala, G. Seckmeyer, P. Weihs. Towards a European UV-climatology utilising ground-based spectral data and satellite based analysis. Oral presentation at the Quadrennial Ozone Symposium, 1- 8 June, Kos, Greece, 2004. In proceedings *Quadrennial Ozone Symposium, 1-8 June 2004*, p. 1063-1064 Kos Greece. Edt. C.S. Zerefos, Univ. of Athens, Greece, May 2004
33. A.F. Bais, A. Kazantzidis, C. Meleti, K. Garane, J. Gröbner, J. Herman, N. Krotkov, E. Kyrö, K. Lakkala, T. Turunen, H. Reinen, P. Görts, P.N. den Outer, **H. Slaper**, K. Vanicek, M. Janouch, M. Stanek. Validation of TOMS-derived surface UV irradiances with quality-checked spectral UV measurements from five European stations. In proceedings *Quadrennial Ozone Symposium, 1-8 June 2004*, p. 1063-1064 Kos Greece. Edt. C.S. Zerefos, Univ. of Athens, greece, May 2004
34. Galmarini S ; Bianconi R ; Addis R ; Andronopoulos S ; Astrup P ; Bartzis JC ; Bellasio R ; Buckley R ; Champion H ; Chino M ; D'Amours R ; Davakis E ; Eleveld H ; Glaab H ; Manning A ;

Mikkelsen T ; Pechinger U ; Polreich E ; Prodanova M ; Slaper H ; Syrakov D ; Terada H ; Auwera L van der, Ensemble dispersion forecasting - part II: application and evaluation Atmos Environ 2004; 38:4619-32

35. Galmarini S ; Bianconi R ; Klug W ; Mikkelsen T ; Addis R ; Andronopoulos S ; Astrup P ; Baklanov A ; Bartniki J ; Bartzis JC ; Bellasio R ; Bompay F ; Buckley R ; Bouzom M ; Champion H ; D;Amours R ; Davakis E ; Eleveld H ; Geertsema GT ; Glaab H ; Kollax M ; Ilvonen M ; Manning A ; Pechinger U ; Persson C ; Polreich E ; Potemski S ; Prodanova M ; Saltbones J ; **Slaper H** ; Sofiev MA ; Syrakov D ; Sorensen JH ; Auwera L van der ; Valkama I ; Zelazny R, Can the confidence in long range atmospheric transport models be increased? The Pan-European experience of ensemble; Radiation Prot Dosim 2004; 109:19-24
36. J. E. Williams, P. N. den Outer, **H. Slaper**, J. J. Matthijssen, and G. Kelfkens. Cloud induced reduction of solar UV-radiation: a comparison of ground-based and satellite based approaches. Geophys. Res. Lett., Vol. 31, No. 3, 2003.
37. P. N. den Outer, **H. Slaper**, A. Bais, F. Cappellani, W. Feister, T. Koskela, and A. Webb. Towards a UV-climatology of Europe. Harris, N. R. P., Ammanatidis, G. T., and Levine, J. G. *Air pollution research report 79, Stratospheric ozone 2002, 6th Sixth European Symposium on Stratospheric Ozone.* p 345-348. Cambridge, UK, European Commission. 2003
38. **H. Slaper** and FR de Gruijl, Stratospheric ozone depletion, UV-exposure and skin cancer: a scenario analysis, in: Skin cancer prevention, p. 55-71, chapter 4. The Netherlands, Kluwer (2004)
39. FR de Gruijl, and **H. Slaper**, Skin cancer induction by UV radiation: molecular UV targets and quantitative risk models, in: Skin cancer prevention, p. 195-209, chapter 11. The Netherlands, Kluwer (2004)
40. A Arola, A., Kalliskota, S., den Outer, P.N., Edvardsen, K., Hansen, G., Koskela, T., Martin, T. J., Matthijssen, J., Meerkoeter, R., Peeters, P., Seckmeyer, G., Simon, P., **Slaper, H.**, Taalas, P., and Verdebout, J, Assessment of four methods to estimate surface UV radiation using satellite data, by comparison with ground measurements from four stations in Europe, No. 4310. J. Geophys. Res., [Atmos.] - art. 107(D16),2002
41. Eleveld H and H Slaper, Development and application of an extended methodology to validate short-range atmospheric dispersion models, Quantitative Methods for Current Environmental Issues edited by Anderson et al., Springer-Verlag London. ISBN 1852332948. 2002. 147-165.
42. F Termorshuizen, Wijga, A., Garssen, J., den Outer, P. N., **Slaper, H.**, and van Loveren, H., (2002), Exposure to solar ultraviolet radiation in young Dutch children: Assessment by means of a 6-week retrospective questionnaire, J. of Exposure Analysis and Environmental Epidemiology 12, 204-213. 2002
43. G. Kelfkens, Bregman, A., de Gruijl, F. R., van der Leun, J. C., Piquet, A., van Oijen, T., Gieskes, W. W. C., van Loveren, H., Velders, G. J. M., Martens, P., **Slaper, H.**, (2002) Ozone layer - climate change interactions Influence on UV levels and UV related effects, Dutch National Research Programme on Global Air Pollution and Climate Change (NRP/NOP) rapport 410 200 112.
44. G. Kelfkens, P. N. den Outer, and **H. Slaper**, Risks and Ultraviolet Budgets using Earth Observation (RUBEO): including a non-standard atmosphere and geographic ozone trend differences in risk assessments, BCRS USP-2 report 01-33, 2001.

45. H. Slaper and G. Kelfkens, *Ruimtelijke blik op UV aan de grond. Gebruik van satellietgegevens voor het analyseren van de UV-belasting op de grond.*, NVS-Nieuws (2001).
46. H. Slaper, J. Matthijsen, P. N. den Outer, and G. J. M. Velders, Climatology of Ultraviolet Budgets using Earth Observation (CUBEO): mapping UV from the perspective of risk assessments , BCRS USP-2 report 00-17, 2001.
47. R. Guicherit, P. Builtjes, G. de Leeuw, P. N. den Outer, R. Pasterkamp, C. Robles-Gonzales, M. Roemer, H. Slaper, and H. van der Woerd, Surface Ultraviolet Levels; Prediction and History from atmospheric trends over Europe (SULPHATE)., BCRS USP-2 report 00-15, 2001.
48. A. F. Bais, B. G. Gardiner, H. Slaper, M. Blumthaler, G. Bernhard, R. Mckenzie, A. R. Webb, G. Seckmeyer, B. Kjeldstad, T. Koskela, P. J. Kirsch, J. Grobner, J. B. Kerr, S. Kazadzis, K. Leszczynski, D. Wardle, W. Josefsson, C. Brogniez, D. Gillotay, H. Reinen, P. Weihs, T. Svenoe, P. Eriksen, F. Kuik, and A. Redondas, *SUSPEN intercomparison of ultraviolet spectroradiometers*, J. Geophys. Res., [Atmos.] **106**, 12509 (2001).
49. HAJM Reinen, H. Slaper, RMW Overwater, P Stoop Comparing environmental dose rate meters: a method to determine natural and non-natural variations in external radiation levels, Radiation Protection Dosimetry, 92, 123-126, 2000.
50. HAJM Reinen, P Stoop, H. Slaper Methode voor de bepaling van het aan de achtergrond toegevoegde stralingsniveau voor het MONET meetnet, RIVM rapport 610330021, juni 2000.
51. PN den Outer, H. Slaper, J Matthijsen, H. Slaper, HAJM Reinen, and R Tax, Variability of ground-level ultraviolet: model and measurement, Radiation Protection Dosimetry, 91, 105-110, 2000.
52. J Matthijsen, H. Slaper, HAJM Reinen, G JM Velders Reduction of solar UV by clouds: a comparison between satellite-derived cloud effects and ground based measurements, Journal of Geophysical Research, 105, 5069-5080, 2000.
53. Madronich, S., G.J.M. Velders, Daniel, J.S., Murari Lal, M., McCulloch, A., Slaper, H., Chapter 11 in WMO, *Scientific Assessment of Ozone Depletion: 1998*, World Meteorological Organization, Global Ozone Research and Monitoring Project - Report No. 44, WMO, Geneva, 1999
54. J. Longstreth, FR de Gruijl, ML Kripke, S Abseck, F Arnold, H. Slaper, G Velders, Y Takizawa, JC van der Leun, Health Risks, chapter 2 in UNEP Environmental effects of ozone depletion, 28-62, 1998 Assessment, ISBN 92-807-1724-3, Nairobi, Kenya, november 1998.
55. H. Slaper, G JM Velders, J Matthijsen Ozone depletion and skin cancer incidence: a source risk approach, Journal of Hazardous Materials 61, 77-84, 1998.
56. H. Slaper, R. Blaauboer A probabilistic risk assessment for accidental releases from nuclear power plants in Europe, Journal of Hazardous Materials 61, 209-215, 1998
57. PN den Outer, Slaper H: Measuring and modelling solar UV irradiance and some quality assurance techniques: RIVM contribution to the SUVDAMA-project in: Second Intermediate Report of the EC-project Scientific UV Data Management (SUVDAMA), 1998 February: 173-188.

58. H. Slaper, T Koskela Methodology of intercomparing spectral sky measurements, correcting for wavelength shifts, slit function differences and defining a spectral reference, report of NOGIC 96 intercomparison of UV-spectrometers, in: B Kjeldstad, B Johnson, T Koskela, The Nordic intercomparison of ultraviolet and total ozone instruments at Izana, October 1996 p 89-108, Meteorological Publications 36, Finnish Meteorological Institute, 1997.
59. T. Koskela, B Johnson, A. Bais, W. Josefsson, H. Slaper Spectral sky measurements, in: B Kjeldstad, B Johnson, T Koskela, The Nordic intercomparison of ultraviolet and total ozone instruments at Izana, October 1996 p 109-148, Meteorological Publications 36, Finnish Meteorological Institute, 1997.
60. H.Slaper Methods for intercomparing instruments, in Ann Webb (ed), Advances in ultraviolet spectroradiometry chapter 2B, Air Pollution Research report 63, ISBN 92 828 0990 0, 153-164, 1997.
61. H. Slaper Huidkanker en Ozonaantasting: indicaties van het mogelijke succes van het CFK-beleid; NVS-nieuws, 1997.
62. H. Slaper, GJM Velders Ozone depletion and skin cancer incidence: a source-risk approach, RISK 1997 symposium proceedings, in BJM Ale, MPM Janssen, MJM Pruppers (eds) RISK97 Book of Papers, 73-76 (1997)
63. H.Slaper, R Blaauboer A risk assessment for accidental releases from nuclear power plants in Europe; RISK 1997 symposium proceedings in BJM Ale, MPM Janssen, MJM Pruppers (eds) RISK97 Book of Papers, 187-191 (1997)
64. H.Slaper, GJM Velders Scenario study on ozone depletion and skin cancer incidence illustrating the Vienna Convention achievements, National Institute of Public Health and Environment Annual Scientific Report 1996, 26-28, Bilthoven 1997.
65. WJM Martens, MGJ den Elzen, H. Slaper, PJM Koken, BAT Willems The impact of ozone depletion on skin cancer incidence: an assessment of the Netherlands and Australia, Environmental Modeling and Assessment, 1, 229-240, 1996.
66. H. Slaper, G.J.M. Velders, J.S. Daniel, F.R. de Gruijl, J.C. van der Leun Estimates of ozone depletion and skin cancer incidence to examine the Vienna Convention Achievements; NATURE 348, 256-258, 1996.
67. H. Slaper, H.A.J.M. Reinen Analyse van het biologisch effectieve UV in Nederlands: indicaties voor een toename NVS-nieuws; nr. 1, blz. 28, februari 1996.
68. H. Slaper, H.A.J.M. Reinen Biologically effective UV in the netherlands, measurements and modelling from the perspective of risk assessments Change nr. 28, 2-6, December 1995.
69. H. Slaper, H.A.J.M. Reinen, M. Blumthaler, M. Huber, F. Kuik Comparing ground-level spectrally resolved solar UV measurements using various instruments: A technique resolving effects of wavelength shift and slit width Geophys. Res. Lett. vol. 22, 2721-2724, 1995
70. J.A. Bordewijk, H. Slaper, H.A.J.M. Reinen, E. Schlamann Total solar radiation and the influence of clouds and aerosols on the biologically effective UV Geophys. Res. Lett. vol. 22, 2151-2154, 1995
71. Slaper H.; Reinen, H.; Schlamann, E.; Bordewijk J.; Determination of the UVB climate in the Netherlands: high resolution spectral measurements, monitoring and modelling from the perspective of risk analysis; pages 196-203, chapter 3.4 in: Climate change Research, evaluation and policy

implications; edited by S. Zwerver, R.S.A.R. van Rompaey, M.T.J. Kok and M.M. Berk, Studies in Environmental Science 65A, Elsevier, ISBN 0-444-82143-0, 1995.

72. H.Slaper, RO Blaauboer 1995 Probabilistic risk assessment for accidental releases from nuclear power plants in Europe: methods and results, Environmental impact of Radioactive releases; proceedings of an International symposium on Environmental impact of Radioactive releases organized by the International Atomic Energy Agency and held in Vienna, 8-12 May 1995; IAEA, Vienna 1995
73. Visser, E.P.; Apituley A., Bergwerff J.B., Bordewijk J.A., ten Brink H.M., van Lammeren, A.C.A.P., Reinen H.A.J.M., Slaper H., Swart D.P.J. RIVM's automated lidar systems for climate research; EOS/SPIE Proceedings of the European Symposium on Optics for Environmental and Public Safety, Munchen, June 19-22, 1995.
74. H. Slaper, H.A.J.M. Reinen, J.A. Bordewijk, E. Schlamann Effective Ultraviolet radiation in the Netherlands RIVM-report nr. 610070002, December 1994
75. MPM. Janssen, H. Slaper, JFMM Lembrechts, JET Moen Omgaan met risico's bij straling en stoffen: op weg naar harmonisatie ? NVS-nieuws, 19-23, februari 1995
76. RO Blaauboer, H.Slaper 1994 Risico's van mogelijke ongevallen met kerncentrales in Europa NVS-nieuws oktober 1994
77. H Reinen, H.Slaper, E. Schlamann, J. Bordewijk 1994 Monitoring the biologically relevant UV radiation in the Netherlands in proceedings of the WMO meeting; july 1994
78. JET Moen, MPM Janssen, H.Slaper, JFMM Lembrechts 1994 Risicovergelijking straling/stoffen eerste tussenrapport RIVM rapport nr 610052001, juni 1994
79. H.Slaper 1994 Afbraak van de ozonlaag en de mogelijke gevolgen voor de incidentie van huidkanker NVS-nieuws no 1 1994
80. HP Leenhouts, H Reinen, H Slaper, E Schlamann, J Bordewijk 1994 Monitoring of the biologically relevant UV radiation in the Netherlands in: RIVM, Annual Scientific report 1993; Bilthoven 1994 p164-165.
81. H.Slaper, RO Blaauboer, GJ Eggink 1994 A risk assessment method for accidental releases from nuclear power plants in Europe RIVM-report n0 743030002; January 1994
82. H.Slaper, GJ Eggink, RO Blaauboer 1993 Risks of potential accidents of nuclear power plants in Europe RIVM-report no 743030001; december 1993
83. H.Slaper 1994 Ozone depletion and skin cancer incidence: integrated risk assessment modeling in proceedings of the 13th UOEH and 2nd Pan Pacific Cooperative Symposium on Impact of UVB exposure on human health and ecosystem; october 1993.
84. Slaper, H.; den Elzen M.G.J.; van der Woerd H.J. Ozone depletion and skin cancer risks: a scenario study. In proceedings of the first European symposium on The effects of environmental UV-B radiation on health and ecosystems, Munich, 27-29 October, 1993, edited by H. Bauer, C. Nolan, EUR 15607, 179-182, 1995.
85. Reinen H.A.J.M.; Schlamann, E.; Bordewijk, J.A.; Slaper, H. Monitoring UV radiation in the Netherlands. Set-up and preliminary results. In proceedings of the first European symposium on The

effects of environmental UV-B radiation on health and ecosystems, Munich, 27-29 October, 1993, edited by H. Bauer, C. Nolan, EUR 15607, 63-66, 1995.

86. de Gruijl F.R.; Sterenborg H.J.C.M.; Forbes P.D.; Davies R.E.; Cole C.; Kelfkens G.; van Weelden H.; Slaper H.; van der Leun J.C. Wavelength dependence of skin cancer induction by Ultraviolet Irradiation of Albino hairless mice. *Cancer Research* 53, 53-60, 1993.
87. MJM Pruppers, GJ Eggink, H Slaper, LH Vaas, HP Leenhouts 1993 Straling. in D Ruwaard, PGN Kramers, eindred. Volksgezondheid Toekomst Verkenning. De gezondheidstoestand van de Nederlandse bevolking in de periode 1950-2010. Den Haag: SDU Uitgeverij, 1993; 616-622
88. H.Slaper, H.Reinen, J Bordewijk 1994 High resolution spectral UV-monitoring and atmospheric transfer modeling in the Netherlands; (abstract); in proceedings of the NATO advanced research workshop: stratospheric ozone depletion and UVB radiation in the biosphere; june 1993
89. H.Slaper, MGJ den Elzen, HJ van der Woerd 1994 Ozone depletion and skin cancer incidence: an integrated modeling approach and scenario study (abstract); in proceedings of the NATO advanced research workshop: stratospheric ozone depletion and UVB radiation in the biosphere; june 1993
90. HAJM Reinen, E Schlamann, JF van Sonderen, H.Slaper 1993A new solar UV radiation monitoring station in the Netherlands Proceedings of the International conference on Atmospheric Radiation, Tromso, 30 june-1 july 1993, edited by K. Stammes p 340-349; SPIE 2049 1993
91. H. Slaper 1994 Ozone depletion and skin cancer incidence: science and policy implications of risk-oriented approaches; in SD Lee en T Schneider (eds), Proceedings of the fourth US-Dutch international symposium Comparative risk analysis and priority setting of air pollution issues; june 7-11,260-273 1993.
92. H.Slaper 1993 Opening RIVM-meetpunt ultraviolette straling NVS-nieuws nr 2 18^e jaargang 1993
93. H. Slaper, M.G.J. den Elzen, H.J. van der Woerd, J. de Greef 1992; Ozone depletion and skin cancer incidence: an integrated modelling approach. RIVM rapportnr. 749202001, june 1992.
94. G.J. Eggink, H. Slaper 1992 UV-radiation; sources, effects and risks of human and environmental exposure. Proceedings of IRPA8-conference, Montreal IRPA 1992.
95. H. van der Woerd, H. Slaper 1991 Aantasting van de ozonlaag. In: Nationale Milieuverkenning 1990-2010 2, RIVM 1991; pp 130-143.
96. H. Slaper, G.J. Eggink 1991; Blootstelling aan ultraviolette straling; een analyse van het probleemveld.RIVM-rapportnr. 249104002, oktober 1991.
97. J.F. van Sonderen, H. Slaper, D.P.J. Swart en R.C.G.M. Smetsers 1991; Definitiestudie spectrometrische UV-meetopstelling. RIVM-rapportnr. 249104001, maart 1991.
98. A.C. Loman, C.R. ter Kuile, H. Slaper 1990 Het meten van radioactieve bodembesmettingen vanuit de lucht; gebruik van de in-situ gammaspektrometrie methode. RIVM-rapportnr. 249000001, september 1990.
99. D. van Lith, R.C.G.M. Smetsers, H. Slaper 1990 Environmental monitoring and the application of predictive models for nuclear emergencies in the Netherlands. In: (F. Raes, ed) Proceedings of the 2nd

REM Workshop on Real Time radioactivity Monitoring and its interface with predictive Atmospheric transport modelling; Ispra, december 1989.

100. M.G. Delfini, H. Slaper, M.J.M. Pruppers 1990 Inventarisatie, ten behoeve van het IDC, van de in Nederland beschikbare modellen voor real time berekeningen aan de luchtverspreiding van radioactieve stoffen. RIVM-rapport 243201001, maart 1990.
101. F.A.A.M. de Leeuw, H. Slaper 1989 UV straling in Nederland: indicatie van de invloed van een verandering in de ozonkolom. RIVM-rapport 228903001, juli 1989.
102. Kramers, de Groot, Hoogenveen, van Knapen, Krajnc, Lebret, Rombout, Slaper, Speijers, Theelen, Wijga 1989 Gezondheidseffecten en milieufactoren een uitgebreide versie van hoofdstuk 9: "Effecten op de volksgezondheid", uit het RIVM-rapport "Zorgen voor Morgen". RIVM-rapport 758704001 juni 1989.
103. H.Slaper, J.C. van der Leun 1989 Schatting van het risico op huidtumoren bij blootstelling aan Ultraviolette straling. Reeks Stralenbescherming, No 38, februari 1989.
104. H. Slaper, B.J. de Haan, E.J.M. Veling 1989 Dichtheid van meetnetten voor radioactiviteit met betrekking tot de signalering van kernongevallen. RIVM-rapport 248903001, februari 1989.
105. H. Slaper (1987) Skin cancer and UV exposure: investigations on the estimation of risks. proefschrift, Rijks Universiteit Utrecht, december 1987.
106. H. Slaper & J.C. van der Leun (1987) Human exposure to ultraviolet radiation: quantitative modelling of skin cancer incidence. In: (W.F.Passchier, B.F.M.Bosnjakovic, ed) Human exposure to ultraviolet radiation: risks and regulations. Excerpta Medica International Congress series 744; Elsevier Science Publisher, Amsterdam, pp. 155-171.
107. A.A. Schothorst, H.Slaper, D. Telgt, B. Alhadi, D. Suurmond (1987) Amounts of ultraviolet B (UVB) received from sunlight or artificial sources by various population groups in the Netherlands. In: (W.F.Passchier, B.F.M.Bosnjakovic, ed); Human exposure to ultraviolet radiation: risks and regulations. Excerpta Medica International Congress series 744; Elsevier Science Publisher, Amsterdam, pp. 269-273.
108. H. Slaper, A.A. Schothorst & J.C. van der Leun (1986) Risk evaluation of UV-B therapy for psoriasis: comparison of calculated risk for UV-B therapy and observed risk in PUVA-treated patients. *Photodermatology* 3: 271-283.
109. H. Slaper & J.C. van der Leun (1986) The use of sunscreens against longterm sun damage. In:(J.Cronley-Dillon, E.S.Rosen, J.Marshall,ed) Hazards of Light: Myths and Realities, Eye and Skin; Pergamon Press, Oxford, pp. 125-132.
110. F.R. de Gruijl, H.J.C.M. Sterenborg, H. Slaper & J.C. van der Leun (1986) Dose and dose-rate responses to UV-B radiation: Implications for reciprocity.In: (R.C.Worrest,ed) Stratospheric Ozone Reduction, Solar Ultraviolet Radiation and Plant Life. Springer Verlag, Berlin,pp.119-126.
111. H. Slaper & J.C. van der Leun, (1985) Ultraviolette straling op de menselijke huid. Ministerie van Volkshuisvesting, Ruimtelijke Ordening en Milieubeheer, Reeks Stralenbescherming, No.2 ISBN 90 3460442 X.

112. A.A. Schothorst, H. Slaper, R. Schouten & D. Suurmond (1985) UV-B doses in maintenance psoriasis phototherapy versus solar UV-B exposure. *Photodermatology* 2: 213-220.
113. W.A.G. Bruls, H. Slaper, J.C. van der Leun & L. Berrens, (1984) Transmission of human epidermis and stratum corneum as a function of thickness in the ultraviolet and visible wavelengths. *Photochemistry and Photobiology* 40: 485-494.

LEZINGEN 2003 -2013

Slaper H, Kernongeval in Fukushima: bron, blootstelling en effecten volgens inschatting van UNSCEAR, 18 juni 2013, presentatie tbv EZ-pNIV

Slaper H, Skin cancer risks of solar ultraviolet exposure in relation to ozone depletion: from past and present to future scenarios, Scientific conference: Ozone depletion, UV exposure and skin cancer, 25 april 2012, Copenhagen, Denmark (in het kader van EU-voorzitterschap van Denemarken).

Slaper H, and den Outer P: Comparison of measured and modeled UV-radiation to validate ground and satellite based approaches for COST UV-reconstruction methods. COST 726 Final Seminar, 13-14 May 2009, Warsaw, Polen.

Slaper H, den Outer PN, van Dijk A; Reconstruction of effective UV: comparing various input sources and weighted UV from seven wavelength bands; COST-726 MCM-11 meeting, September 2008, Rome, Italy

Slaper H, den Outer PN, van Dijk A, UV-maps from COST-726 products: uncertainties; COST- 726 MCM-10 meeting, April 2008, Sevilla, Spain.

H Slaper Blootstelling aan radon in Nederland, NVS-najaarsvergadering, Amersfoort, november 2007

H Slaper, Succes van het Montreal protocol: verleden, heden en toekomst van ozon, UV en gezondheidsrisico's, lezing bij symposium Bescherming van de ozonlaag, successen van 20 jaar Montreal Protocol en lessen voor het klimaatbeleid, Bilthoven september 2007

H Slaper, A van Dijk, PN den Outer, Towards a global scenario analysis of skin cancer and cataract using the AMOUR assessment model, SCOUT-annual meeting, Crete, May 2007

H. Slaper, PN den Outer UV modeling exercise; RIVM contribution to COST-726 MCM-6, Larnaca (Cyprus), april 2006

H Slaper, Climate and ozone change effects on UV radiation and risks: efforts to assess past, present and future, invited lecture, University of Hannover february 2006

H Slaper, P N den Outer, OMI UV-validation from the perspective of environmental assessments, de Bilt, OMI-validation meeting, june 2005

H Slaper, Past and future UV-radiation and risks in relation to atmospheric change, invited paper SCOUT-O3 annual meeting, Zürich, march 2005

H Slaper, P N den Outer, User feedback on PROMOTE UV-service and products from the perspective of environmental assessments, PROMOTE project meeting, Dublin, November 2004

H Slaper, PN den Outer, J Williams, A Bais, J Kaurola, T Koskela, K Lakkala, G Seckmeyer, P Weihs. Towards a European UV-climatology utilising ground-based spectral data and satellite based analysis. *Oral presentation at the Quadrennial Ozone Symposium*, 1- 8 June, Kos, Greece, 2004.

H. Slaper. Risico's van blootstelling van de huid aan UV-straling. *NVS-najaarsvergadering*. Amersfoort The Netherlands, november 2003; op uitnodiging.

H Slaper, JE Williams, PN den Outer, Towards a European UV-climatology, EDUCE workshop, Krakow, Poland, october 2003.

H Slaper Quality assurance and quality control at the UV-monitoring sites: overview, Krakow, Poland, october 2003.

H.Slaper. Ozone and climate change effects on past, present and future UV-radiation levels: consequences for skin cancer risks, European Society for Photobiology, Vienna, Austria, september 2003; op uitnodiging

H. Slaper. Schaduwzijde van de zon: UV-stralingsbelasting en risico's in relatie tot ozon en klimaatveranderingen. *Labhoofden Lunch*, RIVM Bilthoven, The Netherlands, juli 2003.

H Slaper, Quality assessment of spectral data: data-flagging results and updates, EDUCE-workshop, Saariselka, Finland, march 2003.

H. Slaper. Climate and ozone change effects on UV-radiation and health risks. *Arctic-Alpine Ecosystems and People in a Changing Environment*. Tromsø, Norway, 2003; februari 2003, op uitnodiging.