

LIST OF PUBLICATIONS AND PRESENTATIONS

Peer-reviewed journal publications:

2000-2002

1. **Herold, M.**, Müschen, B., Steinocher, K., Müller, A. and M. Klenke (2000). Zur radiometrischen Reliefkorrektur in Fernerkundungsdaten, *Photogrammetrie, Fernerkundung, Geoinformation*, pp. 347-354.
2. **Herold, M.**, Hochschild, V. and C. Schmullius, (2000). Multifrequente und multipolarimetrische Radarfernerkundung hydrologischer Parameter der Landoberfläche, *Photogrammetrie, Fernerkundung, Geoinformation*, pp. 355-360.
3. **Herold, M.** and G. Menz (2001). Fernerkundung und Landschaftsmaße - Untersuchungen zur raumstrukturellen Analyse urbaner Regionen, *Erdkunde*, Heft 55, 4, pp. 379-394.
4. **Herold, M.**, Clarke, K. C. and J. Scean (2002). Remote sensing and landscape metrics to describe structures and changes in urban landuse, *Environment and Planning A*, vol. 34, no. 8, pp.1443-1459.

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5. **Herold, M.** Gardner, M. E., Noronha V. and D. A. Roberts (2003). Spectrometry and Hyperspectral Remote Sensing of Urban Road Infrastructure, *Online Journal of Space Communications*, 3, URL: <http://satjournal.tcom.ohiou.edu/issue03/applications.html>.
6. **Herold, M.**, Gardner, M. and D. A. Roberts (2003). Spectral Resolution Requirements for Mapping Urban Areas, *IEEE Transactions on Geoscience and Remote Sensing*, 41, 9, pp. 1907-1919.
7. **Herold, M.**, Goldstein, N. C. and K. C. Clarke (2003). The spatio-temporal form of urban growth: measurement, analysis and modeling, *Remote Sensing of the Environment*, 86, pp. 286-302.
8. **Herold, M.**, Liu X. and K. C. Clarke (2003). Spatial metrics and image texture for mapping urban land use, *Photogrammetric Engineering and Remote Sensing*, 69, 9, pp. 991-1001.

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9. **Herold, M.**, Roberts, D., Gardner, M. and P. Dennison (2004). Spectrometry for urban area remote sensing - Development and analysis of a spectral library from 350 to 2400 nm, *Remote Sensing of Environment*, 91, 3-4, pp. 304-319.

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10. **Herold, M.**, Couclelis, H. and K. C. Clarke (2005). The role of spatial metrics in the analysis and modeling of urban land use change, *Computers, Environment and Urban Systems*, 29, 4, pp. 369-399.
11. Dietzel, C., **Herold, M.**, Hemphill, J.J. and K. C. Clarke (2005). Spatio-temporal dynamics in California's Central Valley: Empirical links to urban theory, *International Journal of Geographic Information Science*, 19, 2, pp. 175-195.
12. **Herold, M.** and D. A. Roberts (2005). Spectral characteristics of asphalt road aging and deterioration: Implications for remote sensing applications, *Applied Optics*, 44, 20, pp. 4327-4334.

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13. Liu, X., Clarke, K.-C. and **M. Herold** (2006). Population density and image texture: a comparison study, *Photogrammetric Engineering and Remote Sensing*, 72, 2, pp. 187-196.
14. Jung, M., Henkel, K., **Herold, M.**, and G. Churkina (2006). Exploiting synergies of global land cover products for carbon cycle modeling, *Remote Sensing of Environment*, 101, 4, pp. 534-553.

15. **Herold, M.** and D. A. Roberts (2006). Multispectral satellites-imaging spectrometry-LIDAR: spatial - spectral tradeoffs in urban mapping, *International Journal of Geoinformatics*, 2, 1, pp. 1-14.
16. **Herold, M.**, Woodcock, C., Di Gregorio, A., Mayaux, P., Belward A., Latham, J. & C. C. Schmullius (2006). A joint initiative for harmonization and validation of land cover datasets, *IEEE Transactions on Geoscience and Remote Sensing*, 44, 7, pp. 1719-1727.
17. Mayaux P., Strahler A., Eva H., **Herold M.**, Shefali A., Naumov S., Dorado A., Di Bella C., Johansson D., Ordoyne C., Kopin I., Boschetti L. and Belward A. (2006). Validation of the global land cover 2000 map, *IEEE Transactions on Geoscience and Remote Sensing*, 44, 7, pp. 1728-1739.
18. **Herold, M.** (2006). Urban patterns and processes: a remote sensing perspective, *Photogrammetrie, Fernerkundung, Geoinformation*, 4/2006, pp. 265-276.
19. **Herold, M.**, Latham, J. S., Di Gregorio, A. and C. C. Schmullius (2006). Evolving standards on land cover characterization, *Journal of Land Use Science*, 1, 2-4, pp. 157-168.

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20. DeFries, R., Achard, F., Brown, S., **Herold, M.**, Murdiyarso, D., Schlamadinger, B. and C. De Souza (2007). Reducing greenhouse gas emissions from deforestation in developing countries: considerations for monitoring and measuring, *Environmental Science and Policy*, 10, pp. 385-394.
21. Castanho de Almeida, A. D., Prinn, R., Martins, V., **Herold, M.**, Ichoku C. and L. T. Molina (2007). Urban Visible/SWIR surface reflectance ratios from satellite and sun photometer measurements in Mexico City, *Atmospheric Chemistry and Physics Discussions*, 7, pp. 8113–8139.
22. Huettich, C., **Herold, M.**, Schmullius, C., Egorov, V. and S. Bartalev (2007). Indicators of Northern Eurasia's land cover change trends from SPOT-VEGETATION time series analysis 1998-2005, *International Journal of Remote Sensing*, 28, 18, 4199 – 4206.
23. Neumann, K., **M. Herold**, A. Hartley, and C. Schmullius (2007). Comparative assessment of CORINE2000 and GLC2000: Spatial analysis of land cover data for Europe, *Journal of Applied Earth Observation and Geoinformation*, 9, 425–437.
24. **Herold, M.** & T. Johns (2007). Linking requirements with capabilities for deforestation monitoring in the context of the UNFCCC-REDD process, *Environmental Research Letters*, 2, 045025 (7 pp), online access: erl.iop.org.
25. Gibbs, H. & **Herold, M.** (2007). Tropical deforestation and greenhouse gas emissions (Editorial), *Environmental Research Letters*, 2, 045021 (2 pp), online access: erl.iop.org.
26. **Herold M.** & A. Di Gregorio (2007). A suitable degree of standardization: a reply to the comments by Comber et al. (in this issue), *Journal of Land Use Science*, 2, 4, 289 – 291.
27. Jung, M., Vetter, M., **Herold, M.**, Churkina, G., Viovy, N., Zaehle, S., Bondeau, A., Reichstein, M., Chen, Y., Trusilova, K., Feser, F. and M. Heimann (2007). Uncertainties of modelling GPP over Europe: A systematic study on the effects of using different drivers and carbon cycle models, *Global Biogeochemical Cycles*, 21, GB4021, doi:10.1029/2006GB002915.
28. **Herold, M.**, Metz, J. and Shane R. (2007) Inferring littoral substrates, fish habitats, and fish dynamics of Lake Tahoe using IKONOS data, *Canadian Journal of Remote Sensing*, 33, 5, 445-456.

### 2008

29. **Herold, M.**, Roberts, D. A., Noronha, V. and O. Smadi (2008). Imaging spectrometry and asphalt road surveys, *Transportation Research Part C: Emerging Technologies*, 16, 153-166.
30. Wulder, M.A., J.C. White, S.N. Goward, J.G. Masek, J.R. Irons, **M. Herold**, W.B. Cohen, T.R. Loveland, and C.E. Woodcock, (2008). Landsat continuity: Issues and opportunities for land cover monitoring. *Remote Sensing of Environment*, 112, 3, pp. 955-969.
31. **Herold, M.**, Woodcock, C., Mayaux, P., Baccini, A. and C. Schmullius (2008). Some challenges in global land cover mapping: an assessment of agreement and accuracy in existing 1 km datasets, *Remote Sensing of Environment*, 112, 2538–2556.
32. **Herold, M.**, Woodcock, C.E., Loveland, T. R. Townshend, J., Brady, M., Steenmans C. and C. Schmullius (2008) Land Cover Observations as part of a Global Earth Observation System of Systems (GEOSS): progress, activities, and prospects, *IEEE Systems*, 2, 3, 414-423.

### Book chapters (reviewed):

33. Roberts, D. A. and **M. Herold** (2004). Imaging spectrometry of urban materials, in King, P., Ramsey, M.S. and G. Swayze, (eds.), *Infrared Spectroscopy in Geochemistry, Exploration and Remote Sensing*, Mineral Association of Canada, Short Course Series Volume 33, London, Ontario, pp. 155-181.
34. Hung, M-C., C. H. Davis, B. C. Forster, M. W. Hernandez, **M. Herold**, C. Lo, N. G. Maynard, T. L. Sever, and P. M. Torrens (2005). Current research and future directions in the application of remote sensing to human settlements, Remote Sensing of Human Settlements, Volume 5 of the *Manual of Remote Sensing*, American Society for Photogrammetry and Remote Sensing, Bethesda, Maryland, John Wiley and Sons, pp. 675-714.
35. **Herold, M.**, S. Schiefer, P. Hostert and D. A. Roberts (2007). Applying imaging spectrometry in urban areas, in Weng, Q. and D. Quattrochi (eds.): *Urban remote sensing*, Chapter 7, Taylor & Francis, pp. 137-162.
36. **Herold, M.**, Hemphill J. and K. C. Clarke (2007). Remote sensing and urban growth theory, in Weng, Q. and D. Quattrochi (eds.): *Urban remote sensing*, Chapter 10, Taylor & Francis, pp. 201-220.
37. Liu, X. and **M. Herold** (2007). Estimating population distributions in urban areas, in Weng, Q. and D. Quattrochi (eds.): *Urban remote sensing*, Chapter 13, Taylor & Francis, pp. 269-290.
38. **Herold, M.** (2007). Spectral characteristics of asphalt road surfaces, Weng, Q. (ed.). *Remote Sensing of Impervious Surfaces*, 237-250.
39. Rashed, T., Weeks, J., Couclelis, H. and **M. Herold** (2007). An integrative GIS and remote sensing model for place-based urban vulnerability analysis, *Integration of GIS and Remote Sensing*, John Wiley and Sons, Ltd, 199-232.
40. **Herold, M.** and X. H. Liu (2007). Of patterns and processes: spatial metrics and geo-statistics in urban analysis, in Mesev, V. (ed.). *Integration of GIS and Remote Sensing*, John Wiley and Sons, Ltd, 93-116.
41. **Herold, M.** (2007). Global land cover observations, Group on Earth Observation - GEO (ed.): *The Full Picture*, Publication for GEO ministerial summit Nov. 2007 in Capetown, Tudor Rose, 235-237.
42. **Herold, M.** (2007). Improved global land cover observations and assessments, Group on Earth Observation - GEO (ed.): *The First 100 Steps to GEOSS*, Publication for GEO ministerial summit Nov. 2007 in Capetown, 48-49.
43. **Herold, M.** (2009). Some Recommendations for Global Efforts in Urban Monitoring and Assessments from Remote Sensing, Gamba, P & M. Herold. *Global Mapping of Human settlement: experiences, data sets, and prospects*, Taylor and Francis.
44. **Herold, M.** & M. Skutch (2009). Measurement, reporting and verification for REDD+: objectives, capacities and institutions, National REDD Architecture and Policies, CIFOR book, [http://www.cifor.cgiar.org/Knowledge/Publications/DocumentDownloader?a=d&p=%5Cpublications%5Cpdf\\_files%5CBooks%5CBAngelsen0902.pdf](http://www.cifor.cgiar.org/Knowledge/Publications/DocumentDownloader?a=d&p=%5Cpublications%5Cpdf_files%5CBooks%5CBAngelsen0902.pdf)
45. **Herold, M.** and D. A. Roberts (2010). The spectral dimension in urban remote sensing. in Juergens, C. and T. Rashed (eds.) *Remote Sensing of Urban and Suburban Areas*, Springer,

### Thesis/Books:

46. **Herold, M.** (2000): Bestimmung hydrologischer Parameter aus multifrequenten und multipolarimetrischen E-SAR-Flugzeugdaten, Diplomarbeit Institut für Geographie der Friedrich Schiller Universität Jena, 104p.
47. **Herold, M.** (2004). Remote sensing and spatial metrics for mapping and modeling of urban structures and growth dynamics, Dissertation thesis, University of California Santa Barbara, June 2004, 353p.
48. **Herold, M.** (2008). Building saliency, legitimacy, and credibility towards operational global and regional land cover observations and assessments, Habilitation thesis/Habilitationsschrift submitted to Faculty of Chemistry and Geosciences, Friedrich-Schiller-Universität Jena, 551p.
49. Gamba, P & **M. Herold** (eds.) (2010). *Global Mapping of Human settlement: experiences, data sets, and prospects*, CRC Press, 374 pages, ISBN-13: 978-1420083392.

## Published reports:

50. Brecher, A., Noronha, V. and **M. Herold** (2004). UAV2003: A roadmap for deploying unmanned aerial vehicle (UAVs) in transportation, Findings of Specialist Workshop in Santa Barbara, CA, December 2003., URL: <http://www.ncgia.ucsb.edu/ncrst/meetings/uav2003/ncgia.html>.
51. **Herold M.**, Neumann, K. and C. Schmullius (2004). Report on the Land Cover Implementation Team Meeting, Jena, Germany, 2–4 March 2004, GOFC-GOLD report series 18. URL: <http://www.fao.org/gtos/gofc-gold/series.html>.
52. **Herold M.** and C. Schmullius (2004). Report on the Harmonization of global and regional land cover products, Workshop report at FAO, Rome, Italy, 14-16 July 2004, GOFC-GOLD report series 20. URL: <http://www.fao.org/gtos/gofc-gold/series.html>.
53. Strahler, A., Boschetti, L., Foody, G. M., Fiedl, M. A., Hansen, M. C., **Herold, M.**, Mayaux, P., Morisette, J. T., Stehman, S. V., Woodcock, C. (2006). Global Land Cover Validation: Recommendations for Evaluation and Accuracy Assessment Of Global Land Cover Maps, Report of Committee of Earth Observation Satellites (CEOS) - Working Group on Calibration and Validation (WGCV), JRC report series.
54. Townshend, J., Brady, M., Csizsar, I., **Herold, M.**, Goldammer, J., Justice, C., Schmullius, C. and D. Skole (2005). A revised strategy for global observations of forest cover and land dynamics, GOFC-GOLD report series 24, [www.fao.org/gtos/gofc-gold](http://www.fao.org/gtos/gofc-gold).
55. **Herold, M.**, DeFries, R., Achard, F., Skole, D. and J. Townshend (2006). Report of the workshop on monitoring tropical deforestation for compensated reductions, GOFC-GOLD Symposium on Forest and Land Cover Observations, Jena, Germany, 21–22nd March 2006, GOFC-GOLD report series, <http://www.fao.org/gtos/gofc-gold/series.html>.
56. **Herold, M.**, Sambale, J. and C. Schmullius (2006). Report of the Land Cover Implementation Team meeting, Jena, Germany, 23–24th March 2006, GOFC-GOLD report series, <http://www.fao.org/gtos/gofc-gold/series.html>.
57. DeFries, R., Achard, F., Brown, S., **Herold, M.**, Murdiyarso, D., Schlamadinger, B. and C. De Souza (2006). Reducing greenhouse gas emissions from deforestation in developing countries: considerations for monitoring and measuring, Global Terrestrial Observing System of the United Nations (GTOS) report 46, [www.fao.org/gtos/pubs.html](http://www.fao.org/gtos/pubs.html).
58. **Herold, M.** Sambale, J. and C. Schmullius (2007). Measuring and monitoring greenhouse gas emissions from deforestation in developing countries: From case studies to implementation guidelines, Report of the 2nd GOFC-GOLD Workshop on Reducing Emissions from Deforestation, St. Cruz, Bolivia, 17-19 April 2007, GOFC-GOLD Report No. 30, [www.fao.org/gtos/gofc-gold/series.html](http://www.fao.org/gtos/gofc-gold/series.html).
59. Townshend, J.R., Latham, J., Arino, O., Balstad, R., Belward, A., Conant, R., Elvidge, C., Feuquay, J., El Hadani, D., **Herold, M.**, Janetos, A., Justice, C.O., Liu Jiyuan, Loveland, T., Nachtergaele, F., Ojima, D., Maiden, M., Palazzo, F., Schmullius, C., Sessa, R., Singh, A., Jeff Tschirley, J. and Yamamoto, H. (2007) Integrated Global Observation of Land: an IGOS-P Theme.
60. **Herold, M.**, Sambale, J., Lindner, M., and Urban, M. 2007. Vanuatu Forest Change Assessment 1990-2000 using satellite data. Phase I Project Report No. 1. Vanuatu Carbon Credits Project. School of Geography, Environment and Earth Sciences, Victoria University of Wellington..
61. **Herold, M.**, Brady, M., Woodcock, C., Schmullius C. and J. Latham (2007). Land cover, in Terrestrial Essential Climate Variables for Climate Change Assessment, Mitigation and Adaptation, GTOS Biennial report supplement, Report of the Global Terrestrial Observing System (GTOS) Nr. 52, URL: [www.fao.org/gtos](http://www.fao.org/gtos), 28-29.
62. **Herold, M.**, Brady, M., Wulder, M. and D. Kalensky (2007). Biomass, in Terrestrial Essential Climate Variables for Climate Change Assessment, Mitigation and Adaptation, GTOS Biennial report supplement, Report of the Global Terrestrial Observing System (GTOS) Nr. 52, URL: [www.fao.org/gtos](http://www.fao.org/gtos), 34-35.
63. Achard, F., Grassi, G., **Herold, M.**, Teobaldelli, M. and D. Mollicone (2008). The use of satellite remote sensing in the LULUCF sector, Background paper requested by the IPCC Expert Meeting in Helsinki, May 2008, to consider the current IPCC guidance on estimating emissions and removals of greenhouse gases from land uses such as agriculture and forestry. GOFC-GOLD report series 33, [www.fao.org/gtos/gofc-gold/series.html](http://www.fao.org/gtos/gofc-gold/series.html).

64. **Herold, M** et al. 2010. GOF-C-GOLD Sourcebook on REDD monitoring and capacity building: [www.gofc-gold.uni-jena.de/redd/](http://www.gofc-gold.uni-jena.de/redd/)
65. **Herold M.** et al., 2009. GTOS land cover ECV standardization document: <http://www.fao.org/gtos/doc/ECVs/T09/T09.pdf>
66. **Herold M.** 2009. Global country capacity assessment report (REDD): [http://princes.3cdn.net/8453c17981d0ae3cc8\\_q0m6vsqxd.pdf](http://princes.3cdn.net/8453c17981d0ae3cc8_q0m6vsqxd.pdf)
67. **Herold M.** (one of four lead authors): UNFCCC technical paper on costs for REDD monitoring: <http://unfccc.int/resource/docs/2009/tp/01.pdf>

#### **Conference and workshop publications and presentations (incl. Colloquia):**

##### **1999 - 2000**

68. **Herold, M.**, Hochschild, V., Klenke, M. and A. Müller (1999). Classification and analysis of multifrequent and multipolarimetric airborne E-SAR data for hydrological applications, in Proceedings of AK Interpretation of Remote Sensing Data, Environmental Assessment and Monitoring, 28.-29. April 1999, Halle, Germany, on CD-Rom.
69. **Herold, M.** (2000). Hydrologische Auswertung multifrequenter und multipolarimetrischer E-SAR Flugzeugdaten, in Proceedings of the 19th Scientific-Technical Symposium "Neue Sensoren – neue Anwendungen" of the German Society of Photogrammetry and Remote Sensing 13.-15. October 1999, Essen, Germany, pp. 381-389.
70. **Herold, M.**, Hajnsek, I. and C. Schmullius (2000). Multifrequency and polarimetric radar remote sensing of grassland - geo-biophysical Parameter Retrieval with Airborne E-SAR Data, in Buchroithner, M. F. (2001): A Decade of Trans-European Remote Sensing Cooperation, Proceedings of the 20th EARSeL Symposium Remote Sensing in the 22st Century: A Decade of Trans-European Remote Sensing Cooperation, 14 - 16 June 2000, Dresden, Germany, pp. 95-102.
71. **Herold, M.** and G. Menz (2000). Landscape Metric Signatures (LMS) to improve urban landuse information derived from remotely sensed data, in Buchroithner, M. F. (2001): A Decade of Trans-European Remote Sensing Cooperation, Proceedings of the 20th EARSeL Symposium Remote Sensing in the 22st Century: A Decade of Trans-European Remote Sensing Cooperation, 14 - 16 June 2000, Dresden, Germany, pp. 251-256.

##### **2001**

72. Hochschild, V. and **M. Herold** (2001). Hydrological analysis of high resolution multifrequent, multipolarimetric and interferometric airborne SAR data, in Remote Sensing and Hydrology 2000 (Proceedings of a symposium held at Santa Fe, New Mexico, USA, April 2000). IAHS Publ. no. 267, 2001, pp. 349–353.
73. **Herold, M.** and V. Hochschild (2001). Analysis of high resolution multifrequent, multipolarimetric and interferometric airborne SAR Data for hydrologic model parameterisation, in Leibundgut C., Uhlenbrook S., McDonnell J. (eds.): Runoff generation and implications for river basin modelling (International Workshop Proceedings, October 2000, University of Freiburg), Freiburger Schriften zur Hydrologie, Heft 13.
74. **Herold, M.**, Menz, G. and K. C. Clarke (2001). Remote Sensing and Urban Growth Models – Demands and Perspectives, in Juergens, C. (2001): Proceedings of the Symposium on Remote Sensing of Urban Areas, Regensburg, Germany, June 2001, Regensburger Geographische Schriften Heft 35 (on supplement CD Rom).
75. **Herold, M.** (2001). Remote sensing and spatial metrics – a new approach for the description of structures and changes in urban areas, Proceedings of International Remote Sensing and Geoscience Symposium (IGARSS), in Sydney, July 2001 (on CD Rom).
76. **Herold, M.**, Shi, J.C. and C. Schmullius (2001). Multi-parameter airborne SAR remote sensing of soil moisture in agricultural areas, Proceedings of International Remote Sensing and Geoscience Symposium (IGARSS), in Sydney, July 2001 (on CD Rom).
77. **Herold, M.**, Pathe, C. and C. Schmullius (2001). The effect of free vegetation water on the multi-frequency and polarimetric radar backscatter – first results from TerraDew 2000 campaign, Proceedings of International Remote Sensing and Geoscience Symposium (IGARSS), Sydney, July 2001 (on CD Rom).

78. Thiel C., Gruenler, S., **Herold, M.**, Hochschild, V., Jaeger G. and M. Hellmann (2001). Interpretation and Analysis of polarimetric L-Band E-SAR-Data for the Derivation of hydrologic Land Surface Parameters, Proceedings of International Remote Sensing and Geoscience Symposium (IGARSS), in Sydney, July 2001 (on CD Rom).
79. **Herold, M.**, Zwenzner, H., Hajnsek, I., Davidson, M. and C. C Schmullius (2001). Acquisition and evaluation of field measurements from the Alling-SAR 2000 campaigns, Proceedings of the 3rd International Symposium on Retrieval of Bio- and Geophysical Parameters from SAR Data for Land Applications, 11th - 14th September 2001, SCEOS, Sheffield, UK.
80. Pathe, C., Schmullius, C. C., Riedel, T., Mueller, A., **Herold, M.** and C. Thiel (2001). Influence of diurnal variations of surface wetness on class separability of agricultural crops using multi-parametric E-SAR data with respect to future TerraSar and Envisat-applications, Proceedings of the 3rd International Symposium on Retrieval of Bio- and Geophysical Parameters from SAR Data for Land Applications, 11th - 14th September 2001, SCEOS, Sheffield, UK.
81. Riedel, T., Pathe, C., Thiel C., **Herold, M.** and C. C Schmullius (2001). Systematic investigation on the effect of dew and interception of multifrequency, multipolarimetric and multiscale Radar backscatter signals, Proceedings of the 3rd International Symposium on Retrieval of Bio- and Geophysical Parameters from SAR Data for Land Applications, 11th - 14th September 2001, SCEOS, Sheffield, UK.

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82. Roberts, D.A., Gardner, M., Powell, B., Dennison, P., **Herold, M.** and V. Noronha (2002). Mapping roads and other urban materials using AVIRIS, presented at AVIRIS Workshop March 2002, JPL Pasadena, USA.
83. **Herold, M.** and K. C. Clarke (2002): Using multi-scale information for detection of urban growth patterns, present at AAG annual meeting March 2002, Los Angeles, USA.
84. **Herold, M.**, Goldstein, N., Menz, G. and K. C. Clarke (2002). Remote Sensing based analysis of urban Dynamics in the Santa Barbara region using the SLEUTH urban growth model and spatial metrics, Proceedings of the 3rd Symposium on Remote Sensing of Urban Areas, June 2002, Istanbul, Turkey.
85. **Herold, M.**, Gardner, M., Hadley, B. and D. A. Roberts (2002). The spectral dimension in urban land cover mapping from high-resolution optical remote sensing data, Proceedings of the 3rd Symposium on Remote Sensing of Urban Areas, June 2002, Istanbul, Turkey.
86. **Herold, M.**, Mueller, A., Guenter, S. and J. Scepan (2002). Object-oriented mapping and analysis of urban land use/cover using IKONOS data, Proceedings of the 22nd EARSEL symposium, Prague, June 2002.
87. **Herold, M.**, Menz, G. and K. C. Clarke (2002). A multi-scale framework in mapping and analysis of spatial and temporal urban growth pattern, Proceedings of the 22nd EARSEL symposium, Prague, June 2002.
88. Noronha, V., **Herold, M.**, Gardner, M. and D. A. Roberts (2002). Spectrometry and Hyperspectral Remote Sensing for Road Centerline Extraction and Evaluation of Pavement Condition, Proceedings of the Pecora Conference, Denver, CO, November 2002.
89. Shi, J., **Herold, M.** and C. C. Schmullius (2002). Quantitative comparison of IEM calculations with L-band SAR measurements in agriculture areas, Proceedings of the first International Symposium on Recent Advances in Quantitative Remote Sensing, Ed Jose A. Sobrino, Valencia, Spain, pp. 770-777.

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90. **Herold, M.**, Guenter, S. and K. C. Clarke (2003). Mapping urban areas in Santa Barbara South Coast using IKONOS data and Ecognition, Ecognition Application Note, URL: <http://www.definiens-imaging.com/documents/an/sb.pdf>.
91. Ying, S. C., **Herold, M.** and K. C. Clarke (2003). Exploring the urban future of Santa Barbara, CA, using the What If – Planning Support System, presented at AAG annual meeting March 2003, New Orleans, USA.
92. **Herold, M.**, Couclelis, H., Menz, G. and K. C. Clarke (2003). A framework for the analysis and modeling of urban dynamics combining remote sensing and spatial metrics, presented at International Conference on Framing Land Use Dynamics, Utrecht, Netherlands.

93. **Herold, M.**, Ying, S. C. and and K. C. Clarke (2003). Exploring the What If planning support system for development of the Santa Barbara urban region, presented at International Conference on Framing Land Use Dynamics, Utrecht, Netherlands.
94. Braun, M. and **M. Herold** (2003). Mapping imperviousness using NDVI and linear spectral unmixing of ASTER data in the Cologne-Bonn region Germany, Proceedings of SPIE 2003, Barcelona, Spain.

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95. **Herold, M.**, Roberts, D.A., Smadi, O. and V. Noronha (2004). Road condition mapping using hyperspectral remote sensing, Proceedings of the 2004 AVIRIS workshop, March 31 - April 2, Pasadena, CA.
96. Metz, J., **Herold, M.**, and S. Romsos (2004). Mapping fish habitats in Lake Tahoe for planning and management, Proceedings of ESRI user conference 2004, p. 2006.
97. **Herold, M.** (2004). Framing harmonization of land cover datasets, presented at GOF-C-GOLD Workshop at FAO, Rome, Italy, 14-16 July 2004.
98. **Herold, M.** and C. Schmullius (2004). GOF-C-GOLD Efforts in harmonization and validation of land cover datasets, presented at LUC Carbon Workshop, Copenhagen August 2004.
99. **Herold, M.** (2004). Continuity and consistency for land cover data – GOF-C-GOLD / GTOS activities, presented at implementation meeting of IAO/USAID/FAO/UNEP experts on land cover mapping and change assessment, Florence, September 2004.
100. **Herold, M.** and C. Schmullius (2004). GOF-C-GOLD and the ESA Land Cover Implementation Project Office, Colloquium at German Space Agency, Bonn October 2004.
101. **Herold, M.**, Schmullius, C., Morissette, J. and G. Foody (2004). GOF-C-GOLD and CEOS Cal/Val contributions to harmonization and validation of land cover datasets, presented at LUC land use workshop, Amsterdam October 2004.
102. **Herold, M.** (2004). Analysis and modeling of urban areas – examples and experiences from California, Colloquium at Environmental Research Center (UFZ), Leipzig/Halle, October 2004.
103. **Herold, M.** and C. Schmullius (2004). GOF-C-GOLD Land Cover Implementation Project Office and it's activities, presented at Arbeitskreis Fernerkundung der Deutschen Gesellschaft für Geographie, Bonn, November 2004.

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104. **Herold, M.**, Hemphill J., Dietzel C. and K. C. Clarke (2005). Remote sensing derived mapping to support urban growth theory, Proceedings of URS2005 conference, Phoenix, AZ, March 2005.
105. **Herold, M.** and D. A. Roberts (2005). Mapping asphalt road conditions with hyperspectral remote sensing, Proceedings of URS2005 conference, Phoenix, AZ, March 2005.
106. **Herold, M.** and C. C. Schmullius (2005). International earth observation initiatives and programs: the context for global urban mapping, Proceedings of URS2005, Phoenix, AZ, March 2005.
107. **Herold, M.** (2005). Importance and benefits for standardization in land cover observations and assessment, presented at capacity building workshop of the UN Global Land Cover Network for China, Beijing, China, April 2005.
108. **Herold, M.** (2005). Importance and strategies for harmonization of land cover observations, presented at GOF-C-GOLD workshop of the Northern Eurasia Regional Information Network (NERIN), St. Petersburg, Russia, June 2005.
109. **Herold, M.** and C. Schmullius (2005). Global land cover observations – international strategies and implementation, presented at International Symposium for Remote Sensing of the Environment (ISRSE), St. Petersburg, Russia, June 2005.
110. Schmullius, C., Balzter, H., Plummer, S., Gerlach, R, and **M. Herold** (2005). SIBERIA II - multi-product and multi-sensor validation strategies in the context of GLOBCARBON, GLOBCOVER and GOF-C-GOLD, presented at International Symposium for Remote Sensing of the Environment, St. Petersburg, Russia, June 2005.
111. **Herold, M.**, K. Neumann, C. Schmullius (2005). GOF-C-GOLD Initiative zur Harmonisierung und Validierung von Land-Cover-Datensätzen, Proceedings of DGPF annual conference, 21.-23. September 2005, Rostock, on CD Rom.

112. **Herold, M.** and C. Schmullius (2005): Vegetation continuous fields products in the context of international harmonization/validation initiatives, GOFC-GOLD/CEOS WGCV export VCF validation workshop, Brookings, South Dakota, 27/28. October 2005.
113. **Herold, M.** (2005). GOFC-GOLD to support terrestrial earth observation for the UN convention on biodiversity (UNCBD). Presentation at GTOS/FAO side event to the SBSTA of the UNCBD, Montreal, December 2005.
114. K. Neumann, **Herold, M.** and C. Schmullius (2005). Land cover observations to support the United Nations Framework Convention on Climate Change (UNFCCC), Poster presentation at GCOS conference for observing essential climatic variables, Krakow, Poland, December 2005.
115. Boberg, G., Brady, M., **M. Herold**, and C. Schmullius (2005). Proposal for a GEO Community of Practice for Forest Observations, Presentation to User Interface Committee at the Group on Earth Observation (GEO) 2nd plenary session, 16. Dec. 2005. Geneva, Switzerland.

## **2006**

116. **Herold, M.**, J. Hemphill, Xiaohang Liu and K. C. Clarke (2006). Urban patterns and processes: a remote sensing perspective, Proceedings of the 1st workshop of the EARSeL Special Interest Group Urban Remote Sensing, Berlin, March 2006.
117. **Herold, M.** (2006). The GOFC-GOLD/CEOS harmonization/validation initiative for land cover observations, GOFC-GOLD symposium on forest and land cover observations, Jena, March 2006.
118. **Herold, M.**, D. Knorr, K. Kornhaß, A. Shvidenko, O. Cartus and C. Schmullius (2006). Building confidence in global vegetation continuous fields tree cover products? A Siberia case study. Presentation at EGU conference, Vienna, April 2006.
119. **Herold M.**, Latham J., di Gregorio A. and C. Schmullius (2006). GTOS/GOFC-GOLD activities for evolving standards in land cover characterization. Proceedings of the ISPRS Commission VII Mid-term Symposium, Enschede, May 2006.
120. **Herold M.**, Latham J., Neumann, K.. and C. Schmullius (2006). Land cover observations to support the UN Rio Conventions, Proceedings of the ISPRS Commission VII Mid-term Symposium, Enschede, May 2006.
121. **Herold, M.** (2006). A community consensus on monitoring deforestation for compensated reductions using earth observations, presentation at the Workshop on Reducing Emissions from Deforestation in Developing Countries, Bad Blumau, Austria, May 2006,
122. **Herold, M.** (2006). Monitoring deforestation for compensated reductions, Presentation at side event to UNFCCC SBSTA 24, Bonn, Germany, organized by Environmental Defense (NGO).
123. **Herold, M.**, C. Huettig, S. Bartalev and C. Schmullius (2006). Coarse-scale land change processes in Northern Eurasia-an analysis using SPOT-VGT 1998-2005 data. Presentation at 2nd International Conference on land cover/land use study using Remote Sensing and GIS, Ulaanbaatar, Mongolia, June 2006.
124. **Herold, M.**, D. Knorr, K. Kornhaß, A. Shvidenko, O. Cartus, and C. Schmullius (2006). Global vegetation continuous field tree cover products and Siberian forest types, Presentation at 2nd International Conference on land cover/land use study using Remote Sensing and GIS, Ulaanbaatar, Mongolia, June 2006.
125. **Herold, M.** (2006). GEO land cover task progress and coordination (with some notes on UNFCCC activities), presentation at land cover breakout group at Global Vegetation workshop, Missoula, Montana, August 2006.
126. **Herold M.** and A. Di Gregorio (2006). Introduction to the UN Land Cover Classification System (LCCS), Special workshop and tutorial at EARSeL Land Cover Special Interest Group Workshop, Bonn, Germany, September 2006.
127. **Herold, M.** (2006). Earth observation and avoiding tropical deforestation, Invited presentation at 2nd Göttingen GIS and Remote Sensing Days, Göttingen, October 2006.
128. Herold, M., Sambale, J. and C. Schmullius (2006). GOFC-GOLD activities towards operational land cover observations, Presentation at 2nd Göttingen GIS and Remote Sensing Days, Göttingen, October 2006.
129. Hüttich, C. **Herold, M.**, Schmullius, C. Egorov V. and S. A. Bartalev (2006). Trends in Northern Eurasia's land cover derived on SPOT-VGT time series analysis 1998-2005. Presentation at 2nd Göttingen GIS and Remote Sensing Days, Göttingen, October 2006.

130. **Herold, M.** (2006). GOF-C-GOLD contribution to the Global Remote Sensing Assessment for FAO's Forest Resources Assessment 2010, Presentation at FAO/UNEP expert meeting on the methodology and implementation aspects of the FRA 2010 remote sensing survey, at H. John Heinz III Center for Science, Economics, and the Environment, Washington, DC, October 2006.
131. **Herold, M.** (2006). Progress on GEO land cover and forest observation tasks in the GEO 2006 workplan, Coordination meeting for GEO task AG-06-04, at H. John Heinz III Center for Science, Economics, and the Environment, Washington, DC, October 2006.
132. **Herold, M.** (2006). Towards a Global Observation System of Biodiversity and Land Cover Changes: Solutions for Sustainable Development, Session co-chair presentation at Earth System Science Partnership (ESSP) open meeting, Beijing, China, November 2006.
133. **Herold, M.** and M. Brady (2006). Building a GEO community of practice for forest observations, Booth presentation at GEO plenary, Bonn, Germany, November 2006.

## **2007**

134. **Herold, M.** (2007). Land cover observations from space to support the UN Rio Conventions, 2<sup>nd</sup> ESA Space and Society Conference – Space options for the 21<sup>st</sup> century, ESA-ESTEC, February 2007, Noordwijk, Netherlands.
135. **Herold, M.** (2007). Evolving a GEO work plan task on global land cover observations, GEO DA-07-02 workshop, Washington DC, 3-4.4.2007
136. **Herold, M.** (2007). Activities of GOF-C-GOLD in the context of Reducing Emissions from Deforestation, Invited presentation at the The Nature Conservancy's Technical Advisory Panel meeting, 1. and 2. April 2007, Washington DC, USA.
137. **Herold, M.** (2007). Global land cover standards and tropical deforestation monitoring in the context of the UNFCCC, Invited presentation at NASA land cover and land use change science team meeting, University of Maryland, 4-6.4.2007.
138. **Herold, M., Sambale, J., Latham, J., Volden, E. and Schmullius, C.** (2007). Land cover observations from space to support the UN Rio Conventions, Invited presentation for special session on Global Environment and International Environmental Conventions at ESA-ENVISAT Symposium, Montreux, CH, 23-27. April. 2007.
139. Arino, O., Leroy, M., Ranera, F., Gross D., Bicheron, P., Nino, F., Brockman, C., Defourny, P., Vancutsem, C., Achard, F., Durieux, L., Bourg, L., Latham, J., Di Gregorio, A., Witt, R., **Herold, M., Sambale, J., Plummer, S., Weber, J.-L., Goryl, P. and N. Houghton** (2007). GLOBCOVER – a global land cover service with MERIS, Proceedings of Envisat Symposium 2007, on CD Rom.
140. **Herold, M.** (2007). An earth observation Vanuatu case study for reducing emissions from deforestation developing countries, 2<sup>nd</sup> GOF-C-GOLD workshop on measuring and monitoring greenhouse gas emissions from tropical deforestation in the context of the UNFCCC, 17.-19.4.2007, Santa Cruz, Brazil.
141. **Herold, M.** (2007). Urban pattern and processes: a remote sensing perspective, Invited presentation at 13<sup>th</sup> Brazilian Symposium on Remote Sensing (SBSR XIII), April 2007, Florianopolis, Brazil.
142. **Herold, M.** (2007). Applying Imaging Spectrometry in Urban Areas, Invited presentation at 13<sup>th</sup> Brazilian Symposium on Remote Sensing (SBSR XIII), April 2007, Florianopolis, Brazil.
143. **Herold, M.** (2007). Monitoring deforestation in Vanuatu 1990-2000. Side event presentation (Vanuatu side event) at UNFCCC/SBSTA 26, Bonn, Germany, 7. May 2007.
144. **Herold, M.** (2007). Synthesis of case studies and first recommendations for implementation at national level for monitoring REDD, Side event presentation (joint ESA/GOF-C-GOLD side event) at UNFCCC/SBSTA 26, Bonn, Germany, 11. May 2007.
145. Arino, O., Leroy, M., Ranera, F., Gross, D., Bicheron, P., Nino, F., Brockman, C., Defourny, P., Vancutsem, C., Achard, F., Durieux, L., Bourg, L., Latham, J., Di Gregorio, A., Witt, R., **Herold, M., Sambale, J., Plummer, S., Weber, J.-L., Goryl, P. and N. Houghton** (2007). GlobCover: A Global Land Cover service with MERIS, Proceedings of the ESA ENVISAT symposium, Montreux Switzerland, on CD Rom.
146. Huettig, C., **Herold, M.** and C. Schmullius (2007). Land Cover Change in Northern Eurasia: Synergy indications from various coarse resolution satellite observations, Proceedings of the Tri-National Conference 2007 of the Swiss, Austrian and German Society for Photogrammetry and Remote Sensing, 19.-21.06.2007, Basel/ Switzerland.

147. **Herold, M.**, Sambale, J., Lindner, M., Urban, M. and S. Weaver (2007). Satellite based monitoring of the national forest resources in the pacific island state of Vanuatu, Proceedings of the Tri-National Conference 2007 of the Swiss, Austrian and German Society for Photogrammetry and Remote Sensing, 19.-21.06.2007, Basel/ Switzerland, pp. 319-328.
148. Arino, O., Leroy, M., Ranera, F., Gross, D., Bicheron, P., Nino, F., Brockman, C., Defourny, P., Vancutsem, C., Achard, F., Durieux, L., Bourg, L., Latham, J., Di Gregorio, A., Witt, R., **Herold, M.**, Sambale, J., Plummer, S., Weber, J.-L., Goryl, P. and N. Houghton (2007). GlobCover: ESA service for Global Land Cover from MERIS, Proceedings of the International Geoscience and Remote Sensing Symposium (IGARSS) 2007, on CD Rom.
149. Huettig, C., **Herold, M.** and C. Schmullius (2007). Observing human activities in Northern Eurasia from DMSP nighttime lights time series data, Presentation at 58. Berg- und Hüttenmännischer Tag - Freiburger Forschungsforum 2007.
150. **Herold, M.**, Achard, F. and R. DeFries (2007). GOF-C-GOLD activities for Reducing Emissions from Deforestation, Presentation at GOF-C-GOLD land cover team meeting, 24-26.Oct. 2007, Boston.
151. **Herold, M.**, and T. Loveland (2007). GEO task on global land cover (DA-07-02) – report after 2 years of implementation, Presentation at GOF-C-GOLD land cover team meeting, 24-26.Oct. 2007, Boston.
152. **Herold, M.** (2007). Considerations for Monitoring and Measuring Terrestrial ECVs, presentation at UNFCCC COP 13 side event organized by ESA on "Space supporting UNFCCC - global products for a better understanding of our climate", Dec. 2007, Bali, Indonesia.
153. **Herold, M.** (2007). Global monitoring of Terrestrial ECVs, presentation at UNFCCC COP 13 side event organized by FAO/GTOS on " Terrestrial Essential Climate Variables for assessment, mitigation and adaptation", Dec. 2007, Bali, Indonesia.
154. **Herold, M.** (2007). Background and scope for developing a sourcebook for REDD implementation activities, presentation at UNFCCC COP 13 side event organized by WINROCK on "REDD preparedness: a sourcebook for high quality and cost effective estimation ", Dec. 2007, Bali, Indonesia.
155. **Herold, M.**, Sambale J. Weaver S., Viranamangga, R., and Eckardt R. 2007. Preparing for REDD: a Satellite based Deforestation Assessment in the pacific Island state of Vanuatu, Presentation at Pacific GIS&RS Conference, December 2007, Suva, Fiji.

## **2008**

156. **Herold M.** (2008). Building REDD capacities for national forest monitoring in Vanuatu, Workshop of Vanuatu's National Advisory Committee on Climate Change, Febr. 2008, Port Vila, Vanuatu.
157. **Herold M.**, Sambale J. Weaver S., Viranamangga, R., and Eckardt R. (2008). A satellite-based deforestation assessment for the pacific island state of Vanuatu, eProceedings of the EARSEL workshop on remote sensing in developing countries, March 2008, Bochum, Germany,
158. **Herold, M.**, Jung, M., Schultz, M., Göhmann, H., Sambale, J. & C. Schmullius (2008). Comparative assessment on agreement and accuracy of existing 1 km land cover datasets, Poster presentation EGU general assembly April 2008 in Vienna.
159. Urban, M., **Herold, M.**, Bartalev S. & C. Schmullius (2008). Synergistic analysis of global land cover data sets indicating areas of loss in Russians agriculture between 1992 – 2001, Poster presentation EGU general assembly April 2008 in Vienna.
160. **Herold, M.** (2008). The GOF-C-GOLD REDD sourcebook: development: background, status, next steps, Invited presentation at 2<sup>nd</sup> GEOSS Asia-Pacific workshop, April 2008 in Tokyo, Japan.
161. **Herold, M.** (2008). GEO activities on global land cover observations: tasks DA-07-02 and US-06-02, Invited presentation at 2<sup>nd</sup> GEOSS Asia-Pacific workshop, April 2008 in Tokyo, Japan.
162. **Herold, M.** (2008). GOF-C-GOLD REDD sourcebook for national implementation: background, status, next steps, Invited presentation from Coalition for Rainforest Nations at Government of Panama national REDD workshop, April 2008 in Panama City.
163. **Herold, M.** (2008). Global land cover observations: status and prospects, presentation at Global Land Use Data Workshop, organized by Institute of Social Ecology (IFE), Vienna, and the Netherlands Environmental Assessment Agency (MNP), May 2008, Vienna.

164. **Herold, M.** (2008). UNFCCC driving observation progress for forests: links between REDD and biodiversity, presentation at ESA side event at the UN Convention on Biological Diversity conference of the parties, May 2008, Bonn.
165. **Herold, M.** (2008). Building forest and carbon monitoring capabilities for Vanuatu, presentation at Vanuatu side event at UNFCCC/SBSTA 28, June 2008, Bonn.
166. **Herold, M.** (2008). GEO activities on global land cover observations: task DA-07-02, presentation at Forest carbon tracking expert meeting at GEO secretariat, June, 2008, Geneva.
167. **Herold, M.** (2008). Building national forest carbon monitoring capabilities for reducing emissions from deforestation (REDD), invited presentation at UNFCCC REDD methodological meeting and negotiations, June, 2008, Tokyo.
168. **Herold, M.** (2008). Global land cover and forest observations, invited presentation at Stanford Energy Modeling Forum (EMF), July 2008, Snowmass, CO.
169. Eckart, R., **Herold, M.**, Sambale, J. and S. Weaver (2008). Monitoring deforestation patterns and processes in the Pacific island state of Vanuatu, Presentation at AGIT/GI-Forum, Salzburg, July 2008.
170. **Herold, M.**, Sambale, J., and C. Schmullius (2008). Evaluation of the GLOBCOVER V2 global land cover map, presentation at 3. GLOBCOVER user consultation meeting at European Environmental Agency (EEA), September 2008, Copenhagen.
171. **Herold, M.** (2008). Current approaches for estimating emissions from Land Use and Land Use Change, presentation at Worldbank World Development Report 2010 expert consultation, September 2008, Washington DC.
172. **Herold, M.**, Schmullius, C., and O. Arino (2008). Building saliency, legitimacy, and credibility towards operational global land cover observations, Proceedings of 2nd ENVISAT MERIS/AATSR user meeting, September 2008, Frascati.
173. Arino, O., Leroy, M., Ranera, F., Gross, D., Bicheron, P., Nino, F., Brockman, C., Defourny, P., Vancutsem, C., Achard, F., Durieux, L., Bourg, L., Latham, J., Di Gregorio, A., Witt, R., **Herold, M.**, Schmullius, C., Plummer, S., Weber, J.-L., Goryl, P. and N. Houghton (2008). Globcover, Proceedings of 2nd ENVISAT MERIS/AATSR user meeting, September 2008, Frascati.
174. **Herold, M.** and C. Woodcock (2008). Progress for operational global land cover accuracy assessments, presentation at CEOS working group on calibration and validation workshop, October 2008, Avignon.
175. **Herold, M.** (2008). Evolving data sources and technologies, presentation at 3<sup>rd</sup> GOF-C-GOLD land cover symposium, October 2008, Jena.
176. **Herold, M.** (2008). Accuracy assessment and area estimation from satellite derived activity data – needs from LULUCF and REDD, presentation at 3<sup>rd</sup> GOF-C-GOLD land cover symposium, October 2008, Jena.
177. **Herold, M.** and M. Wulder (2008). Standards for Essential Climate Variables (ECV) – Background and status for land cover and biomass, presentation at 3<sup>rd</sup> GOF-C-GOLD land cover symposium, October 2008, Jena.
178. **Herold, M.** (2008). LCCS legend translation and GOF-C-GOLD harmonization approaches, presentation at 3<sup>rd</sup> GOF-C-GOLD land cover symposium, October 2008, Jena.
179. **Herold, M.** (2008). Monitoring carbon emissions from forest degradation for REDD. UNFCCC/SBSTA expert meeting, UNFCCC secretariat, October 2008, Bonn.
180. **Herold, M.** (2008): Critical issues and evolving technologies for REDD implementation, GOF-C-GOLD REDD side event at UNFCCC COP 14 (hosted by the government of Papua New Guinea).

## **2009**

181. **Herold, M.** (2009). Methodological aspects for forest area change assessment through remote sensing, Coalition for Rainforest Nations/GTZ REDD capacity development workshop for 36 countries, Febr. 2009, Sao Paulo/Brazil.
182. Defourny p., Bicheron, P., Brockmann, C., Bontemps, S., Van Bogaert, E., Vancutsem, C., Huc, M., Leroy, M., Ranera, F., Achard, F., Di Gregorio, A., **Herold, M.**, & O. Arino (2009). The first 300 m global land cover map for 2005 using ENVISAT MERIS time series: a product of the GlobCover system, Proceedings of 33<sup>rd</sup> International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.

183. **Herold, M.**, Achard, F. De Fries, R., Mollicone, D. & C. Souza (2009). Earth observation and political negotiations: linking requirements and capabilities in the context of the UNFCCC/REDD process, Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
184. **Herold, M.** (2009). Building saliency, legitimacy, and credibility towards operational global and regional land cover observations and assessments. Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
185. **Herold, M.**, Woodcock, C., Stehman, S., Wulder, M., Baret, F. and C. Schmullius (2009). The GOFCC-GOLD/CEOS land cover harmonization and validation initiative: Technical design and implementation framework. Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
186. Defourny p., Schouten, L., Bartalev, S., Cacetta, P., De Witt, A., Di Bella, C., Gerard, B., Heinemann, A., **Herold, M.**, Jaffrain, G., Latifovic, R., Lin, H., Mayaux, P., Mucher, S., Nonguierma, A., Stibig, H-J., Bicheron, P., Brockmann, C., Bontemps, S., Van Bogaert, E., Vancutsem, C., Leroy, M. & O. Arino (2009). Accuracy assessment of a 300 m global land cover map : the GlobCover experience. Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
187. Goehmann, H., **Herold, M.**, Jung, J., Schulz, M. & C. Schmullius (2009). Prototyping a “best land cover map approach” using existing global land cover datasets and comparative accuracy assessment, Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
188. Sambale, J., **Herold, M.**, Eckardt, R., Hubald, R. and M. Urban (2009). Developing national forest monitoring capacities for REDD participation of Vanuatu, Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
189. Berger, C., Urban, M., **Herold, M.** & J. Sambale (2009). Accuracy assessment for estimating historical forest area changes: a REDD case study for the Pacific island state of Vanuatu, Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
190. Hilbert, C., **Herold, M.**, Hese, S., C. Schmullius & K. Jütte (2009). Characterizing Forest Structure and Height by Comparing ICESat/GLAS, Forest Inventory and Airborne Laser Data: A Case Study for a Test Site in Mecklenburg-Vorpommern, Germany, Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
191. Huettich, C., Gessner, U., Keil, M., Dech, S., Strohbach, B. & **M. Herold** (2009). Ecosystem Assessment in Savanna Ecosystems in Namibia based on multi-scale Earth Observation data.
192. Voltersen, M., Sambale, S., **Herold, M.**, C. Schmullius, Kreutz, M. & L. Geidezis (2009). A coarse-scale analysis of land cover dynamics along the European Green Belt from 1990-2000, Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
193. Pöcking, S., **Herold, M.** & C. Schmullius (2009). Multiscale Comparison of satellite-based Land cover datasets over Thuringia, Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.
194. Huck, A., **Herold, M.**, Sambale, J., C. Schmullius & M. Hernandez (2009). Deforestation analysis around protected areas: a case study for the UNESCO World Heritage Site ‘Tikal National Park’, Guatemala, Proceedings of 33rd International Symposium on Remote Sensing of Environment (ISRSE), May 4-8.2009 in Stresa, Italy.