Nguyen Thi Thu Ha

PhD (University of Twente - The Netherlands)
Lecturer/Researcher
Phone: +84-4-38765607 (O) F: +84-4-38766642
Email: hanguyen.cares@gmail.com

Personal detail

Date of birth	23/11/1977
Nationality	Vietnamese
Employment	Lecturer / Researcher

- Image segmentation, land use and land cover mapping
- Hyper-temporal remote sensing analysis

Field of expertise
- Radiative transfer modelling for biophysical parameter estimation
- Remote sensing-based approach for NPP estimation
- Crop growth modelling

Languages   Vietnamese, English

Academic background

- **6/2007 – 1/2013:** PhD student at Faculty of Geo-information Science and Earth Observation (ITC), University of Twente, The Netherlands.
- **9/2003- 3/2005:** MSc in Geo-Information Science and Earth Observation at ITC, University of Twente, The Netherlands.
- **9/1995- 9/1999:** BSc. in Crop Sciences at Hanoi University of Agriculture, Vietnam.

Working xperience

- **2001 - present**: Lecturer at Vietnam National University of Agriculture (VNUA)
- **2000 - present**: Senior Researcher at Center for Agricultural Research and Ecological Studies (CARES). Position: Team leader, GIS and RS group.
- **2000 – 2003**: Mapping the agricultural systems across the northern mountain of Vietnam
- **2005 – 2007**: Manager of USEPAM project at CARES, and a leader of various work on analyzing driving forces of land cover & land use changes in Upper Ca River Basin, Nghe An, Vietnam and Xiengkhoang, Lao PDR.
- **2011 – now**: Manager and leader of WP3 of the i-REDD+ project, which is funded by EC, in Vietnam on Remote sensing based monitoring of forest cover change in Con Cuong and Nghe An, Vietnam; and a member of the WP7 on MRV for REDD+ at provincial scale.

Honors and Awards

- **2007**: PhD Fellowship Grant from the Netherlands Organization for International Cooperation in Higher Education (NUFFIC)
- **2011**: Best student paper award at the 32nd Asian Conference on Remote Sensing for the paper entitled "Seasonal LAI estimation of Irrigated Rice in the Mekong delta, Vietnam using Soil-Leaf-Canopy (SLC) Radiative Transfer Model"

Selected publication

Scientific papers

- de Bie, C.A.J.M., **Thi Thu Ha Nguyen**, Amjad Ali, Scarrot, R., & Skidmore, A.K. (2012). LaHMa: a landscape heterogeneity mapping method using hyper-temporal datasets. *International Journal of Geographical Information Science, 26(11),* pp. 2177-2192.

- **Nguyen, T.T.H**., de Bie, C.A.J.M., Ali, A., Smaling, E.M.A., & Chu, T.H. (2012). Mapping the irrigated rice cropping patterns of the Mekong delta, Vietnam, through hyper-temporal SPOT NDVI image analysis. *International Journal of Remote Sensing, 33*(2), pp. 415-434.

- Everaarts, A.P., **Ha, N.T.T**, and Hoi, P.V. (2006). Agronomy of a rice-based vegetable cultivation system in Vietnam: Constraints and recommendations for commercial market integration". *Acta Horticulturae, 699,* pp. 173-180

- Leisz, S.J., **Nguyen thi Thu Ha**, Nguyen thi Bich Yen, Nguyen Thanh Lam, & Tran Duc Vien (2005). Developing a methodology for identifying, mapping and potentially monitoring the distribution of general farming system types in Vietnam's northern mountain region. *Agricultural Systems, 85*(3), pp. 340-363.

- **Nguyen Thi Thu Ha**, Verhoef, W., de Bie, C.A.J.M., Venus, V., Suarez Urrutia, J.A., & Nieuwenhuis, W. Leaf area index of irrigated rice: a comparison of MODIS LAI product and inversion estimates by the Soil-Leaf-Canopy radiative transfer model. *Remote Sensing of Environment*. **In Revision** (after review)

- **Nguyen Thi Thu Ha**, de Bie, C.A.J.M., Smaling, E.M.A., & Verhoef, W. Coupling remotely sensed LAI-estimates with a modified ORYZA2000 crop growth model to estimate actual irrigated rice yields. *International Journal of Applied Earth Observation and Geoinformation.* **In Revision** (after review)

Conference proceeding papers

- **Nguyen Thi Thu Ha**, Wout Verhoef, C.A.J.M. de Bie. (2011). Seasonal LAI estimation of irrigated rice using Soil-Leaf-Canopy (SLC) radiative transfer model. In: ACRS 2011: proceedings of the 32nd Asian Conference on Remote Sensing: Sensing for Green Asia, 3-7 October 2011, Taipei, Tawain, pp. 327-333.

- **Nguyen Thi Thu Ha**, C.A.J.M. de Bie, Amjad Ali, E.A.M. Smaling (2012). Remote sensing-based method to map irrigated rice cropping patterns of the Mekong delta, Vietnam. In: proceedings of the International Conference on GMS 2020: Balancing Economic Growth and Environmental Sustainability, 20-21 February 2012, Bangkok, Thailand, pp. 235-244