

## CURRICULUM VITAE



**I. Full name: NGUYEN VAN Thiet**

### II. EDUCATION

**October 2010 - October 2014: Doctorate programme at University of Toulouse Jean Jaurès, Toulouse, France.**

*Subject:* Geomatics and Remote sensing for environment

*Thesis:* Hydropower dam planning and environmental consequences in Northern Vietnam.

**September 2008 - June 2010: Master of Sciences at Institute EGID, University of Bordeaux, France.**

*Subject:* Development and Environmental Management

*Thesis:* Cartographie des risques d'érosion dans un bassin versant agro-sylvicole au district de Than Uyen et Tan Uyen, province de Lai Chau: Méthode analyse d'image des états de surface

**September 1994 - September 1998: Engineer in Agrochemistry at Hanoi Agricultural University No.1, Vietnam.**

*Subject:* Agrochemistry

*Thesis:* Effect of species microbiology *Buskhodesria Vietnammiensis* TVV 75 for fragrant rice on saline soils in Kien Thuy district, Hai Phong province.

### III. INTERNATIONAL TRAINING

**December 2006 - February 2007:** Training on soil erosion, soil and water conservation, UMR 5185-ADES-CNRS, University of Bordeaux3, France.

**September - December 2005:** Training on Remote Sensing and Spatial modelling, Remote Sensing Center, Montpellier and UMR 5185-ADES-CNRS, University of Bordeaux3, France.

**March – April 2003:** Training on Geomatics, Center of Remote Sensing and GIS, Hanoi, Vietnam.

#### **IV. RESEARCH EXPERIENCE**

From 2014: **Team leader** of project “Study impacts of climate change on some main crops (rice, maize, soybean, peanut and sugarcane) in Central Coast Vietnam” in project “Study impacts of climate change on some main crops (rice, maize, soybean, peanut and sugarcane) in Vietnam” funded by Vietnam Government.

2010 – 2014: **Researcher** in program “Hydropower and Incentives”

Topic research: Impact of hydropower dam on environment in North Vietnam, program funded by the BMZ - Germany.

2013-2014: **Researcher** in project “Developing collection and treatment of crop residue for reducing rural GHG emission in Red River Delta, funded by Ministry of Agriculture and Rural Development of Vietnam”.

2011-2012: **Researcher** in project “Develop a project of developing GIS database on orange agent base/dioxin for assessment of dioxin residue and transportation in the environment and its impact on environment and people”, funded by Ministry of natural Resources and Environment.

2003 - 2010: **The Management of Soil Erosion Consortium (MSEC) research team at SFRI with IWMI - IRD**

**Researcher** in project: Impact of land cover and land use on soil infiltrability in small agricultural watershed in Luong Son district, Hoa Binh province (Northern, Vietnam).

**Researcher** in project: Impact of earthworm activities on soil erosion in small agricultural watershed in Luong Son district, Hoa Binh province (Northern, Vietnam).

2006 – 2008: **Researcher** in project: Research on the use of Beryllium-7 and Cesium-137 ( $\text{Be}^7$  and  $\text{Cs}^{137}$ ) as tracer in measuring soil erosion and sediment accumulation for sustainable land use, project funded by the Swedish International Development Cooperation Agency (SIDA).

2005 – 2007: **Researcher** in project: Indicators of spatial-temporal for erosion in Asia South-East, decision criteria and multiscalar mapping. Research network of the AUF, “Erosion, soil and water conservation”.

2001 - 2003: **Team leader** in project:

- Research technique for sustainable upland rice production in Van Chan district, Yen Bai province, in the program “socioeconomics development for rural and mountainous in Vietnam”, funded by Vietnam Government.
- Research technique for sustainable rice terrace production in Mu Cang Chai district, Yen Bai province, in the program “socioeconomics development for rural and mountainous in Vietnam”, funded by Vietnam Government.

2000 - 2001: **Researcher** in program “Social forestry”, project funded by Helvetas, Switzerland.

1998 - 2000: **Research assistant**

- Soil microorganism in Faculty of Land management, Hanoi Agricultural University No.1
- Effect of species microbiology *Buskhodesria Vietnammiensis* TVV 75 for fragrant rice on saline soils in Kien Thuy district, Hai Phong province, programme cooperation between Hanoi Agricultural University No.I and Canadian Company - AGRIMUM

## V. PUBLICATIONS

### Peer-review papers (ISI)

1. P. PODWOJEWSKI, D. ORANGE, P. JOUQUET, Th. HENRY DESTUREAUX, **Van Thiet NGUYEN**, Pham Van RINH, Do DUI PHAI, Tran Duc TOAN. Modification du ruissellement et des pertes en terres suite à l’abandon d’une culture annuelle (manioc) au profit de plantations agroforestières dans des périmètres villageois sur forte pente au Nord Vietnam. *Lutte antiérosive: réhabilitation des sols tropicaux et protection contre les pluies exceptionnelles*. IRD Editions 2012. ISBN : 978-2-7099-1728-5

2. Podwojewski, P., Poulenard, J., Nguyet Minh Luu, de Rouw, A., **Nguyen Van Thiet**, Pham Quang Ha and Tran Duc Toan, 2011. Climate and vegetation determine soil organic matter status in an alpine inner-tropical soil catena in the Fan Si Pan Mountain, Vietnam. *Catena*, 87: 226-239. ISSN 0341-8162; ISI 000294313300008

3. Podwojewski P., Orange D., Jouquet P., Valentin C., **Van Thiet Nguyen**, Janeau J.L., Duc Toan Tran, 2008. Land use impacts on surface runoff and soil detachment within agricultural sloping lands in Northern Vietnam. *Catena*, 74(2): 109-118. ISSN 0341-8162; ISI 000257837200003

4. Orange D., Tran Duc Toan, Salgado P., Nguyen Duy Phuong, **Nguyen Van Thiet**, Floriane C., Le Hoa Binh, 2008. Different interests, common concerns and shared benefits.

*Magazine on Low External Input and Sustainable Agriculture, LEISA*, 24(2), Netherlands: 12-13. ISSN 1569-8424

5. Pham Quang Ha, Pomel Simon, **Nguyen Van Thiet**, Orange Didier, Podwojewski Pascal, Tran Duc Toan, 2006. Stratégies traditionnelles de gestion conservatoire et de restauration des sols au Vietnam. Publication AUF 2006. ISBN : 978-2-914610-76-6

#### **Vietnamese journal**

6. **Nguyễn Văn Thiết**, Simon Pomel, Phạm Quang Hà, Trần Đức Toàn, Didier Orange, 2008. Ứng dụng phương pháp phân tích hình ảnh để đánh giá xói mòn đất. Tạp chí khoa học công nghệ nông nghiệp và phát triển nông thôn, số 07/2008. Nhà xuất bản nông nghiệp Hà Nội.

7. **Nguyễn Văn Thiết**, Trần Đức Toàn, Phạm Quang Hà, 2005. Quản lý, bảo vệ đất đồi núi trên cơ sở các phương pháp truyền thống. Kỷ yếu 20 năm đổi mới ngành nông nghiệp Việt Nam (1985-2005). Nhà xuất bản chính trị Quốc gia, Hà Nội, Việt Nam.

8. Trần Đức Toàn, **Nguyễn Văn Thiết**, 2005. Nghiên cứu khả năng thấm nước trên đất dốc dưới các hình thức sử dụng đất khác nhau. Tạp chí khoa học đất số 23, Nhà xuất bản nông nghiệp Hà Nội.

#### **Peer-reviewed Proceedings**

9. **Nguyen Van Thiet**, Orange Didier, Laffly Dominique Nguyen Duy Phuong, Pham Van Cu, 2013. Hydropower dams as a land-use change driving force: case study in Northern Vietnam. Mekong Environment Symposium, Ho Chi Minh City (Vietnam), 5-7 March 2013. Paper ID 753.

10. Orange D., Pham D. Rinh, Janeau J-L., Henri-des-Tureaux T., **Nguyen V. Thiet**, Luu T. N. Minh, Tran D. Toan, 2013. Balance of the erosion due to exceptional rain events and land use within agricultural hilly landscapes of the Great Mekong Region. International Conference MES (Mekong Environment Symposium), Session: 122 – 2, Topic: 06. Hazards and disaster risk reduction in the Mekong Basin, HCMC (Vietnam), March 2013, Published WISDOM project, DLR (Germany) : 55.

11. **Nguyen Van Thiet**, Orange D. Laffy D., Pham Van Cu, 2012. Consequences of large hydropower dams on erosion budget within hilly agricultural catchments in Northern Vietnam by RUSLE modeling. The international conference on Sediment Transport Modeling in Hydrological Watersheds and Rivers, Istanbul Turkey, 14-16 Novembre 2012. Paper ID 615131.

12. Didier Orange, Pham Dinh Rinh, Tran Duc Toan, Thierry Henri des Tureaux,

Mathieu Laissus, Nguyen Duy Phuong, Do Duy Phai, **Nguyen Van Thiet**, Nicolas Nieullet, Sebastien Ballesteros, Brice Lequeux, Yannick Lamezec, Chloë Mitard, Marion Mahé, Romain Bernard, Henry Ducos, Delphine Zemp, Jean-Louis Janeau, Pascal Jouquet, Pascal Podwojewski, Christian Valentin, 2012: Long-term erosion measurements on sloping lands in northern Vietnam: impact of land use change on bed load output. In : Hauswirth D. (ed.), Pham Thi Sen (ed.), Nicetic O. (ed.), Le Quoc Doanh (ed.), Kirchof G., Boulakia S., Chabierski S., Husson O. (ed.), Chabanne A. (ed.), Boyer J. (ed.), Auffray P. (ed.), Lienhard P. (ed.), Legoupil J.C. (ed.), Stevens M. L. (ed.) *Conservation agriculture and sustainable upland livelihoods : innovations for, with and by farmers to adapt to local and global changes: proceedings*. Montpellier : CIRAD, 2012, p. 49-52. The 3<sup>rd</sup> International Conference on Conservation Agriculture in Southeast Asia, Hanoi, 10-15 December 2012. ISBN 978-2-87614-687-7.

13. **Nguyen Van Thiet**., Orange D., Pham Van Cu., Tran Duc Toan., Hoffmann F., Pomel S., Laffly D, 2011. Impact assessment of hydropower dam on erosion risk within a hilly agricultural area: example of the Ban Chat dam (Northern Vietnam). The international conference ASAE “Meeting the Challenges Facing Asian Agriculture and Agricultural Economics Toward a Sustainable”. Hanoi, 13-16 October 2011.

14. Podwojewski, P., Poulenard, J., Nguyet Minh Luu, de Rouw, A., **Nguyen Van Thiet**, Pham Quang Ha et Tran Duc Toan. Pédogenèse et matières organiques dans une séquence altitudinale de sols sur le mont Fan Si Pan (Viet Nam). Actes du Colloque “Journées Sols de Montagne”. Université de Savoie – Le Bourget du Lac 24 - 25 Septembre 2009.

15. Orange D., Tran Duc Toan, Podwojewski P., Clement F., Phan Ha Hai An, Do Duy Phai, **Nguyen Van Thiet**, Pham Van Rin, Nguyen Duy Phuong, Henry des Tureaux T., Huon S., Chu Thai Hoan, 2007. Management for Soil Erosion Consortium (MSEC), Vietnam team: Sustainable watershed management in cultivated sloping lands of SEA. In Orange D., Roose E., Vermande P., Gastellu J.-P., Pham Quang Ha (Eds) : *Gestion intégrée des eaux et des sols : ressources, aménagements et risques en milieux ruraux et urbains*, **Editions AUF et IRD**, Hanoi, Actes des Premières Journées Scientifiques Inter-Réseaux de l’AUF, Hanoi, 6-9 novembre 2007.

16. **Nguyen Van Thiet**, Pomel S., Pham Quang Ha, 2007. Les états de surface des sols au Nord Vietnam: une méthode pour estimer et cartographie les risques d’érosion. Journées scientifiques Inter-Réseaux AUF - Hanoi sur “Gestion intégrée des eaux et des sols”. **Actes des JISRAUF**, Hanoi 5-9 novembre 2007. Publication de l’AUF : 359-366.

17. Orange D., Tran Duc Toan, Podwojewski P., Clément F., Phan Ha Hai An, Do Duy

Phai, **Nguyen Van Thiet**, Pham Van Rin, Nguyen Duy Phuong, Henry des Tureaux T., Huon S., Chu Thai Hoanh, 2006. Sustainable watershed management in cultivated sloping lands of SEA. The international conference on Sustainable Sloping Lands and Watershed Management, LuangPhrabang, Laos. 12-15 December 2006.

18. Toan T.D., Podwojewski P., Orange D., Phuong N.D., Bayer A., **Thiet N.V.**, Rin P.V., Renaud J., Koikas J., 2004. Effect of land use and management on water budget and soil erosion in a small catchment in northern part of Vietnam. The international conference on Innovative Practices for Sustainable Sloping Lands and Watershed Management. 5-9 September 2004, Chiang Mai, Thailand.

#### **Non Peer-review papers**

19. Orange D., Tran Duc Toan, Salgado P., Sengtaheuangoung Oloth, De Rouw A., Nguyen Duy Phuong, Clement F., **Nguyen Van Thiet**, Pham Dinh Rin, Le Van Bon, Le Hoa Binh, Valentin C., 2010. Local-knowledge and technical innovation for income improvement and soil fertility management by husbandry integration in upland farming system in Vietnam and Laos. Connaissances paysannes et innovations techniques pour l'amélioration des revenus et la gestion de la fertilité des sols par l'intégration de l'élevage dans les systèmes d'exploitation agricole montagnards du Vietnam et Laos. Dossier Agropolis, GFAR publication, Montpellier, in press (bilingue).