Curriculum Vitae

1. Name	Ta Huu Chinh

2. Present address and contact information (complete address, country; telephone and fax numbers; E-mail address)

Organization: National, Center of Hydrology Meteorology Service of Viet Nam
Contact address: 62th Nguyen Chi Thanh, Dong Da, Ha Noi, VietNam
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3. Place of birth:	09th December 1981
4. Sex:	Male

5. Scientific computing skills and office machines you can use

- Computing skill: Fortran, matlab
- Graphic: grads, ncarg (ncl)
- Linux platform: shell-script
- Website: PhP
- Meteorology data: work with grib, grib2, netcdf format.

6. EDUCATION

Name and place	Years attended		Degrees and Academic distinctions	Main subjects
	From	To		
University of Natural Science, Ha Noi, Viet Nam	1999	2003	Bachelor (meteorology)	Simulate ideal storm activities case (thesis)
University of Natural Science, Ha Noi, Viet Nam	2004	2008	Master (meteorology and climatology)	Simulate storm season activities by RegCM3 (thesis)
Graduate School of Environmental Science Development (Hokkaido University)	2016	2019	PhD	Effects of ENSO-induced synoptic-scale environment on tropical cyclone and predictability over the western North Pacific

7. RESEARCH EXPERIENCE

Duration	Content	Tool
2002-2003	+Studying the effect of sea surface temperature affecting the growth of storm activity	Three dimensional tropical cyclone model
2003-2004	+Assessment of forecast ability of numerical weather model	Weather and Research Forecast model

	at Viet Nam area	(WRF), Research Atmosphere Model System (RAMS)
2004-2006	+Research of Regional Climate Model (RegCM3.0) in simulating seasonal storm activities in north west Pacific ocean	Regional Climate Model version 3.0 (RegCM3.0)
2006-2009	+Working as a forecaster in long-term field; issuing weather and climate bulletins	Synoptic map; output of global and regional models; statistical analysis tools
2009-2015	+Research of correction of systematic error of global climate model by EOF (CCA) mathematic methods +Building an ensemble forecast based on prediction of global climate model (GCMs) by equal and unequal weighting +Modifying source code of Climate Predictability Tool (CPT) in order to choose area of predictors with 95% confident level of Pearson correlation. http://iri.columbia.edu/our-xpertise/climate/tools/cpt/ +Studying changes of temperature and rainfall trends in the northern Vietnam during 1961-2099 by statistical downscaling method	Statistical Tools as: - Climate Predictability Tool (CPT) and output of global climate model - Statistical downscaling method (SDSM4.2) and prediction of Hadley Center Model, version 3.0 (HadCM3.0)
2016-2019	+ Activity of tropical cyclone in relation to ENSO in the western North Pacific. + Simulation of tropical cyclone by axisymmetric model.	Axisymmetric model

9. ATTENDED PROJECTS

- Attended project at University of Natural Science of Viet Nam: *"Building oceanography – meteorology forecast process in Viet Nam based on oceanography meteorology prediction modeling system"*, 2003-2005
- Head of the project of Vietnam Ministry of Natural Resources and Environment (MONRE) with title: *"Building an seasonal forecast system for Vietnam based on prediction of general circulation models (GCMs) "*, 2013-2015.

10. INTEREST FIELDS

Studying fields: Seasonal forecast
+ Calibrating systematic and random errors of output of global climate models
+ Studying changes of temperature and rainfall in the north of Vietnam
Interest fields: + The atmospheric - physical mechanism: - ENSO phenomenon and its effect on climate in Viet nam
- Monsoon activity
+ Climate modeling, climate change

11. EXPERIENCE FOR INTERNALTIONAL CONFERENCE/WORKSHOP/AWARD

Award:
1. Scholarship with name Young Scientist Support Program (YSSP, 2012) (http://www.apcc21.org/eng/index.jsp)

Attended International workshops, conferences and award:
1. Environmental Agency Workshop, Singapore, 2005
2. Environmental Agency Workshop, Singapore, 2011
3. ADPC-Bjerknes WRF Workshop, Thai Land, 2011
4. APCC Climate prediction training program, 2011
5. Special Grant for Excellent Students, 2016

12. PUBLICATION LIST

Ta Huu Chinh, Tomonori Sato (2019): Effect of ENSO phase on the contribution of environmental variables to tropical cyclone genesis in the western North Pacific. *International Journal of Climatology*. https://doi.org/10.1002/joc.5966

Ta Huu Chinh, Tomonori Sato (2019): Effects of ENSO-induced synoptic-scale environment on tropical cyclone activity and predictability over the western North Pacific, *PhD thesis, Graduate School of Environmental Science, Hokkaido University, Japan.*

Ta Huu Chinh, Young Mi Min (2012): Compare the skill of monthly forecast in Viet Nam by using raw GCMs and statistical downscaling method, *APCC-Young Scientist Support Program (YSSP) report of APEC Climate Center*, p501-508.
http://www.apcc21.org/ic/yssplist.do?lang=en&bbsId=BBSMSTR_000000000021

Ta Huu Chinh, Nguyen Quoc Trinh (2013): The skill of monthly temperature and rainfall forecast of statistical downscaling method in northern part and plateau area of Vietnam, *the Scientific and Technical Hydro-Meteorological Journal*, No. 631, p52-57.
http://kttvqg.vietesoft.com/tin-tuc/2567/Muc-luc-tap-chi-Khi-tuong-Thuy-van-thang-7-nam-2013.html.

Mai Van Khiem, **Ta Huu Chinh**, Nguyen Thi Diem Huong (2014): Experimental drought prediction in Vietnam based on output of global climate model, *the Scientific and Technical Hydro-Meteorological Journal*, ISSN 0866-8744, No. 639, p21-25.
http://kttvqg.vietesoft.com/tin-tuc/2391/Muc-luc-tap-chi-Khi-tuong-Thuy-van-so-639-Thang-3/2014.html.

Ta Huu Chinh, Luong Tuan Minh, Nguyen Thi Diem Huong (2015): Analyze winter observed surface temperature trend in Vietnam during1982-2002, *the Scientific and Technical Hydro-Meteorological Journal*, ISSN 0866 – 8744, No. 651, p31-35. http://kttvqg.gov.vn/tin-tuc/6097/Muc-luc-Tap-chi-Khi-tuong-Thuy-van-Thang-3-nam-2015.html

Ta Huu Chinh, Luong Tuan Minh, Nguyen Thi Diem Huong (2015): The global climate models' ability in predicting winter observed surface temperature*, the Scientific and Technical Hydro-Meteorological Journal*, ISSN 0866 – 8744, No. 650, p1-5. http://kttvqg.gov.vn/tin-tuc/6096/Muc-luc-Tap-chi-Khi-tuong-Thuy-van-Thang-02-nam-2015.html

Ta Huu Chinh, Tran Ngoc Van, Nguyen Thi Diem Huong (2015): Skill of several climate models in predicting winter season temperature, *the 15th report of national science conference of hydro – meteorology, environment and climate change*, ISBN:978-904-248-5, p1-7, Hanoi, Vietnam.

Nguyen Vu Thang, **Ta Huu Chinh** (2009): Predicting tropical cyclone at coastal provinces including Quangninh-Haiphong provinces by using oceanographic-atmospheric modeling system, *the 13rd report of national science conference of hydro–meteorology, environment and climate change*, p332-338.

Ta Huu Chinh, Kieu Thi Xin (2008): Simulating the seasonal activities of tropical cyclones in the western North Pacific by using Regional Climate Model RegCM3.0, *Master thesis, VNU University of Science, Viet Nam*.

Ta Huu Chinh, Nguyen Minh Truong (2003): Simulating the decrease of sea surface temperature affecting development of storm by using three dimensional storm model, *Bachelor Thesis, VNU University of Science, Viet Nam*.

Ta-Huu, C. and Sato, T. Effect of ENSO phase on the contribution of environmental variables to tropical cyclone genesis in the western North Pacific. *International Journal of Climatology*, 39, 2461-2473. https://doi.org/10.1002/joc.5966