

## PERSONAL INFORMATION

## Hung Vuong, Pham



📍 Euro-Mediterranean Center on Climate Change | Ca' Foscari University of Venice  
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💬 Skype vuongpham88

Sex Male | Date of birth 17/12/1988 | Nationality Vietnamese

## WORK EXPERIENCE

09/2016 - present

### PhD candidate in Science and Management of Climate Change

Ca' Foscari university – Dorsoduro 3246, 30123 Venezia, Italy.

Affiliation:

Euro-Mediterranean Center on Climate Change | Ca' Foscari University of Venice

(CMCC@Ca'Foscari) [www.cmcc.it](http://www.cmcc.it) | [www.unive.it](http://www.unive.it)

Environmental chemistry & Environmental risk assessment (Ecraunit) <http://www.ecraunit.com/>

12/2011 – 09/2016

### Water Resource Management Specialist

Institute of Water Resources Planning, Hanoi, Vietnam – 162A - Tran Quang Khai, Hoan Kiem, Ha Noi

- Carry out all activities related to water resources management such as flood prevention plans, drought prevention plans, and water supply system;
- Collect, analyse project data and propose the best management options for water resources;
- Deal with issues related to climate changing phenomena such as extreme floods, droughts and salt intrusion in coastal areas.

#### List of participated projects

- Flood protection plan of Day river basin, Vietnam (2016);
- Flood protection plan of Thai Nguyen province, Vietnam (2016);
- Water resources plan of Thai Nguyen province, Vietnam (2016);
- Integration of climate change information into the water resources plan of the Midlands and Northern parts of Vietnam (2015);
- Integrated and sustainable water management of the Red-Thai Binh River system in a changing climate, IMRR (2013);
- Flood protection plan of the Red and Thai Binh river basin, Vietnam (2013);
- Flood protection plan of Bac Kan province, Vietnam (2012);
- Flood protection plan of Ha Noi city, Vietnam (2012).

03/2011 - 12/2011

Sector Planning

### Hydraulic Engineer

Company of Consultancy and Technology for Irrigation – 5A - Dai Kim, Hoang Mai, Ha Noi

- Design hydraulic works for water supply and flood preventions such as dams, culverts, spillways, and canals;
- Design civil works including houses, roads and bridges;
- Compute and calculate costs and total financial plans for proposed projects.

#### List of participated projects

- Handling emergency case of the left bank system of Tich river in the part of Tien Truong village, Thuy Xuan Tien, Truong My, Ha Noi (2011);
- Designing the Dong Bo reservoir system in Dong Xuan, Quoc Oai, Ha Noi including a reservoir, a dam, a spillway, a sluice and canal system (2011);

Sector Designing

## EDUCATION AND TRAINING

- 09/2016 – present **PhD in Science and Management of Climate Change**  
Ca' Foscari university – Dorsoduro 3246, 30123 Venezia, Italy.  
<http://www.unive.it/>
- 09/2013 – 10/2015 **Master of Science degree in Environmental and Geomatic Engineering**  
Politecnico di Milano, Como campus – via Castenuovo 7, Como, 22100, Italy.  
<http://www.polimi.it/>
- Modelling natural phenomena and territorial processes;
  - Modelling the exploitation of natural resources, especially water resources;
  - Designing sustainable exploitation plans.
- Final thesis: Using ENSO information to improve the operations of the Hoa Binh reservoir, Vietnam.
- 08/2006 – 03/2011 **Bachelor of Hydraulic Engineering**  
Hanoi Water Resources University, Vietnam – 175 Tay Son, Dong Da, Ha Noi.  
<http://en.tlu.edu.vn/>
- Solid concept of hydraulic system;
  - Designing hydraulic works such as dams, culverts, irrigation system, and water supply system;
  - Short-term and long-term plans for the water system adapting with climate changes.
- Final thesis: Designing the reservoir system A Trum, Quang Tri, Viet Nam including a gravity dam, a culvert, a spillway and a canal system.

## PERSONAL SKILLS

Mother tongue Vietnamese

## Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	IELTS 7.5	IELTS 7.0	IELTS 6.0		IELTS 6.0
Italian	B2	B1	B2	B1	A2

## Communication skills

- good communication skills obtained during social activities: charity activities in Vietnam, Flashmob 2014 in Como, Italy.

## Organisational / managerial skills

- good organisational skills obtained during volunteer activities: Vietnamese volunteer, assistant student for international event “HYDRO 2014 – Cernobbio, Italy” (a week); volunteer for EXPO 2015 – Milan, Italy (2 weeks); assistant student for Politecnico di Milano (a month).

## Computer skills

- good skill of Microsoft Office™ tools: Word, Excel, PowerPoint;
- good skill of graphic program: AutoCad, Photoshop;
- good skill of GIS program: QGIS, ArcGIS, Mapinfo;
- good skill of hydraulic program: GEO-SLOPE, MIKE family (MIKE 11, MIKE 21, MIKE FLOOD), HEC-RASS, WEAP;
- good skill of language for technical computing: MATLAB;
- basic skill of markup language: HTML, OpenLayers.

## Other skills

- running: participated in Stramilano 2015, Milan, Italy.

## Driving licence

- A1

## ADDITIONAL INFORMATION

## Publication

- Pham, Hung Vuong, Silvia Torresan, Andrea Critto, and Antonio Marcomini. 2019. “Alteration of Freshwater Ecosystem Services under Global Change – A Review Focusing on the Po River Basin (Italy) and the Red River Basin (Vietnam).” *Science of the Total Environment* 652. Elsevier B.V.:1347–65. <https://doi.org/10.1016/j.scitotenv.2018.10.303>.

## Abstract

- ENSO detection and use to inform the operation of large-scale water systems, *Geophysical Research Abstracts*, Vol. 18, EGU2016-8453, 2016.

## Projects

- Integrated and sustainable water management of the Red-Thai Binh River system in a changing climate (IMRR) - cooperate project between Politecnico di Milano and Institute of Water Resources Planning under the supervision of the Ministry of Agriculture and Rural Development of Vietnam.
- Efficient Practices of Land Use Management Integrating Water Resources Protection and Nonstructural Flood Mitigation Experiences (PROLINE-CE) – funded by INTERREG

- Conferences
  - HYDRO 2014 – Building on Recent Development Progress, The international journal on Hydropower and Dams – October, 2014, Cernobbio, Italy.
- Seminars/workshops
  - 12/2015: River basin management & Multi-purpose Reservoir Operation, HUNRE, Ha Noi, Vietnam.
- Courses
  - 03/2012: Mike 11 course, DHI centre, Vietnam;
- Honours and awards
  - Scholarship for 3 years of PhD in Science and Management of Climate Change;
  - IMRR scholarship for 2 years of Master degree;
  - Gold scholarship for 4.5 years of Bachelor degree.

#### ANNEXES

- IMRR project
  - <http://hydoinformatics.polimi.it/?q=node/13>
- PROLINE-CE
  - <http://www.interreg-central.eu/Content.Node/PROLINE-CE.html>
- Master thesis
  - <https://www.politesi.polimi.it/handle/10589/112822>
- Abstract
  - <http://meetingorganizer.copernicus.org/EGU2016/EGU2016-8453.pdf>