

DR. SUPATTRA VISESSRI

Tel: +662 218 6718 email: supattra.vi@chula.ac.th

EDUCATION

Oct 2009 – Sep 2014 PhD Environmental and Water Resource Engineering, Imperial London, UK.

Oct 2008 – Sep 2009 MSc Hydrology and Business Management, Imperial College London, UK

Jun 2003 – Dec 2005 MBA, Thammasat University, Thailand

Jun 1996 – Mar 2000 BEng (Irrigation Engineering), Kasetsart University, Thailand

WORK EXPERIENCE

Sep 2020 – Present Assistant Dean at Chulalongkorn University, Thailand

Mar 2018 – Present Assistant Professor at Chulalongkorn University, Thailand

Sep 2014 – Mar 2018 Lecturer at Chulalongkorn University, Thailand

HIGHLIGHT PROJECTS

Principal Investigator for the project entitled “Driving Water Resources Management Outputs from the Spearhead Project Year 2 into Practice” funded by National Research Council of Thailand (NRCT) from 2021-2022

Principal Investigator for the project entitled “Strengthening Thailand’s Agricultural Drought Resilience (STAR)” funded by UK Research and Innovation (UKRI) and Thailand Science Research and Innovation (TSRI) from 2018-2021

Principal Investigator for the project entitled “Supporting Research and Innovation Directions and Drive Policy Setup under Water Resources Management Spearhead Year 1” funded by National Research Council of Thailand (NRCT) from 2019-2020

Principal Investigator for the project entitled “Roadmap for Strategic Research Issue of Water Management to Support National Water Strategy” funded by Thailand Science Research and Innovation (TSRI) from 2018-2019

Working committee appointed by National Housing Authority to develop policy, strategy, goal and action plan for corporate social responsibility from 7 September 2021

Working committee appointed by Senate Standing Committee on Poverty and Inequality Reduction to study the approach to reduce poverty and inequality by managing land and small water resources at community level from 2021-2022

Working committee appointed by Senate Standing Committee on Poverty and Inequality Reduction to develop policy recommendations for drought and sustainable water management from 2019-2020

SELECTED PUBLICATIONS

Tanguy, M., Eastman, M., Magee, E., Barker, L., Chitson, T., Ekkawatpanit, C., Goodwin, D., Hannaford, J., Holman, I., Pardthaisong, L., Parry, S., Rey, D., and Visessri, S. (2023). Indicator-to-impact links to help improve agricultural drought preparedness in Thailand. *Natural Hazards and Earth System Sciences*, 23, 2419–2441. DOI: <https://doi.org/10.5194/nhess-23-2419-2023>, 2023.

Man, S., and Visessri, S. (2023). Low-Flow Assessment Methods for Ungauged Sub-Basins in the Upper Ping River Basin, Thailand. *Naresuan University Engineering Journal*, 18(1), 1-13. DOI: <https://doi.org/10.14456/nuej.2023.1>.

Chann, K., Sok, Y., Khoeun, R., Men, V., Visessri, S., Oeurng, C., Sor, R., Null, S. (2022). Prolonged and Severe Drought in the Most Dammed Tributaries of the Lower Mekong Basin. *Sustainability*, 14(23). DOI: 10.3390/su142316254.

Kakinuma, D., Miyamoto, M., Nakamura, Y., Sriariyawat, A., and Visessri, S. (2022). Development of inundation model for creating industrial park-scale risk information for Area-BCM. *Journal of Disaster Research*, 17(6), 877-888. DOI: 10.20965/jdr.2022.p0877.

- Koontankulvong, S, and Visessri, S. (2022). Improving water use efficiency in the Upper Central Irrigation Area in Thailand via soil moisture system and local water training. 2022 KWRA Annual Conference, 19-20 May 2022, Busan, Korea.
- P.C., S., Miyamoto, M., Kakinuma, D., Misumi, R., Sriariyawat, A., and Visessri, S. (2022). Probable flood inundation depth and extent in the Chao Phraya River Basin for different return periods. *Journal of Disaster Research*, 17(6), 901-912. DOI: 10.20965/jdr.2022.p0901.
- Goodwin, D., Holman, I., Sutcliffe, C., Salmoral, G., Pardthaisong, L., Visessri, S., Ekkawatpanit, C., and Rey D. (2022). The contribution of a catchment-scale advice network to successful agricultural drought adaptation in Northern Thailand. *Philosophical Transactions A*, 12(2022). DOI: 10.1098/rsta.2021.0293.
- Goodwin, D., Holman, I., Pardthaisong, L., Visessri, S., Ekkawatpanit, C. and Vicario, D.R. (2022). What is the evidence linking financial assistance for drought-affected agriculture and resilience in tropical Asia? A systematic review. *Regional Environmental Change*, 22, 12(2022). DOI: 10.1007/s10113-021-01867-y.
- Petpongpan, C., Ekkawatpanit, C., Visessri, S. and Kositgittiwong D. (2021). Projection of Hydro-climatic extreme events under climate change in Yom and Nan River basins, Thailand. *Water*, 15(5), 665. DOI: 10.3390/w13050665.
- Kimmany, B., Ruangrassamee, P., and Visessri, S. (2020). Optimal multi-reservoir operation for hydropower production in the Nam Ngum River Basin. *Engineering Journal*, 24(5), 1-13. DOI: 10.4186/ej.2020.24.5.1.
- Visessri, S., and Ekkawatpanit, C. (2020). Flood management in the context of climate and land-use changes and adaptation within the Chao Phraya River basin. *Journal of Disaster Research*, 15(5), 579-587. DOI: 10.20965/jdr.2020.p0579.
- Lin, B.S., Lei, H., Hu, M.C., Visessri, S. and Hsieh C.I. (2020). Canopy Resistance and Estimation of Evapotranspiration above a Humid Cypress Forest. *Advances in Meteorology*, 2020, 1-16. DOI: 10.1155/2020/4232138
- McIntyre, N., Woldemeskel, F., Visessri, S. and Sharma, A. ed., (2017). Quantifying surface water supplies under changing climate and land use. In: *Sustainable Water Resources Management*, 337-373. DOI: <https://doi.org/10.1061/9780784414767.ch13>.
- Visessri, S., McIntyre, N. (2016). Uncertainty in flow time series predictions in a tropical monsoon-dominated catchment in northern Thailand. *Journal of Hydrologic Engineering*, 21(10), 04016036. DOI: [http://dx.doi.org/10.1061/\(ASCE\)HE.1943-5584.0001407](http://dx.doi.org/10.1061/(ASCE)HE.1943-5584.0001407).
- Visessri, S., McIntyre, N. (2016). Regionalisation of hydrological responses under land use change and variable data quality. *Hydrological Sciences Journal*, 61(2), 302-320. DOI: 10.1080/02626667.2015.1006226.