

# SOMIN LIM

Senior Researcher

## Education

- (2013.02) Department of Environmental Marine Sciences, Hanyang University, ERICA, M.S.
- (2011.02) Department of Environmental Marine Sciences, Hanyang University, ERICA, B.S.

## Research interests

- Sub-seasonal to seasonal prediction
- Decadal prediction
- AI-based Seasonal/Decadal forecasts

## Research experience

- (2025.09-Present) Principal Researcher, Environmental Planning Institute
- (2024.06-2025.08) Senior Researcher, Environmental Planning Institute
- (2013.03-2023.03) Researcher, National Institute of Meteorological Sciences/Korea Meteorological Administration

## Publications

- S. Ham, Y. Jeong, J.H. Yoo, **S. Lim**, H. Ji, and Y.K. Hyun, 2024: What is the effect of atmospheric initial condition inconsistency between the hindcasts and real-time forecasts? *Clim. Dyn.*, **62**, 1613-1623.
- Y.K. Hyun et al., 2022: The KMA Global Seasonal forecasting system (GloSea6) - Part 2: Climatological Mean Bias Characteristics. *Atmosphere*, **32(2)**, 87-101.
- **S. Lim**, Y.K. Hyun, H. Ji, and J. Lee, 2021: Application of Land Initialization and its Impact in KMA's Operational Climate Prediction System, *Atmosphere*, **31(3)**, 327-340.
- Y.K. Hyun, J.K. Park, J. Lee, **S. Lim**, S.I. Heo, H. Ham, S.M. Lee, H. Ji, and Y. Kim, 2020: Reliability Assessment of Temperature and Precipitation Seasonal Probability in Current Climate Prediction Systems. *Atmosphere*, **30(2)**, 141-154.
- **S.M. Lim**, Y.K. Hyun, H.S. Kang, and S.W. Yeh, 2018: Prediction Skill of East Asian Precipitation and Temperature Associated with El Niño in GloSea5 Hindcast Data, *Atmosphere*, **28(1)**, 37-51.
- **S.M. Lim**, S.W. Yeh, and G.R. Kim, 2012: Analysis on the Relationship between the Korean Temperature and the Atmospheric Circulation over the Northern Hemisphere during Winter.

*Atmosphere*, 2012, **22(2)**, 187-197.