

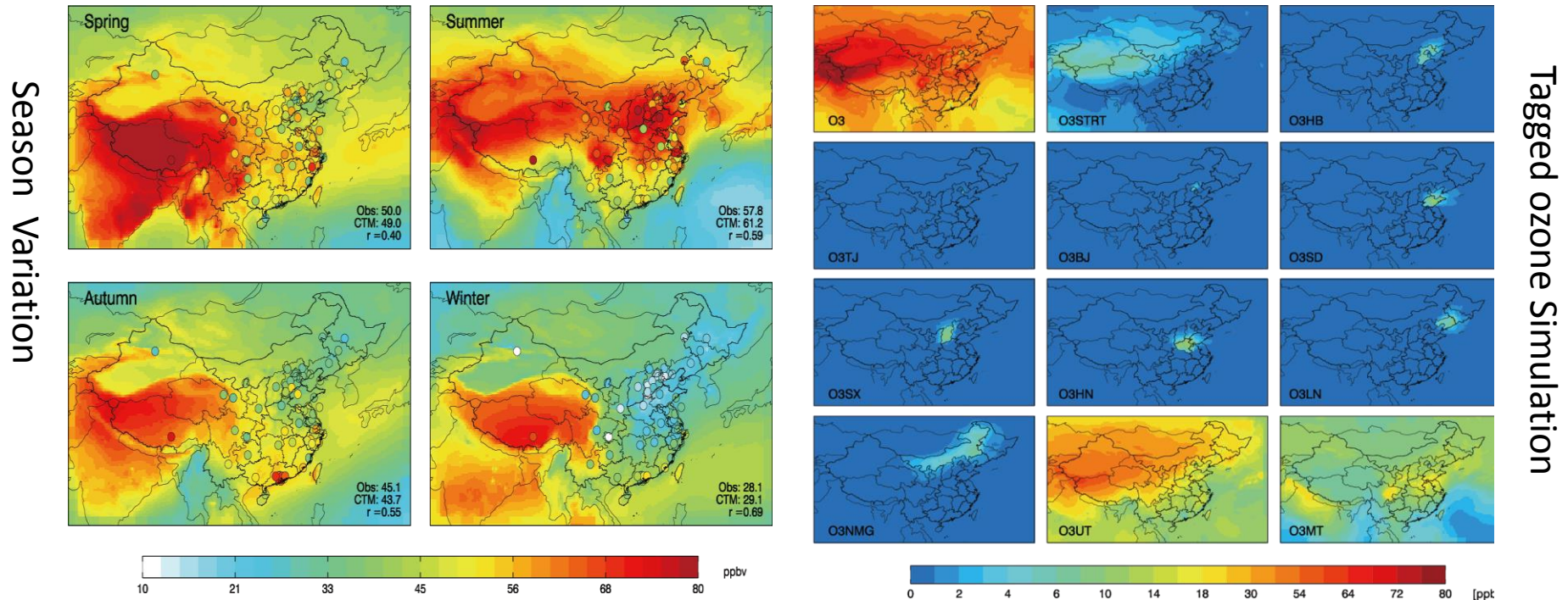


Inter-regional Transport of Ozone Pollution over China

Jingyuan Shao¹, Lin Zhang¹, Yuanhong Zhao¹

¹ Departments of Atmospheric and Oceanic Sciences, School of Physics, Peking University, Beijing, China

We use the nested-grid GEOS-Chem chemical transport model and its **tagged ozone simulation** with a horizontal resolution of $1/4^\circ \times 5/16^\circ$ (~30 km) to **interpret** surface ozone **measurements** at Chinese cities and to quantify regional ozone **transport influences** over China.



© Most of cities face **severe ozone pollution** in summer.

© Tagged ozone simulation show significant **inter-regional transport** of ozone pollution.