Type of measurement	Sensitivity in the boundary layer	Vertical profile information	Diurnal variation	Seasonal variation	Total column	Earth coverage
MAX-DOAS	XXX	xx ³	XXX	xxx	XX	XX
FTIR	X	_	XXX	XX	XXX	X
Direct sun	XXX	_	XXX	XXX	XXX	X
In situ ¹	XX	_	XXX	XXX	_	XX
Aircraft ²	XX	XXX	X	_	xx^4	X
Satellite instruments	X	_	X	XXX	XX	xxx ⁵
¹ Surface measurements that could be combined with regional modelling. ² Including ultra-light and unmanned airborne vehicles. ³ Up to 2–3 km. ⁴ Profiles generally need to be extrapolated. ⁵ Different daily coverage and spatial resolutions.						