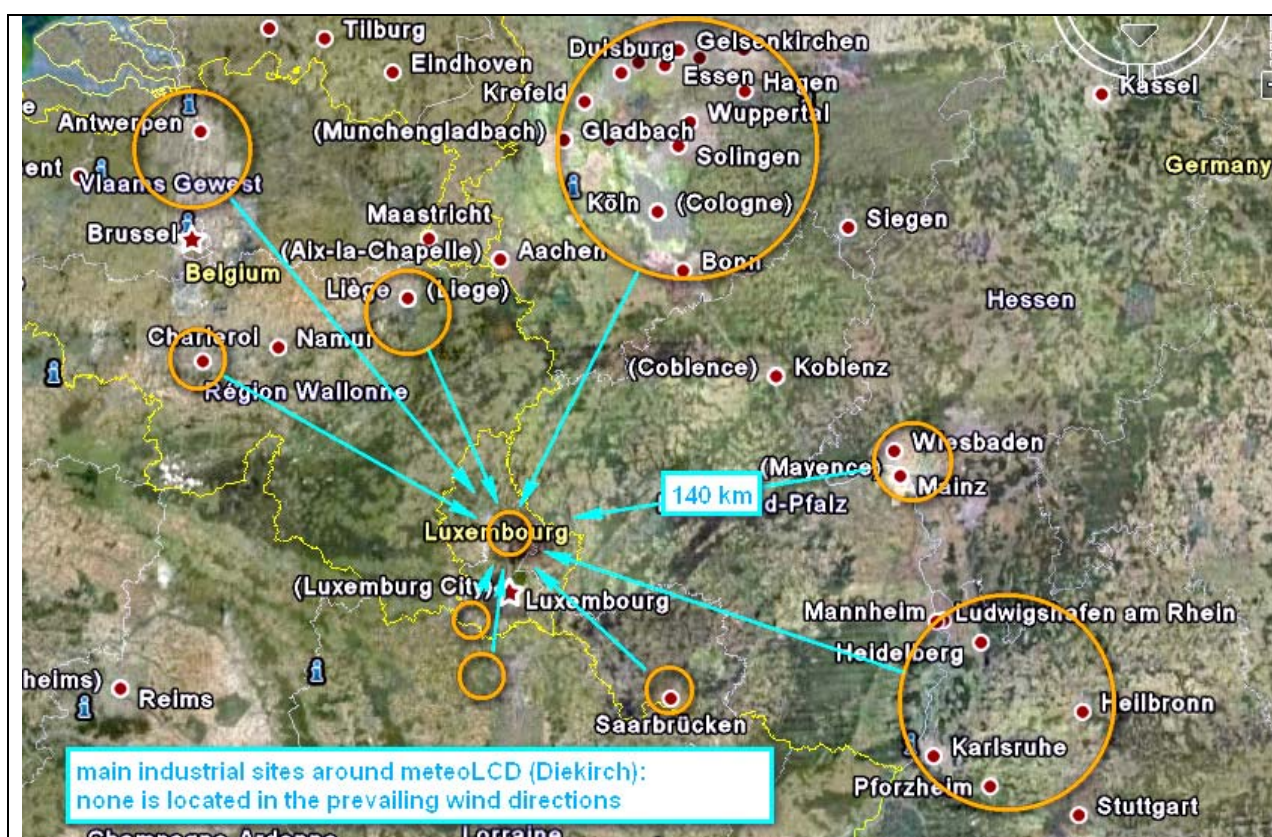


10 Years Ozone Measurements at meteoLCD (<http://meteo.lcd.lu>) delivering live O3 data since 1998



- meteoLCD - independant meteorological station of the Lycée Classique de Diekirch (alt. 218m asl, lat. 50° long. 6°E, semi-rural environment)
- station is specialized in measuring solar parameters (TSI, UVB, UVA), atmospheric gases (CO2, NO, NO2, O3) and total ozone column.
- agreed as **Station 412 of the WOUDC** (World Ozone and UV Radiation Data Center)
- delivering near-live data 24h/24h since 1998, unlimited free access to all data.
- managed by Francis Massen , Physics Lab and Computing Dept. of the LCD
email: francis.massen@education.lu



Location of the most important industrial neighbouring regions..

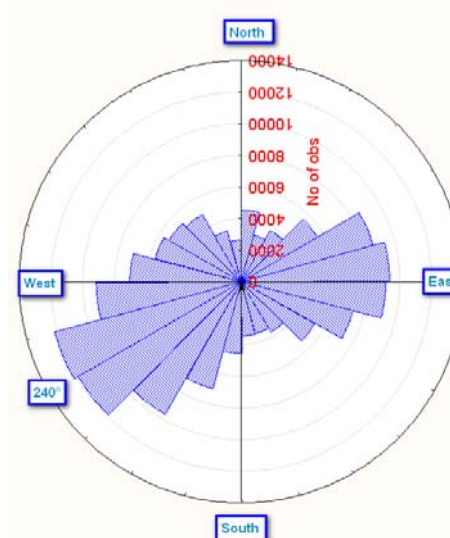
With the exception of the Wiesbaden-Mainz region, Diekirch is not downwind to any of the big industrial centres.

Please note the dense forest cover of German Rheinland-Pfalz and the Belgian Ardennes around Diekirch (deciduous and resinous trees).

Easterly winds travel over large forested regions before reaching Diekirch.



Prevailing wind directions correspond more or less to the orientation of the valleys leading to Diekirch



Histogram for 1998- 2007.wind diretions

Equipment for gas measurements:

- O3M41 ozone sensor from Environnement SA (up to end 2003)
- API M400E ozone sensor from API Teledyne
- MIR9000 CO2 sensor from Environnement SA (up to 2007)
- API E600 CO2 sensor from API Teledyne
- AC31 NO/NO2 sensor from Environnement SA
- Zero Air generator from Schmidtlin

