

## User guide

Emissions can be visualized for selected sectors or as national total (sum of emissions for all sectors). To change the view, select the preferred layer in the legend in the right screen side.

Press the information button (i) to view the emissions of the exact location. The emissions appear in the pop-up with the spatial reference to the grid cell ID in the Danish 1 km x 1 km grid (DKN 1km). Units for the emissions are:

Pollutant	Unit
SO <sub>2</sub> , NO <sub>x</sub> , NMVOC, CH <sub>4</sub> , CO, N <sub>2</sub> O, NH <sub>3</sub> , TSP, PM <sub>10</sub> , PM <sub>2.5</sub>	Mg/km <sup>2</sup> /year
CO <sub>2</sub>	Gg/km <sup>2</sup> /year
As, Cd, Cr, Cu, Hg, Ni, Pb, Se, Zn, Benzo(b)fluoranthene, benzo(k) fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, HCB	kg/km <sup>2</sup> /year
PCDD/F	g I-Teq/km <sup>2</sup> /year

Detailed description on the Danish spatial high-resolution emission distribution model, SPREAD can be found in Plejdrup & Gyldenkærne (2011). The 2010 emission inventories are described in separate reports for greenhouse gases (Nielsen et al. 2012a) and air pollution (Nielsen et al. 2012b).

## Referencer

Nielsen, O.-K., Mikkelsen, M.H., Hoffmann, L., Gyldenkærne, S., Winther, M., Nielsen, M., Fauser, P., Thomsen, M., Plejdrup, M.S., Albrektsen, R., Hjelgaard, K., Bruun, H.G., Johannsen, V.K., Nord-Larsen, T., Bastrup-Birk, A., Vesterdal, L., Møller, I.S., Rasmussen, E., Arfaoui, K., Baunbæk, L. & Hansen, M.G. (2012a): Denmark's National Inventory Report 2012. Emission Inventories 1990-2010 - Submitted under the United Nations Framework Convention on Climate Change and the Kyoto Protocol. Aarhus University, DCE – Danish Centre for Environment and Energy, 1167 pp. Scientific Report from DCE – Danish Centre for Environment and Energy No. 19. <http://www.dmu.dk/Pub/SR19.pdf>

Nielsen, O.-K., Winther, M., Mikkelsen, M.H., Hoffmann, L., Nielsen, M., Gyldenkærne, S., Fauser, P., Plejdrup, M.S., Albrektsen, R., Hjelgaard, K. & Bruun, H.G. (2012b): Annual Danish Informative Inventory Report to UNECE. Emission inventories from the base year of the protocols to year 2010. Aarhus University, DCE – Danish Centre for Environment and Energy, 669 pp. Scientific Report from DCE – Danish Centre for Environment and Energy No. 18 <http://www.dmu.dk/Pub/SR18.pdf>

Plejdrup, M.S. & Gyldenkærne, S. 2011: Spatial distribution of emissions to air – the SPREAD model. National Environmental Research Institute, Aarhus University, Denmark. 72 pp. – NERI Technical Report no. FR823. <http://www.dmu.dk/Pub/FR823.pdf>