

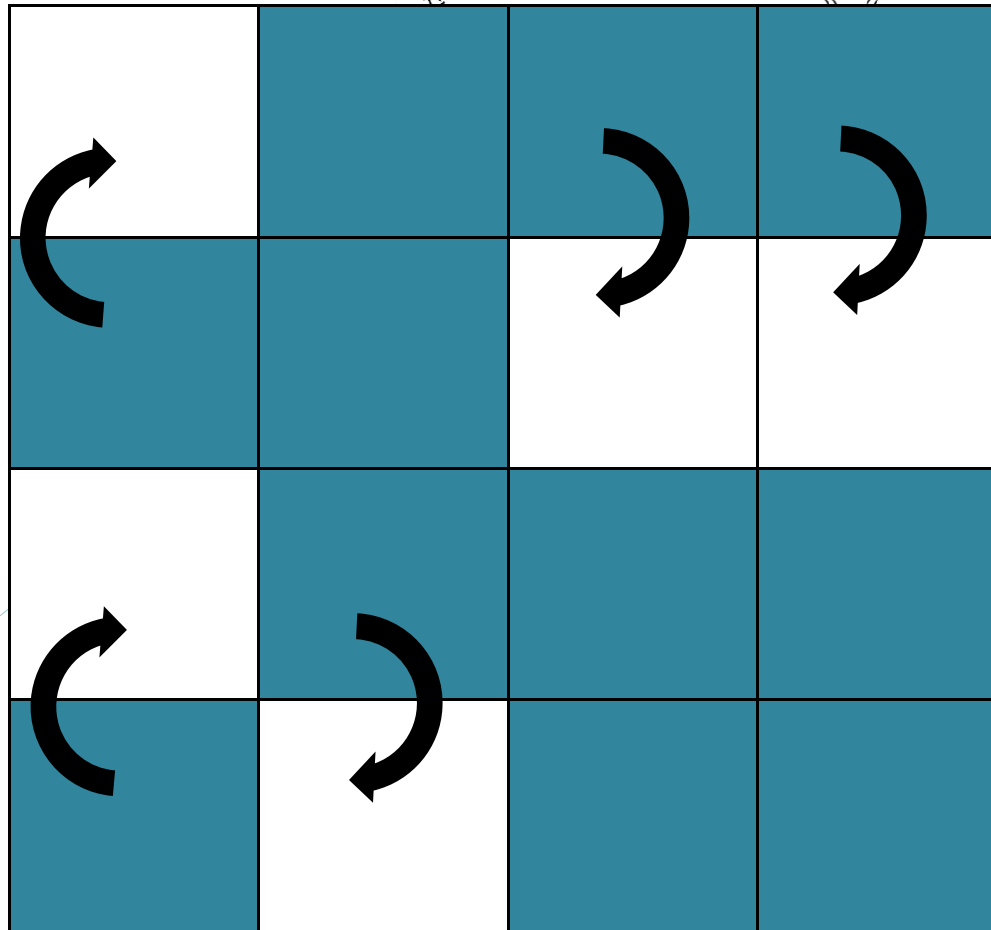
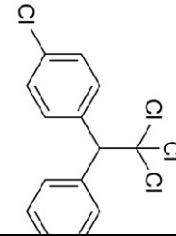
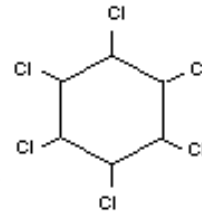
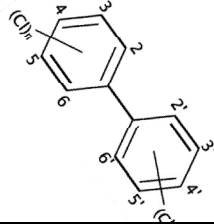
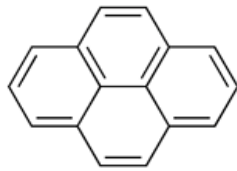
Cocktails in the Arctic

Are the polar bears loaded yet?

Frederik De Laender, Jort Hammer,
Jan Hendriks, Karline Soetaert and Colin Janssen

frederik.delaender@ugent.be

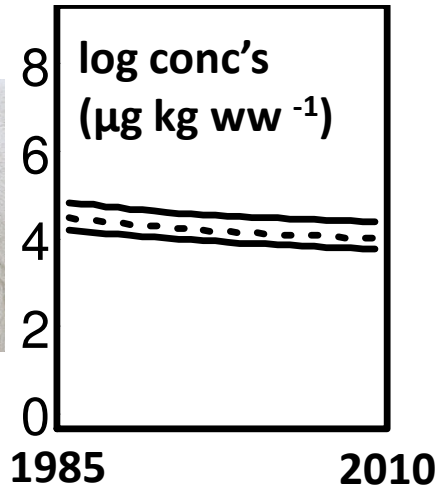
Bioaccumulation model predicts missing pieces



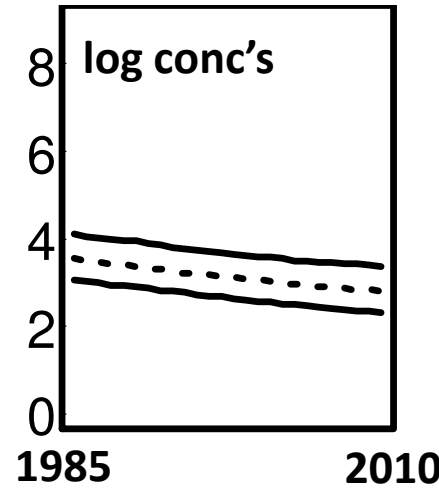
Concentrations



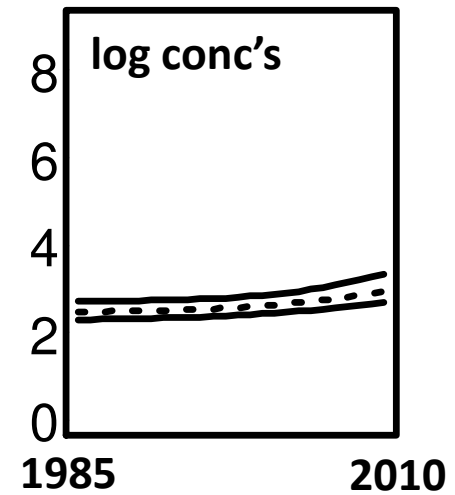
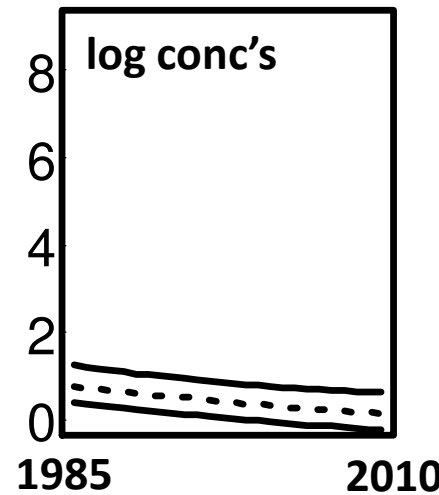
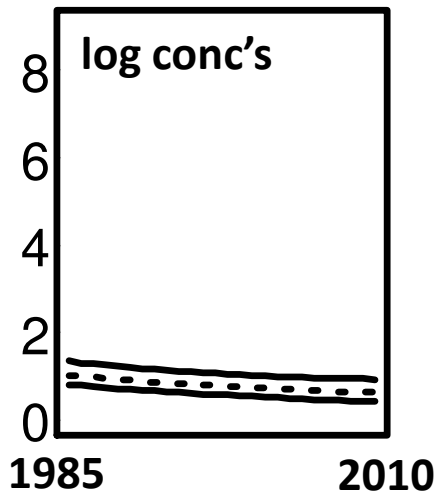
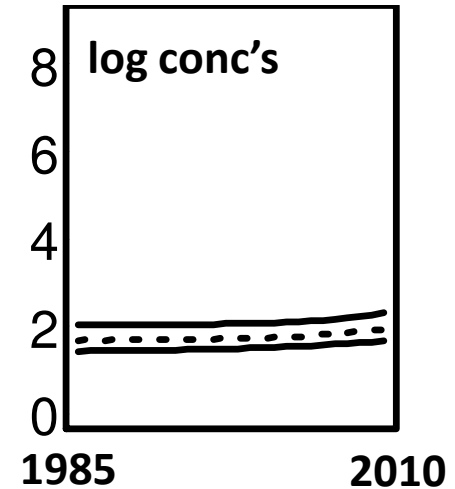
PCB-cocktail



DDT-cocktail



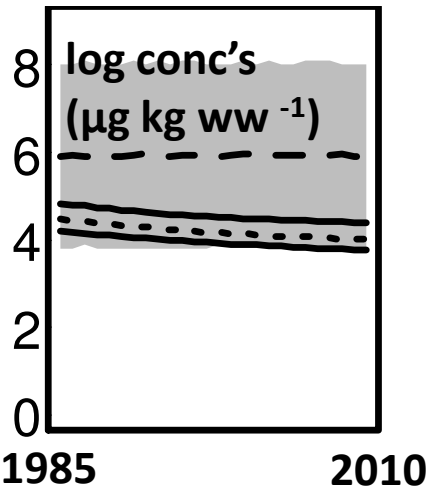
PAH-cocktail



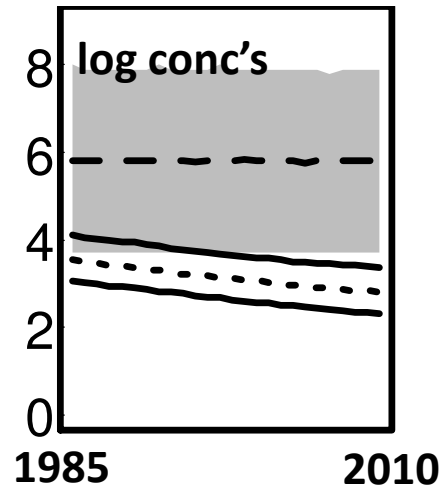
Concentrations vs. toxic thresholds



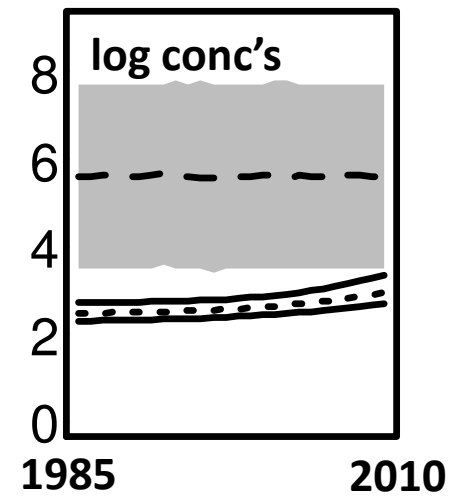
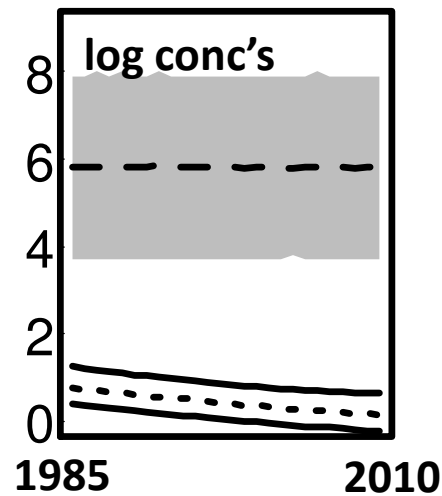
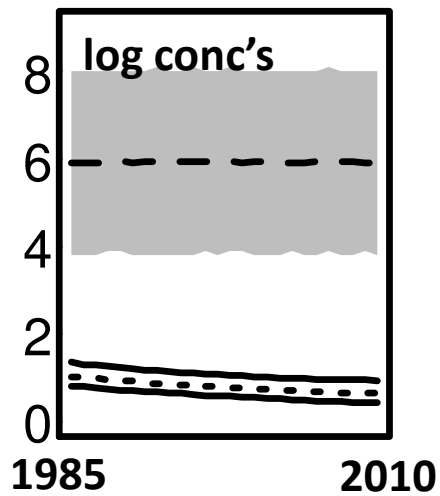
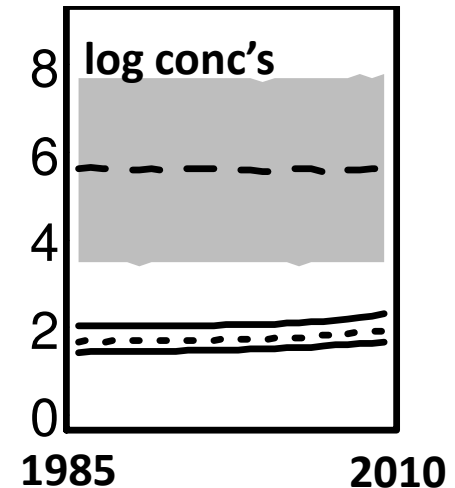
PCB-cocktail



DDT-cocktail



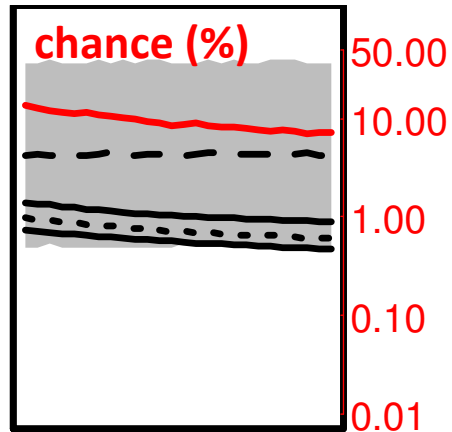
PAH-cocktail



Chance to have concentration > threshold



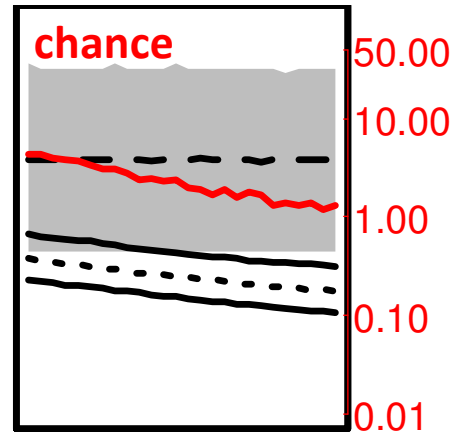
PCB-cocktail



1985 2010



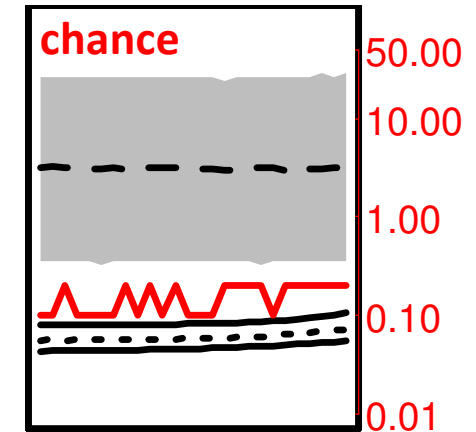
DDT-cocktail



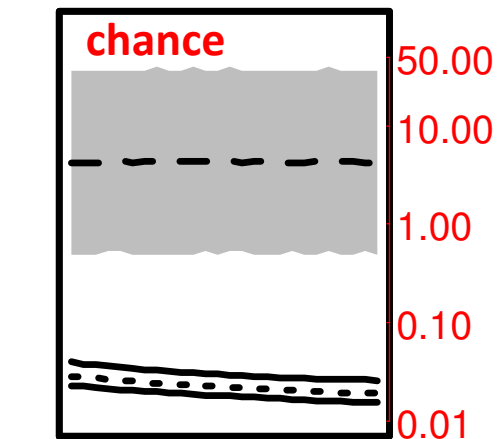
1985 2010



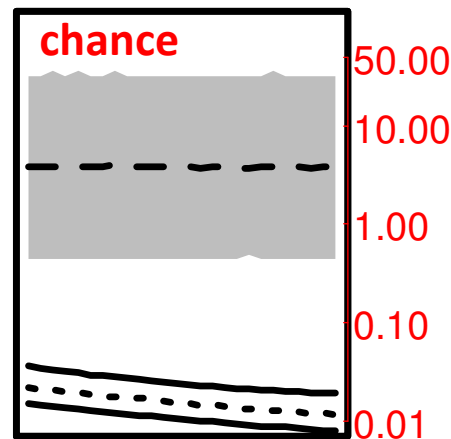
PAH-cocktail



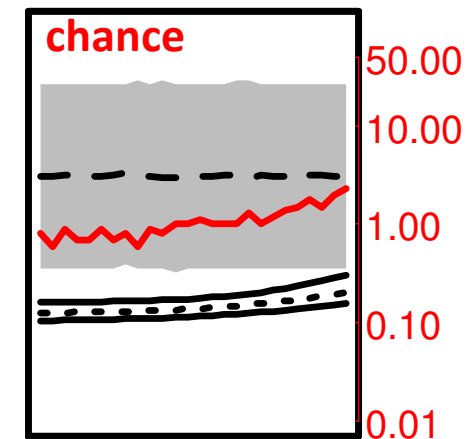
1985 2010



1985 2010



1985 2010



1985 2010

So who's loaded??

chance (%)

