

Table S4: Sources for effort data used in the hindcast simulations.

Fleet	Period available	Source and notes
Demersal trawl & seine	1978-2008	(WGNSK08, 2008), including fleets SCOSEI_IV, SCOLTR_IV, ENGTRL_IV, ENGSEI_IV, FRATRB_IV, FRATRO_IV, NORTRL_IV, GER_OTB_IV
Beam trawl	1979-2007	(WGNSK08, 2008), including fleets NL_BT_EFF,UK_BT_EFF
Pelagic trawl & seine	1987-2006	(WGNSK08, 2008) fleet NOR_DEN_NPOUT_EFF
Nephrops trawl	1981-2004	(WGNSK06, 2006), summed over Nephrops functional units
Shrimp trawl	1984-2003	(WGPAN, 2005), Pandulus – total international effort in ICES div IV.