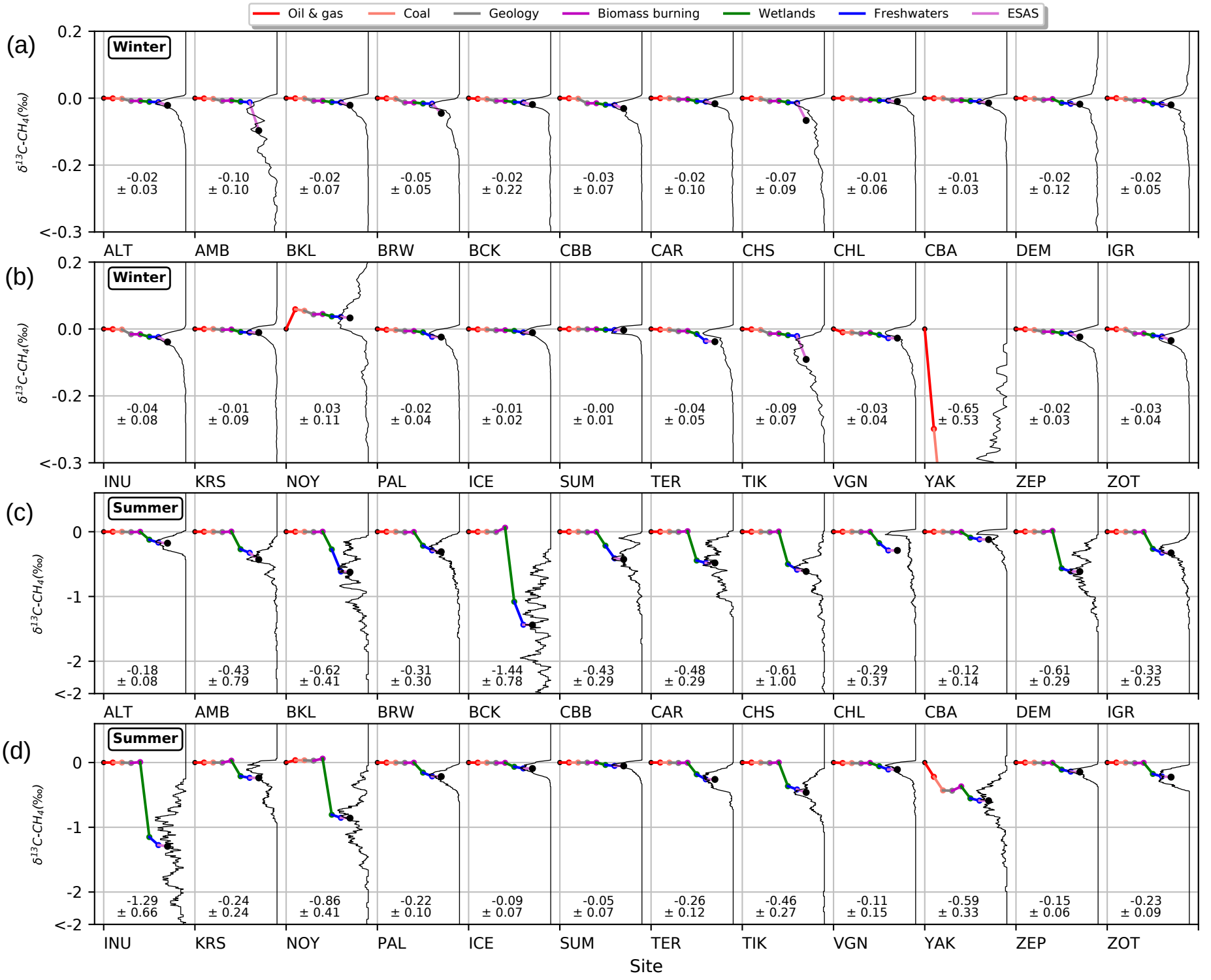
Oil & gas
Coal
Geology
Biomass burning
Wetlands
Freshwaters
ESAS
(a)
Winter
(b)
Winter
(c)
Summer
(d)
Summer
δ13C-CH4(‰)
0.2
0.0
-0.2
<-0.3
0
-1
-2
<-2
-0.02 ± 0.03
-0.10 ± 0.10
-0.02 ± 0.07
-0.05 ± 0.05
-0.02 ± 0.22
-0.03 ± 0.07
-0.02 ± 0.10
-0.07 ± 0.09
-0.01 ± 0.06
-0.01 ± 0.03
-0.02 ± 0.12
-0.02 ± 0.05
-0.04 ± 0.08
-0.01 ± 0.09
0.03 ± 0.11
-0.02 ± 0.04
-0.01 ± 0.02
-0.00 ± 0.01
-0.04 ± 0.05
-0.09 ± 0.07
-0.03 ± 0.04
-0.65 ± 0.53
-0.02 ± 0.03
-0.03 ± 0.04
-0.18 ± 0.08
-0.43 ± 0.79
-0.62 ± 0.41
-0.31 ± 0.30
-1.44 ± 0.78
-0.43 ± 0.29
-0.48 ± 0.29
-0.61 ± 1.00
-0.29 ± 0.37
-0.12 ± 0.14
-0.61 ± 0.29
-0.33 ± 0.25
-1.29 ± 0.66
-0.24 ± 0.24
-0.86 ± 0.41
-0.22 ± 0.10
-0.09 ± 0.07
-0.05 ± 0.07
-0.26 ± 0.12
-0.46 ± 0.27
-0.11 ± 0.15
-0.59 ± 0.33
-0.15 ± 0.06
-0.23 ± 0.09
ALT
AMB
BKL
BRW
BCK
CBB
CAR
CHS
CHL
CBA
DEM
IGR
INU
KRS
NOY
PAL
ICE
SUM
TER
TIK
VGN
YAK
ZEP
ZOT
Site