Differences:
National geoid models minus BSCD2000 transformation grid

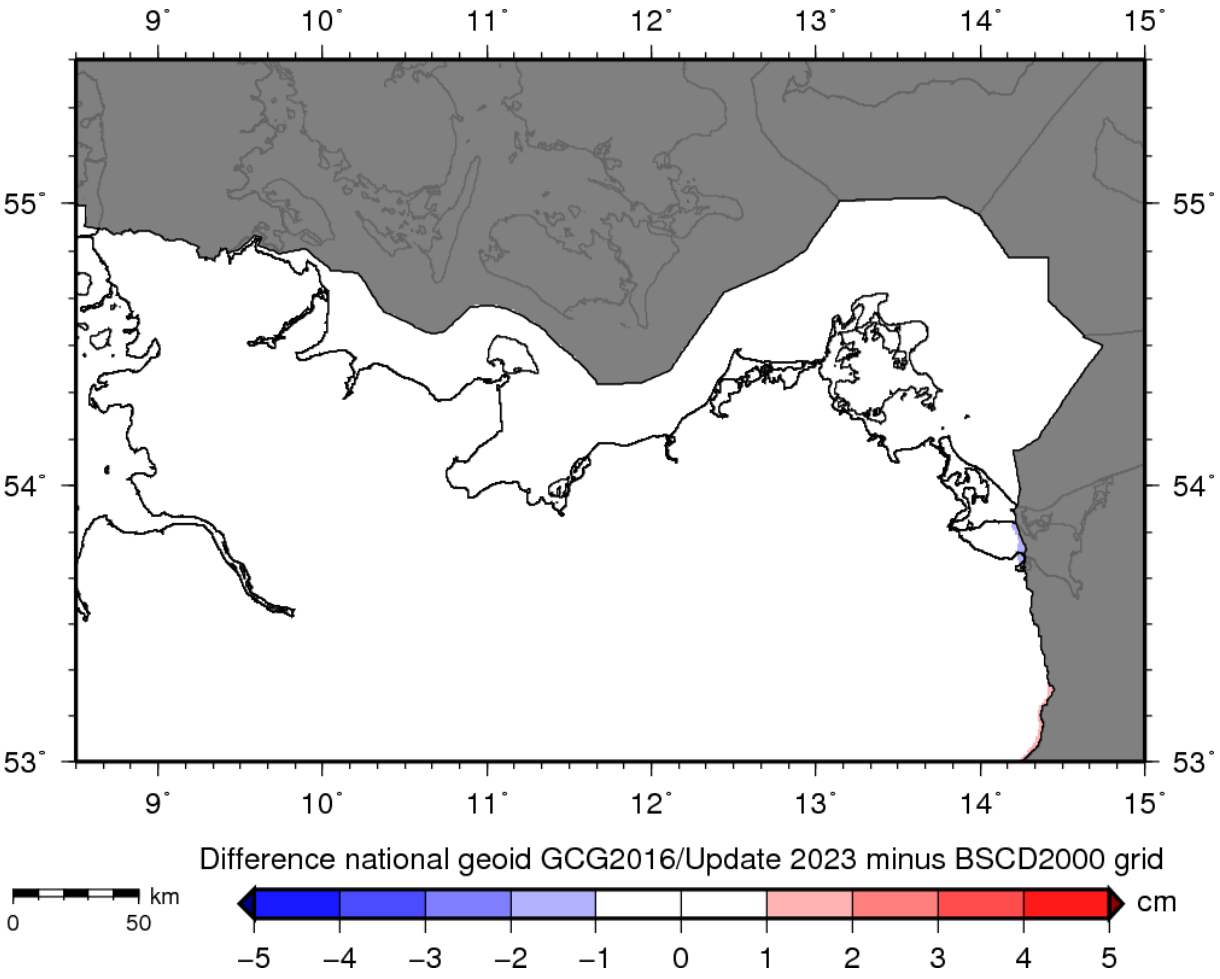
Version: **1.1 (2024-06-14)**

Changes:

- (Version 1.1, 2024-06-14)
  Updated plot for Finland with finally published geoid model FIN2023N00

Contact: sma@sjofartsverket.se?subject=BSCD2000

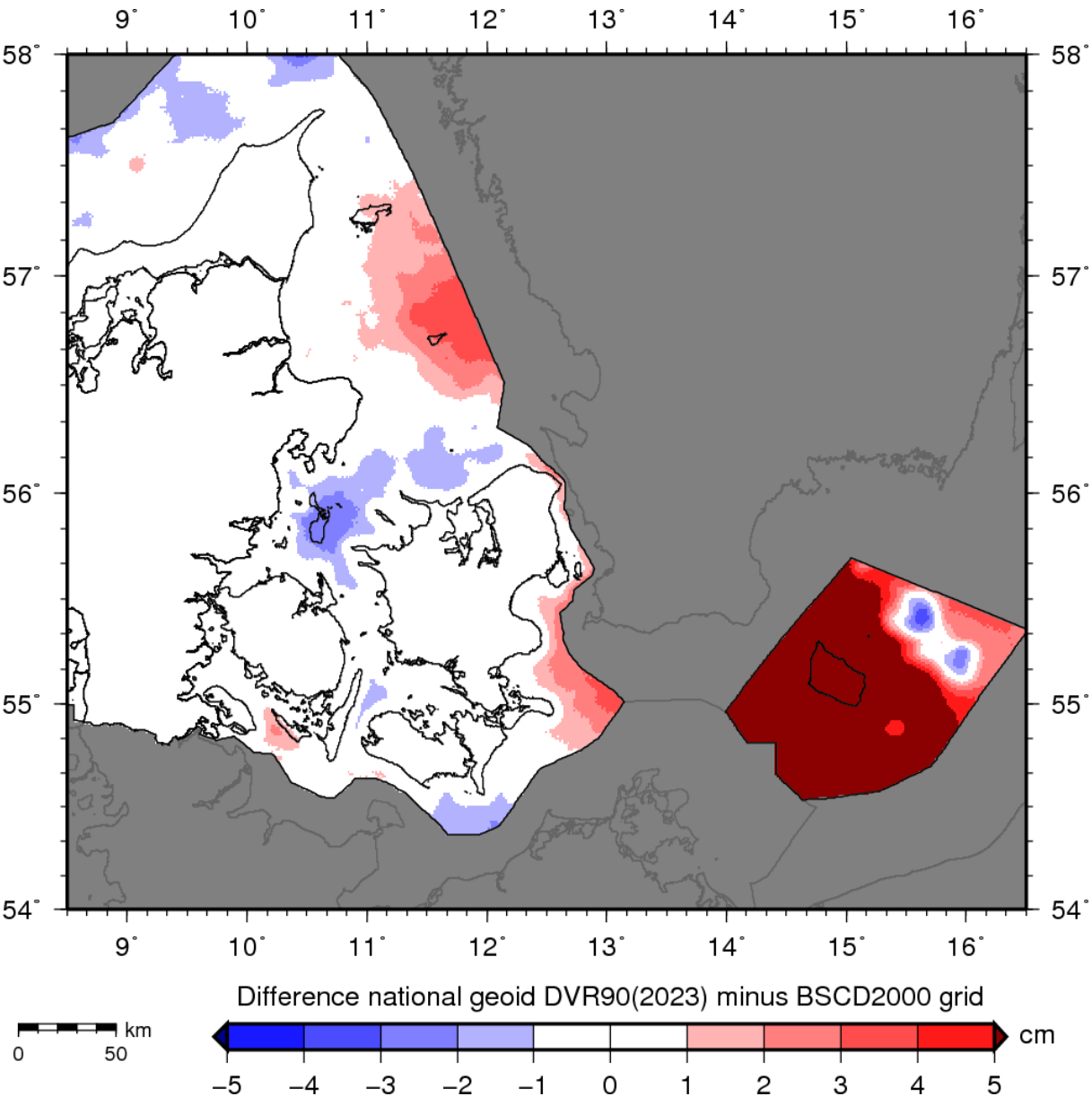
DE – Germany


9°
10°
11°
12°
13°
14°
15°
55°
54°
53°
Difference national geoid GCG2016/Update 2023 minus BSCD2000 grid
km
0
50
cm
−5
−4
−3
−2
−1
0
1
2
3
4
5

DK – Denmark

Please note:

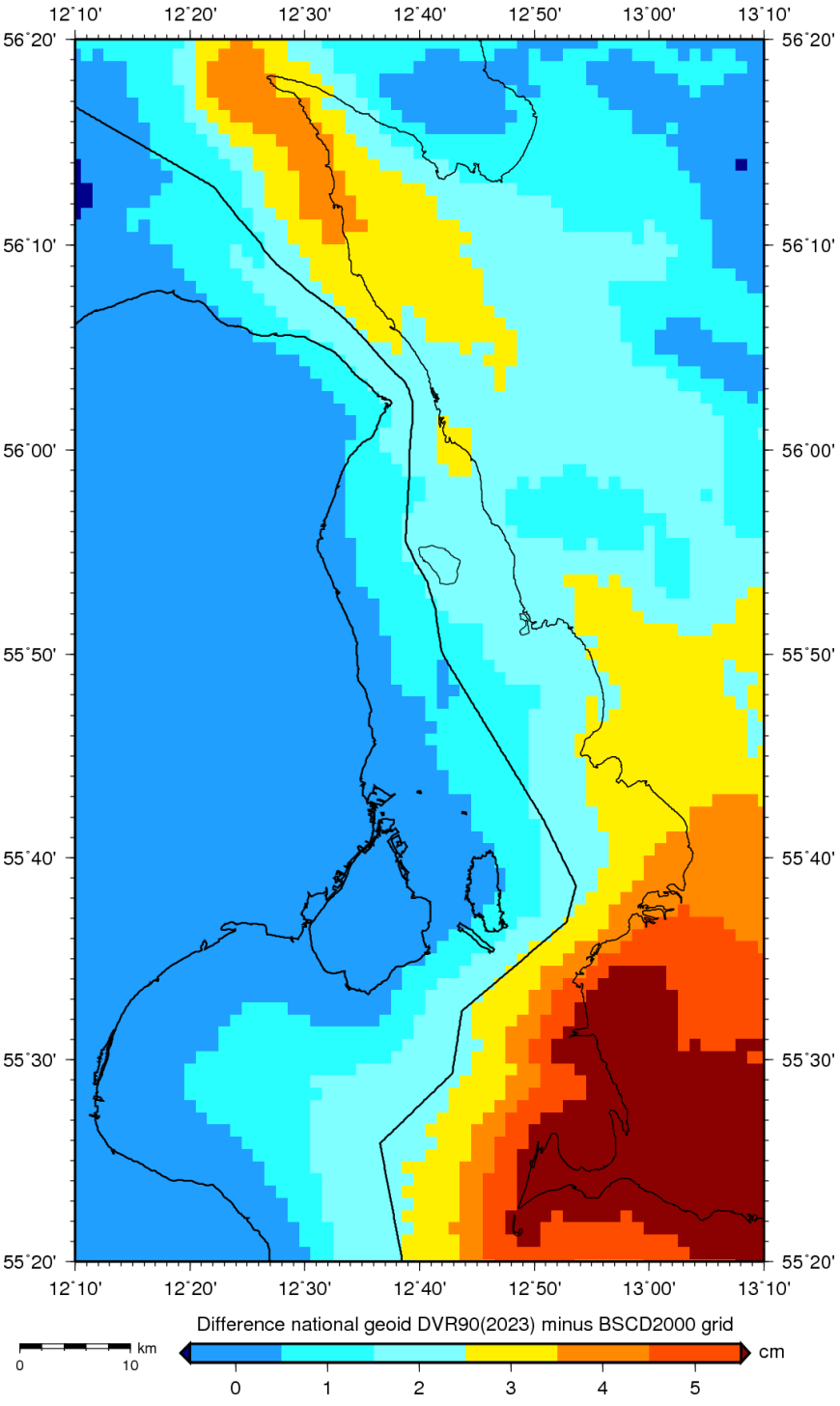
The Danish vertical reference system DVR90 is related to the historical mean sea level at the Normaal Amsterdams Peil (NAP). The local DVR90 height datum for the island of Bornholm is related to the mean sea level at Bornholm, which differs from the zero level of NAP by about 13 cm. The DVR90(2023) geoid has been fitted to the local datum of Bornholm in that area. This explains the big anomaly around Bornholm and south of Sweden.



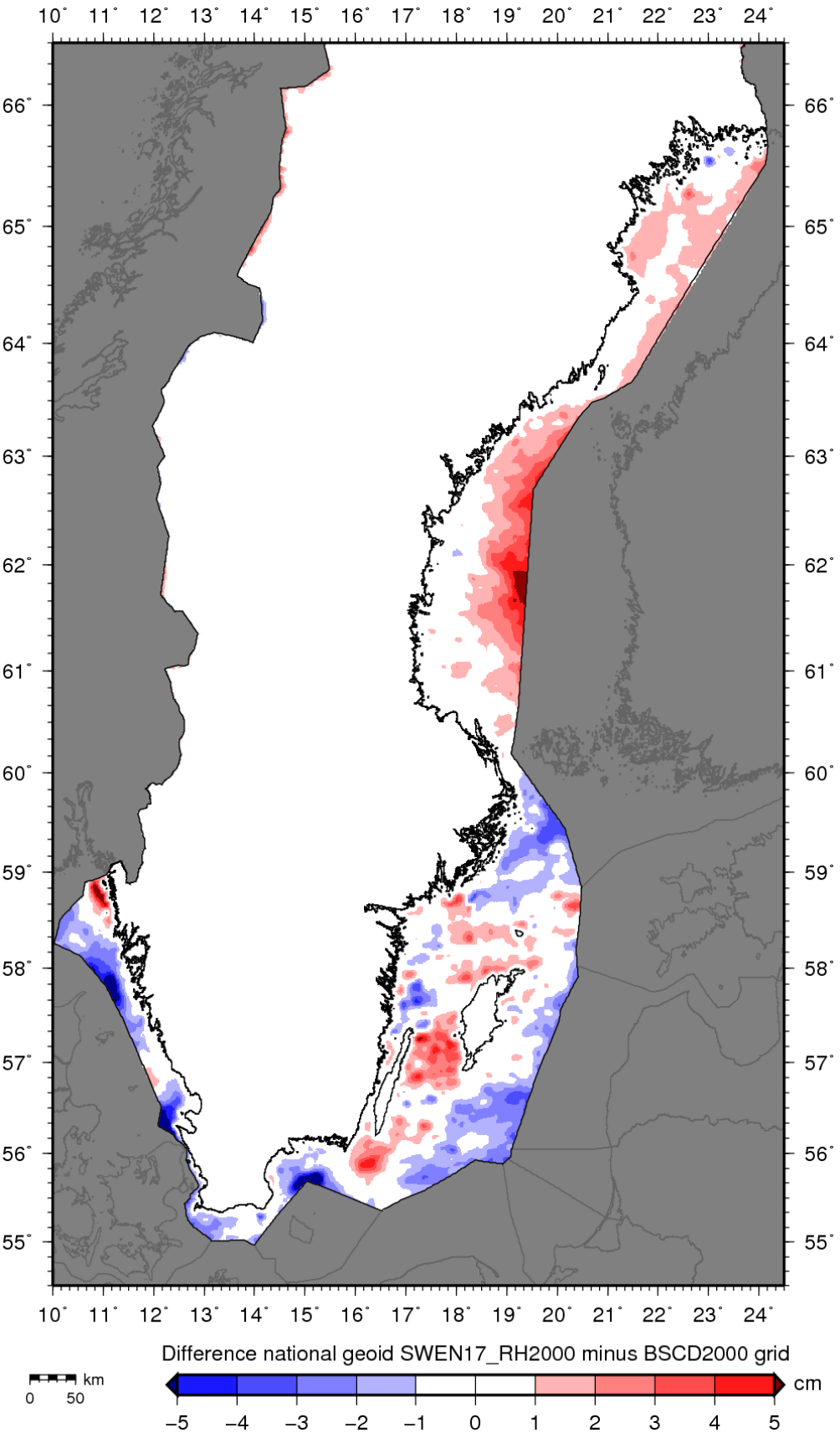
DK – Denmark / Detail plot for Øresund region

Please note:

The national realizations of the height reference of Denmark and Sweden differ by about 2-3 cm, which is reflected in the differences between the national geoid models in the Øresund region. The BSCD2000 transformation grid provides a seamless transition along the sea border.



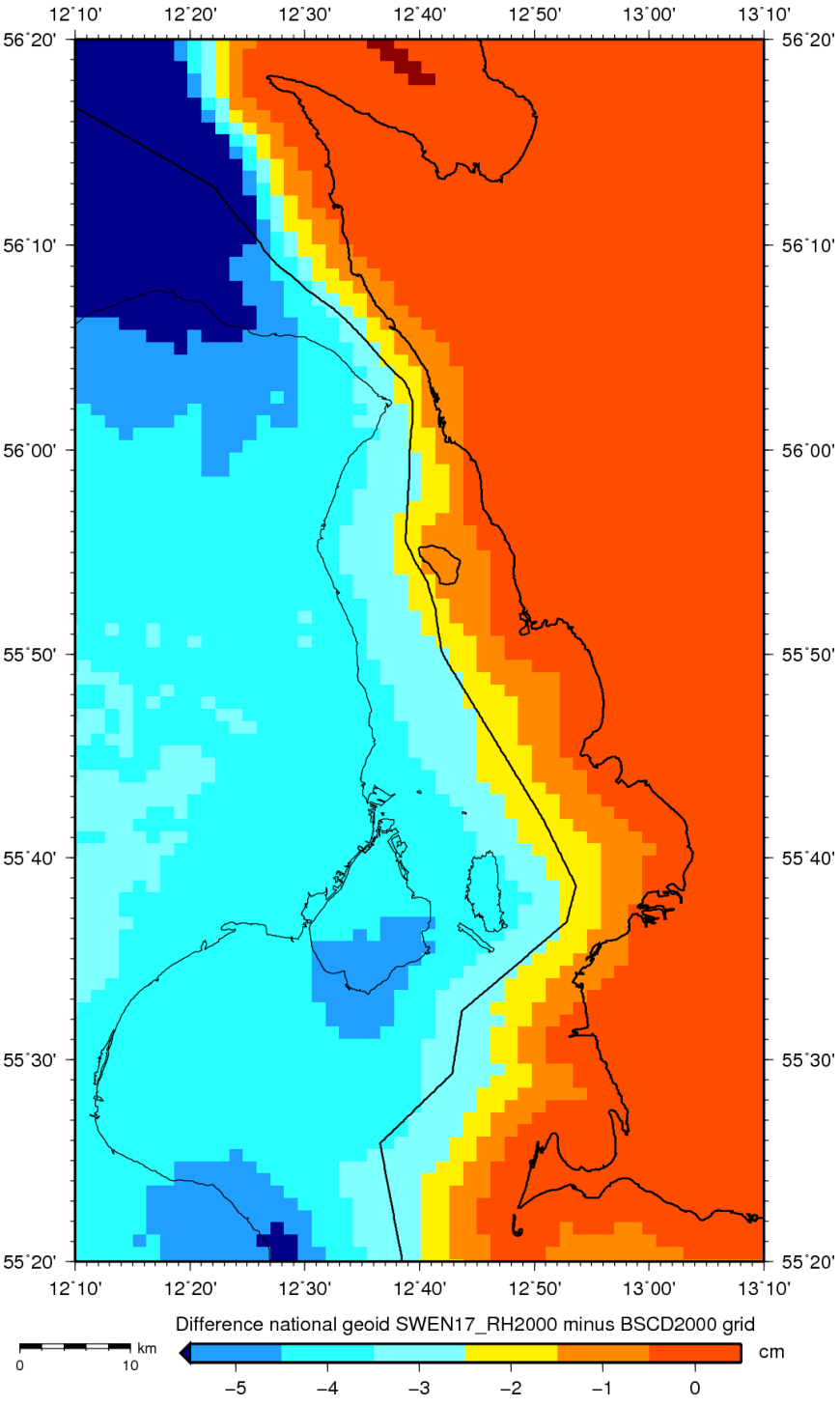
SE – Sweden


10° 11° 12° 13° 14° 15° 16° 17° 18° 19° 20° 21° 22° 23° 24°
66° 65° 64° 63° 62° 61° 60° 59° 58° 57° 56° 55°
Difference national geoid SWEN17_RH2000 minus BSCD2000 grid
km
0 50
−5 −4 −3 −2 −1 0 1 2 3 4 5
cm

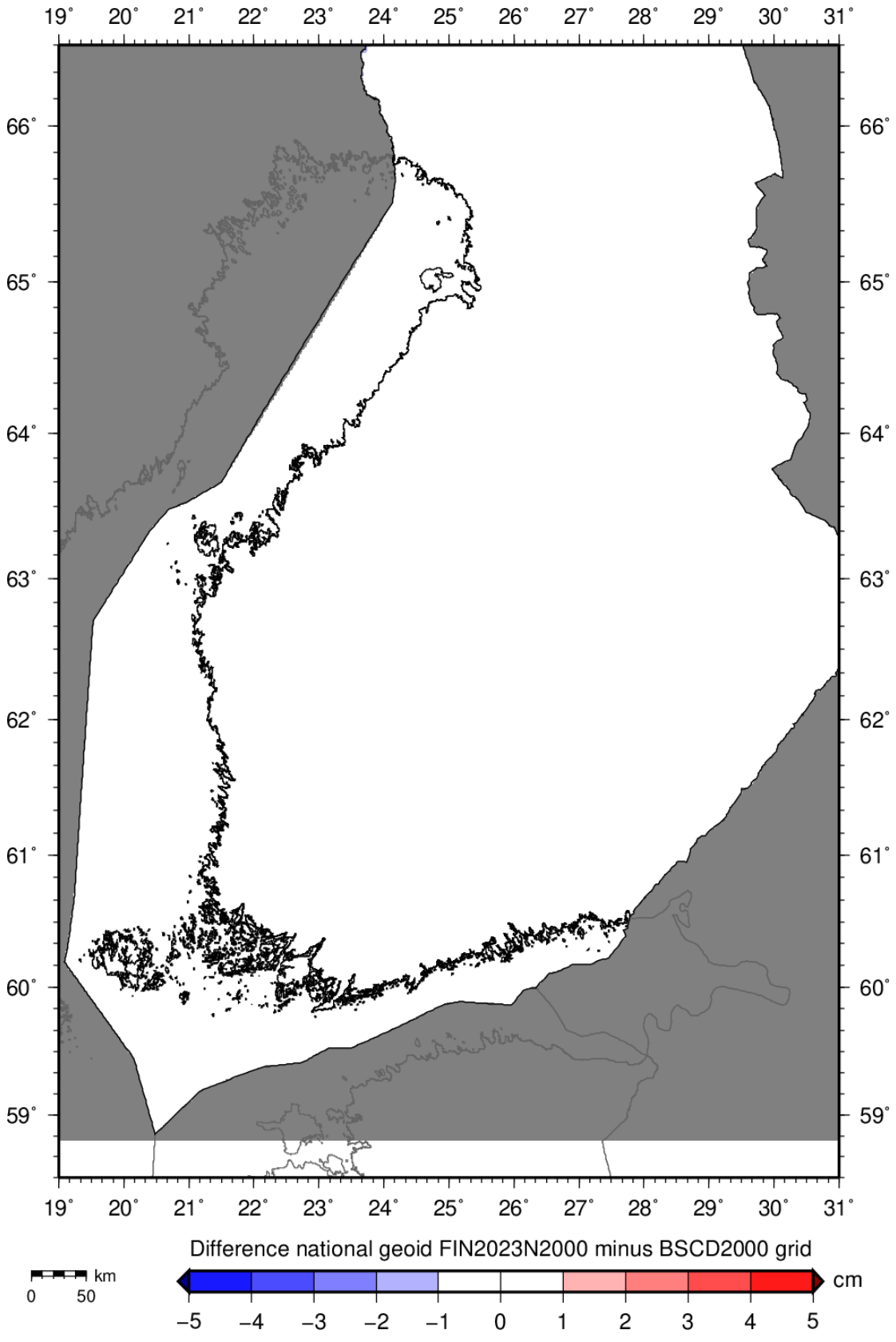
SE – Sweden / Detail plot for Öresund region

Please note:

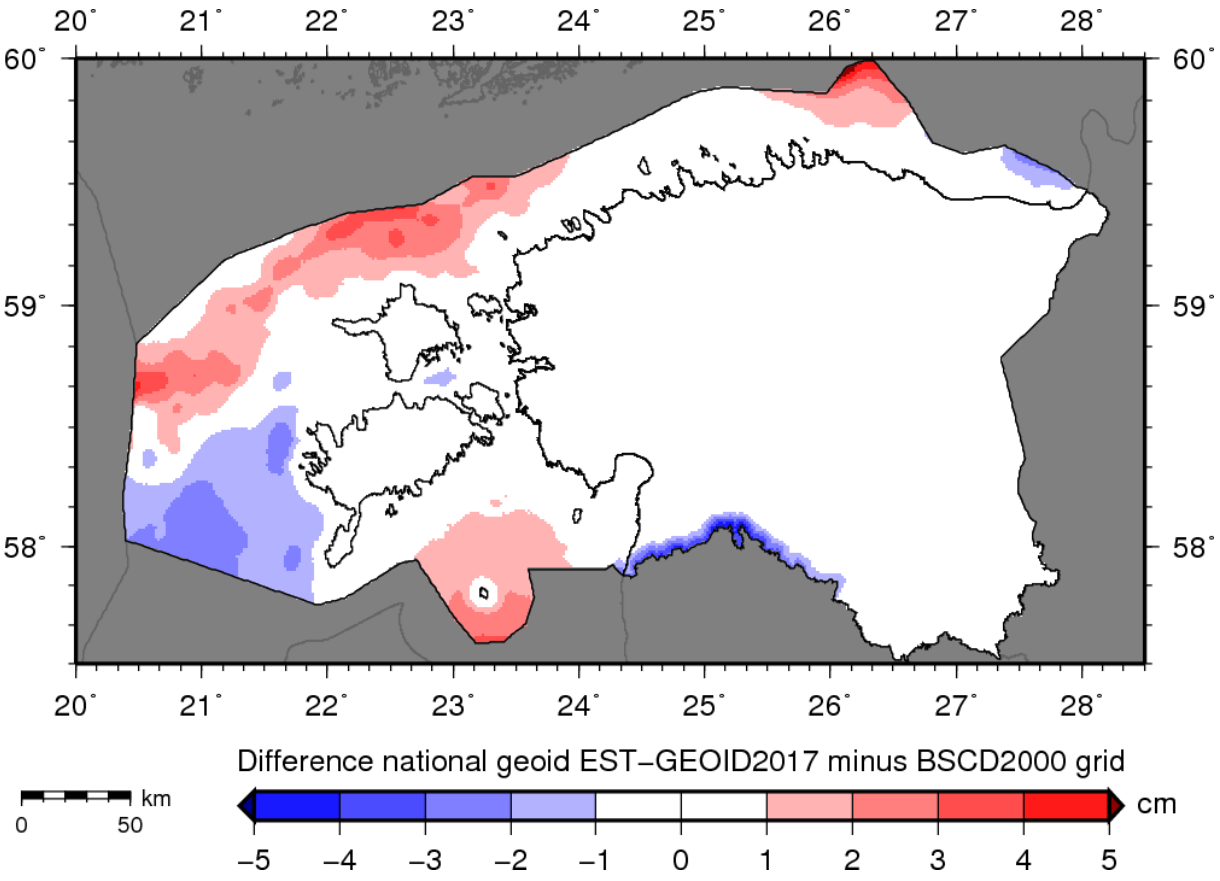
The national realizations of the height reference of Denmark and Sweden differ by about 2-3 cm, which is reflected in the differences between the national geoid models in the Öresund region. The BSCD2000 transformation grid provides a seamless transition along the sea border.



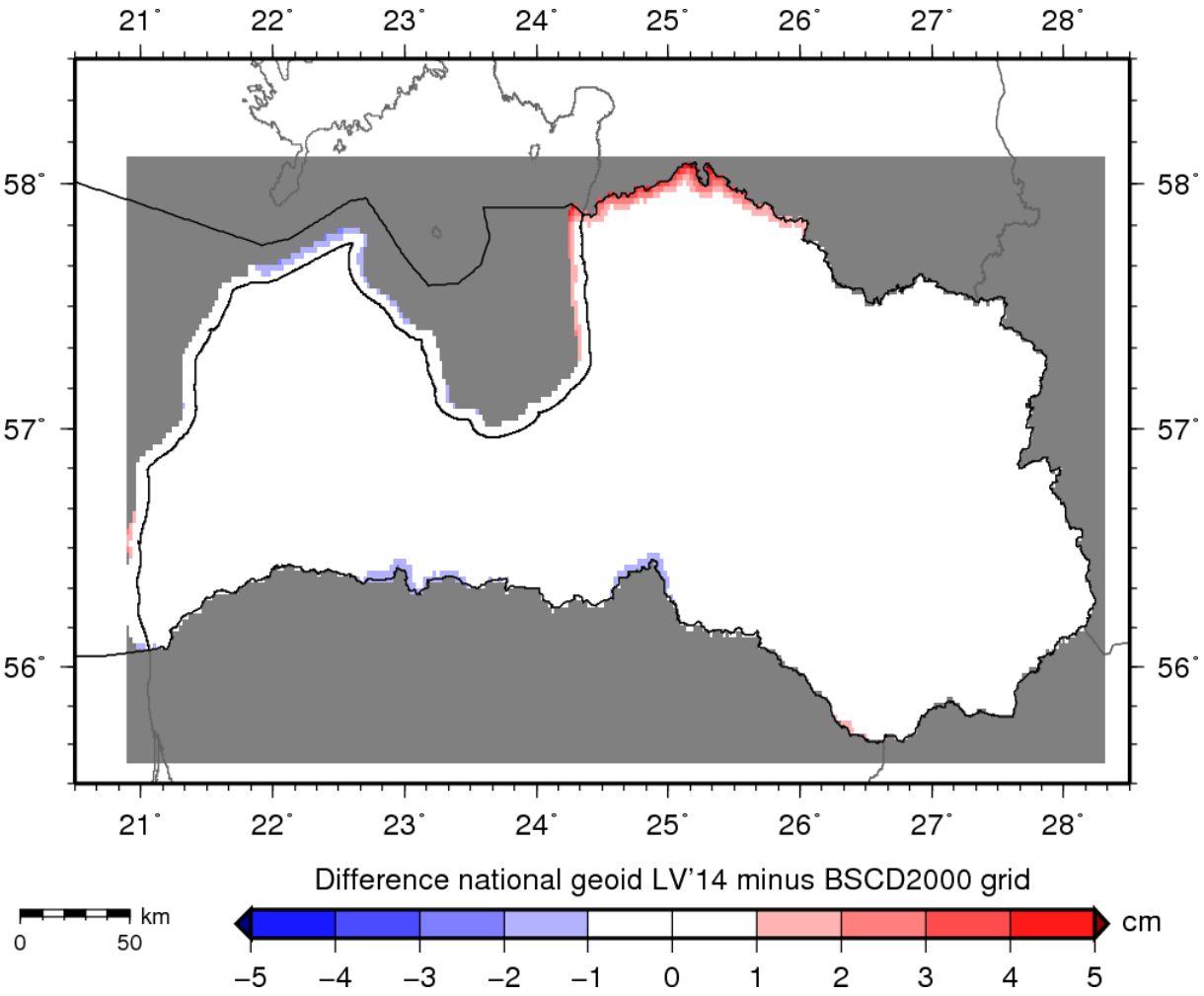
FI – Finland


19° 20° 21° 22° 23° 24° 25° 26° 27° 28° 29° 30° 31°
66° 65° 64° 63° 62° 61° 60° 59°
Difference national geoid FIN2023N2000 minus BSCD2000 grid
km
0 50
cm
−5 −4 −3 −2 −1 0 1 2 3 4 5

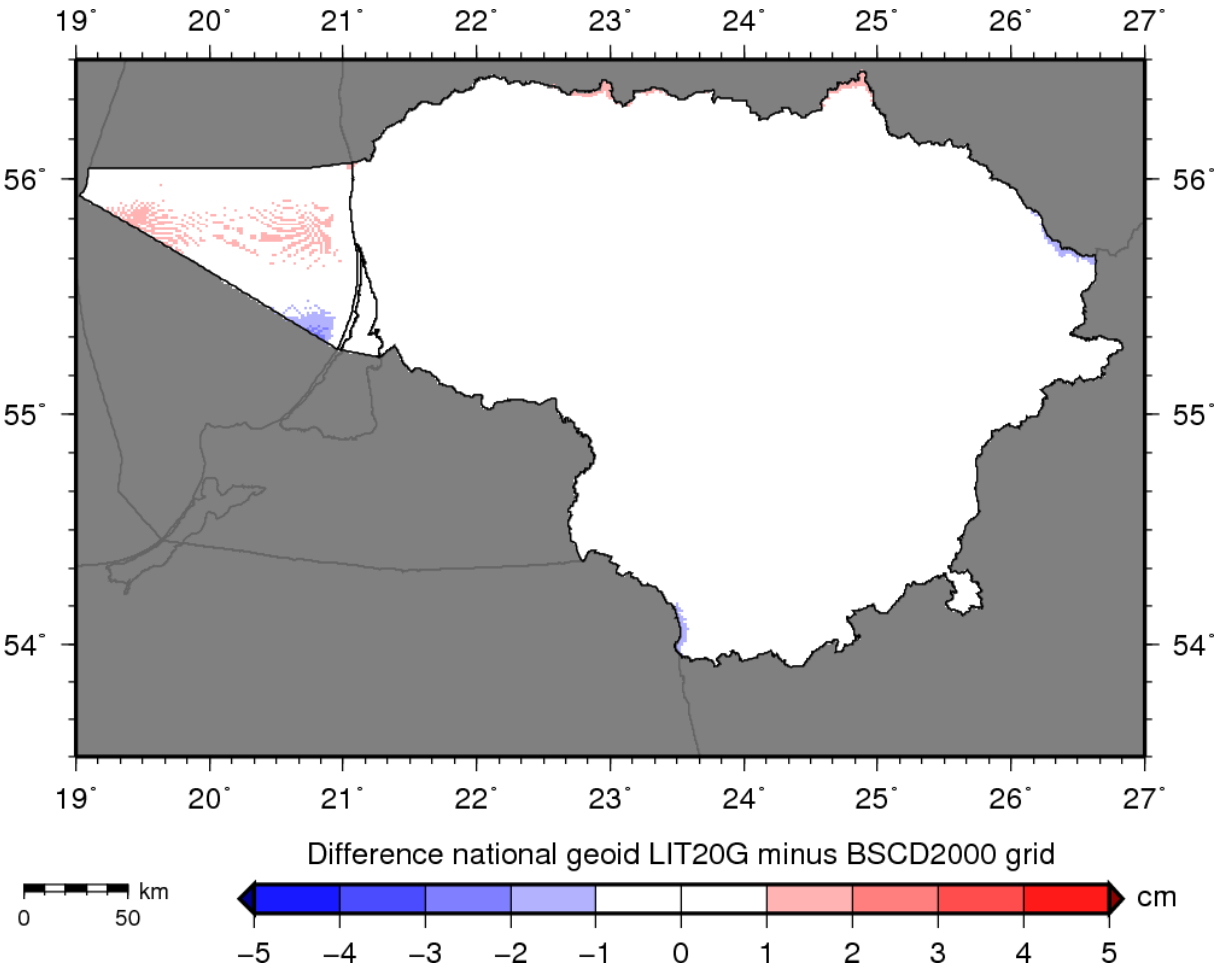
EE – Estonia


20˚
21˚
22˚
23˚
24˚
25˚
26˚
27˚
28˚
60˚
59˚
58˚
Difference national geoid EST–GEOID2017 minus BSCD2000 grid
km
0
50
cm
–5
–4
–3
–2
–1
0
1
2
3
4
5

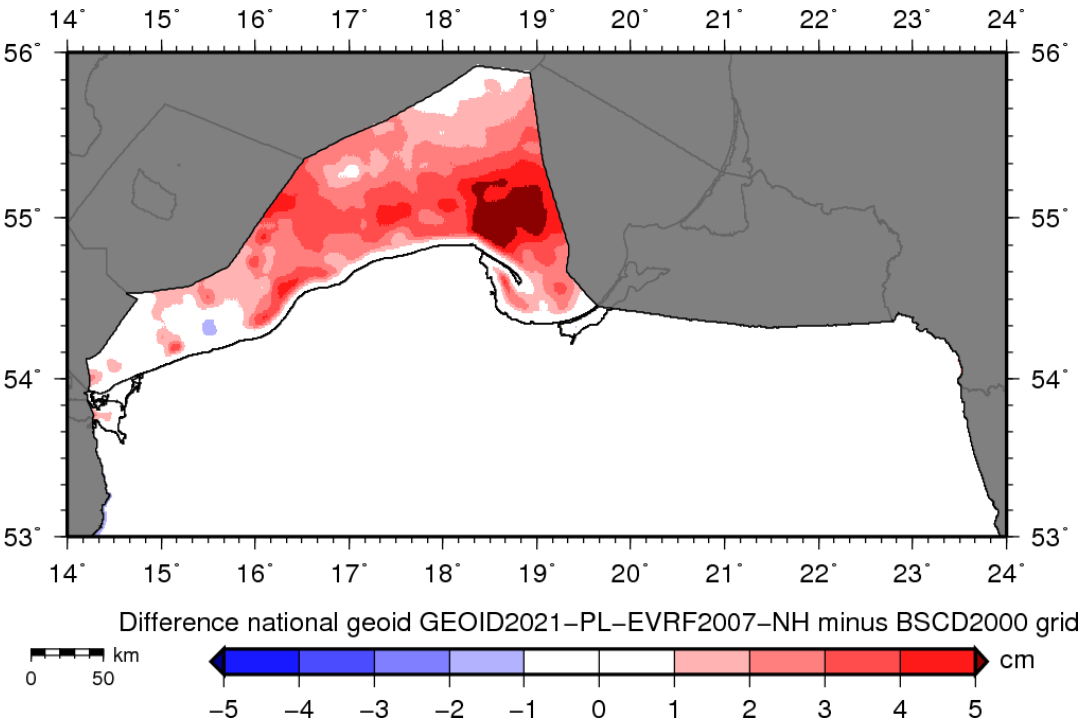
LV – Latvia


21˚
22˚
23˚
24˚
25˚
26˚
27˚
28˚
58˚
57˚
56˚
Difference national geoid LV'14 minus BSCD2000 grid
km
0
50
cm
−5
−4
−3
−2
−1
0
1
2
3
4
5

LT – Lithuania



PL – Poland


14° 15° 16° 17° 18° 19° 20° 21° 22° 23° 24°
56° 55° 54° 53°
Difference national geoid GEOID2021–PL–EVRF2007–NH minus BSCD2000 grid
km
0 50
cm
–5 –4 –3 –2 –1 0 1 2 3 4 5