

Group A

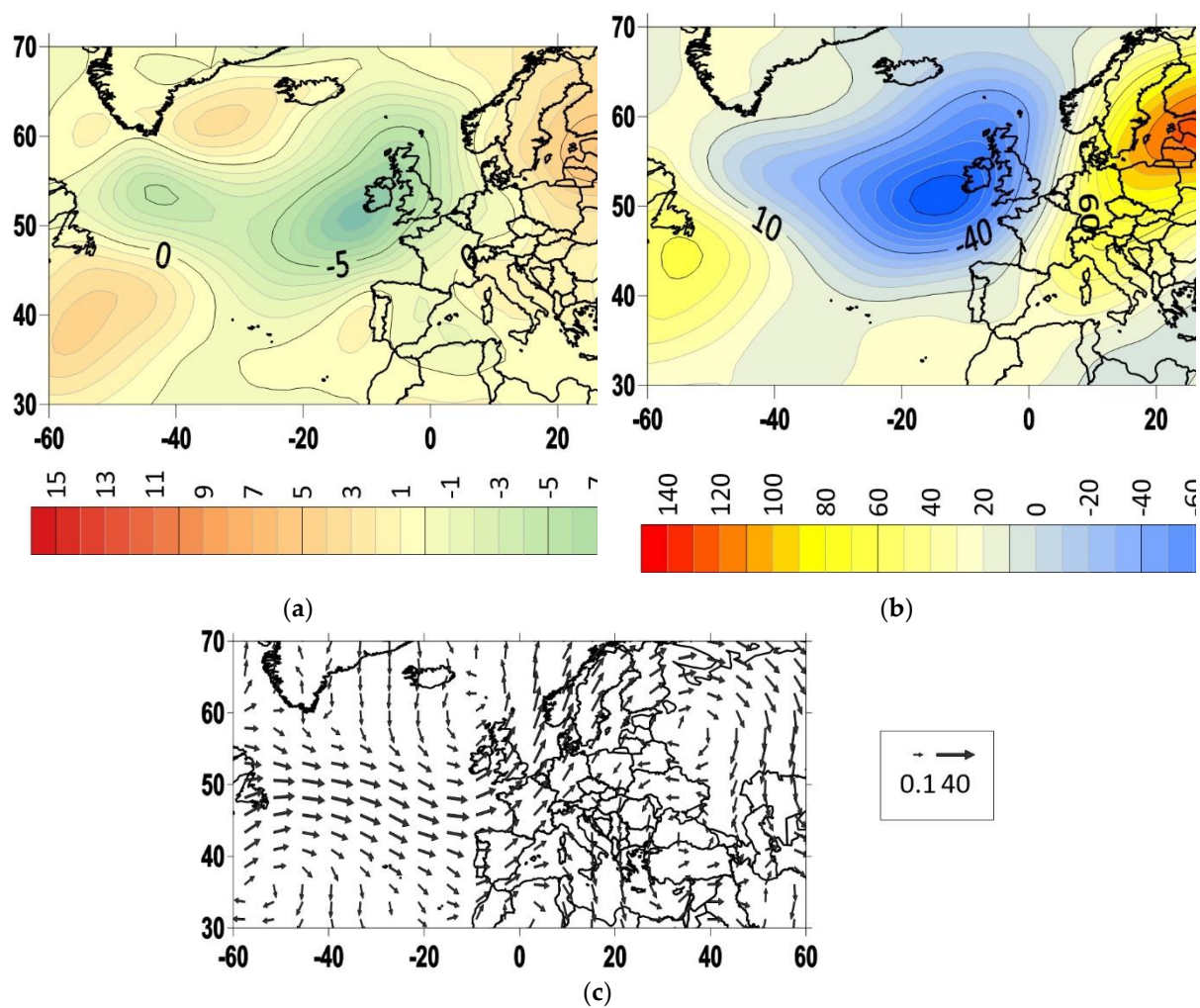
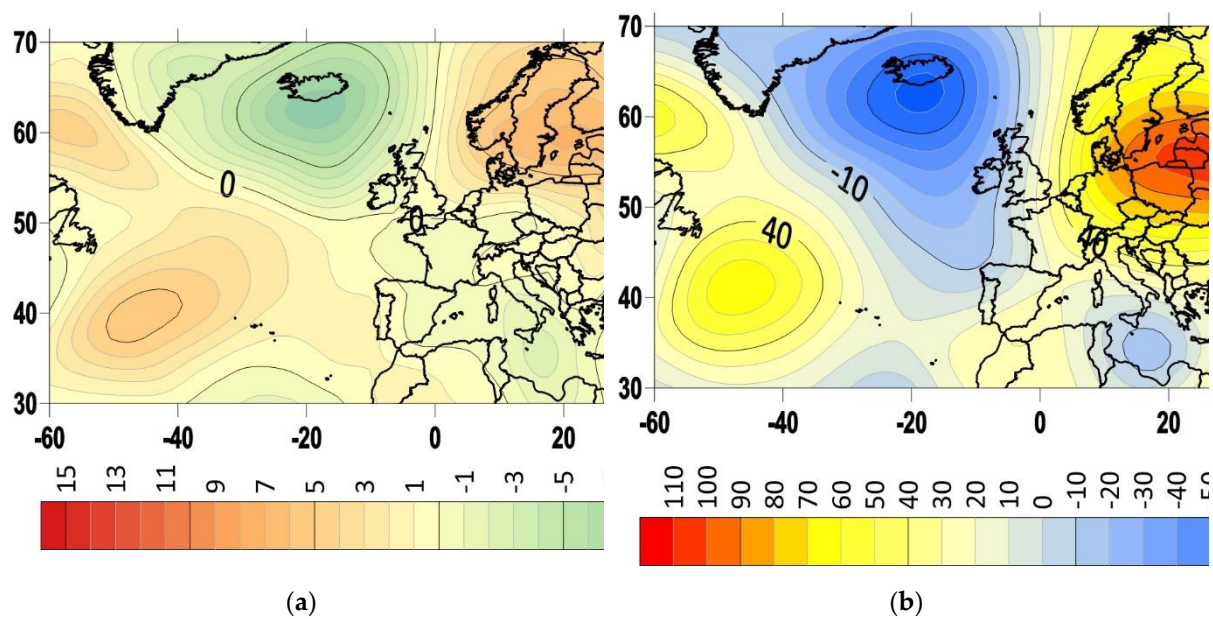


Figure S1. Average fields for the 2010 heat wave: (a) anomalies of SLP; (b) anomalies of HGT700 mb; (c) wind at 700 hPa level.



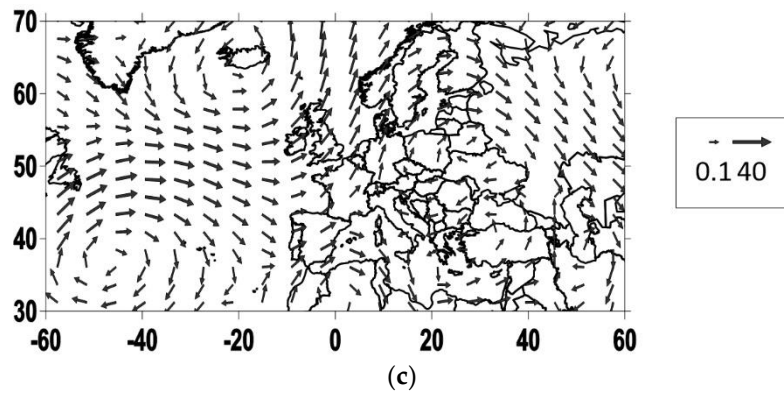


Figure S2. Average fields for the 2015 heat wave: (a) anomalies of SLP; (b) anomalies of HGT700 mb; (c) wind at 700 hPa level.

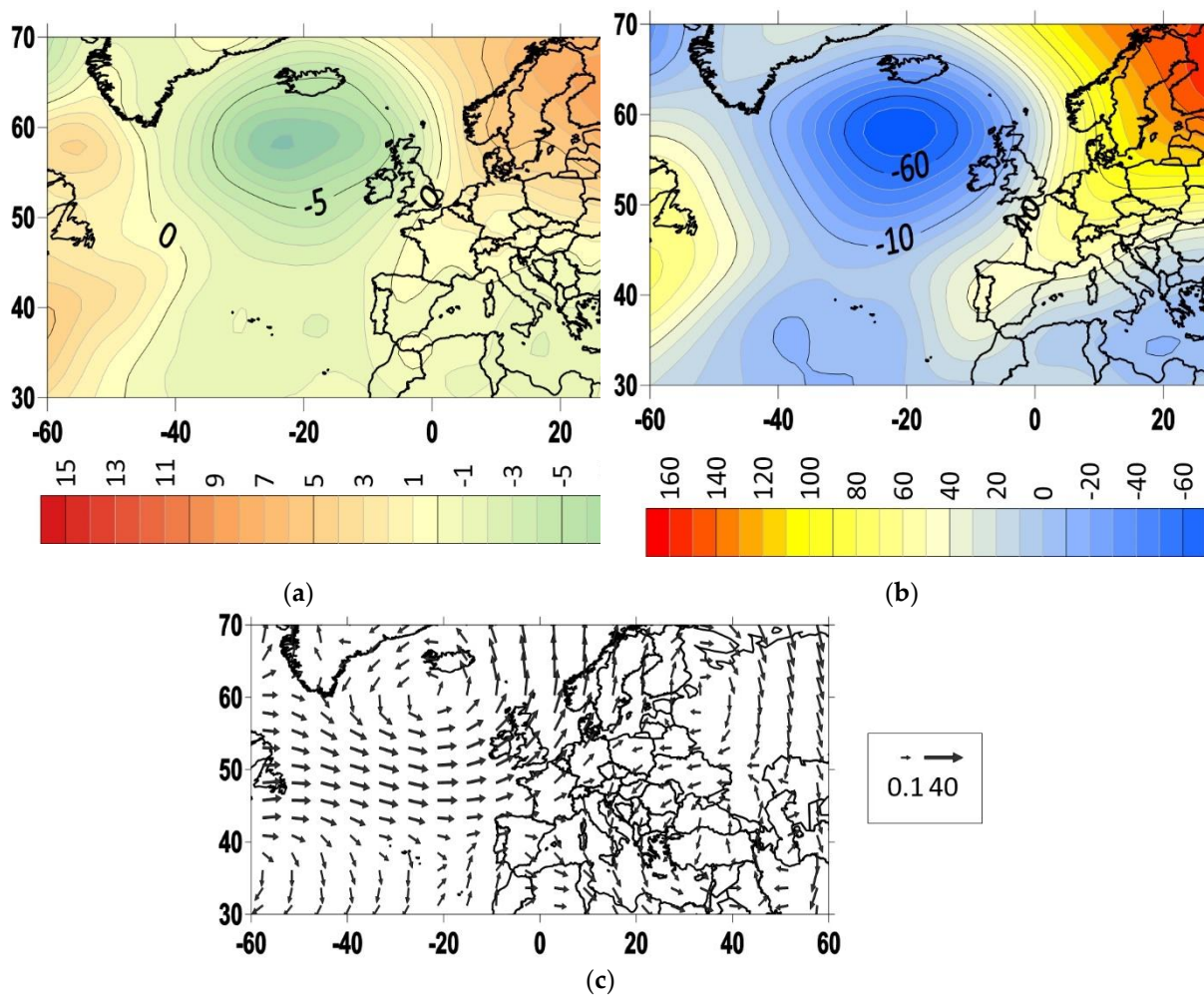


Figure S3. Average fields for the 2018 heat wave: (a) anomalies of SLP; (b) anomalies of HGT700 mb; (c) wind at 700 hPa level.

Group B

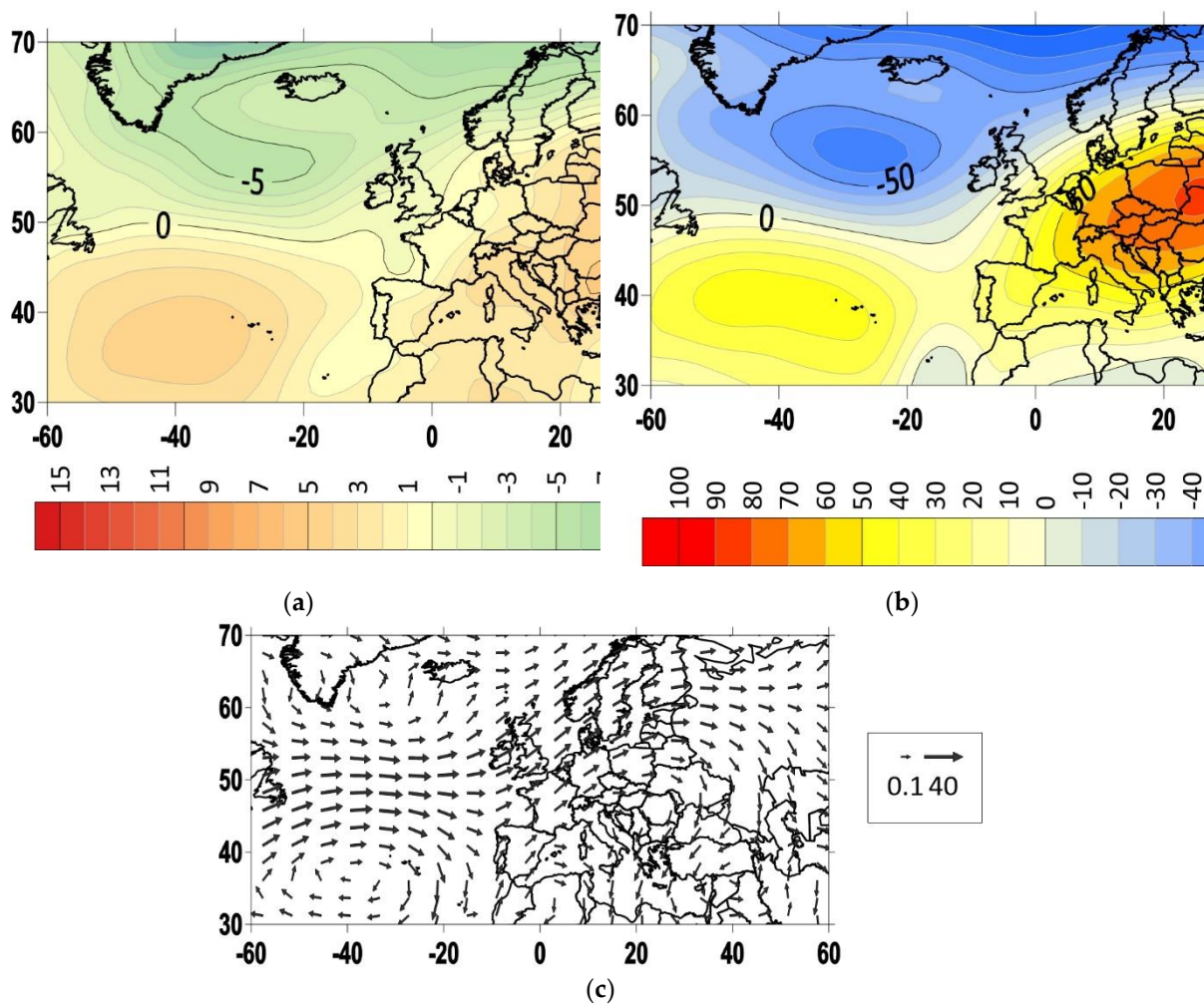
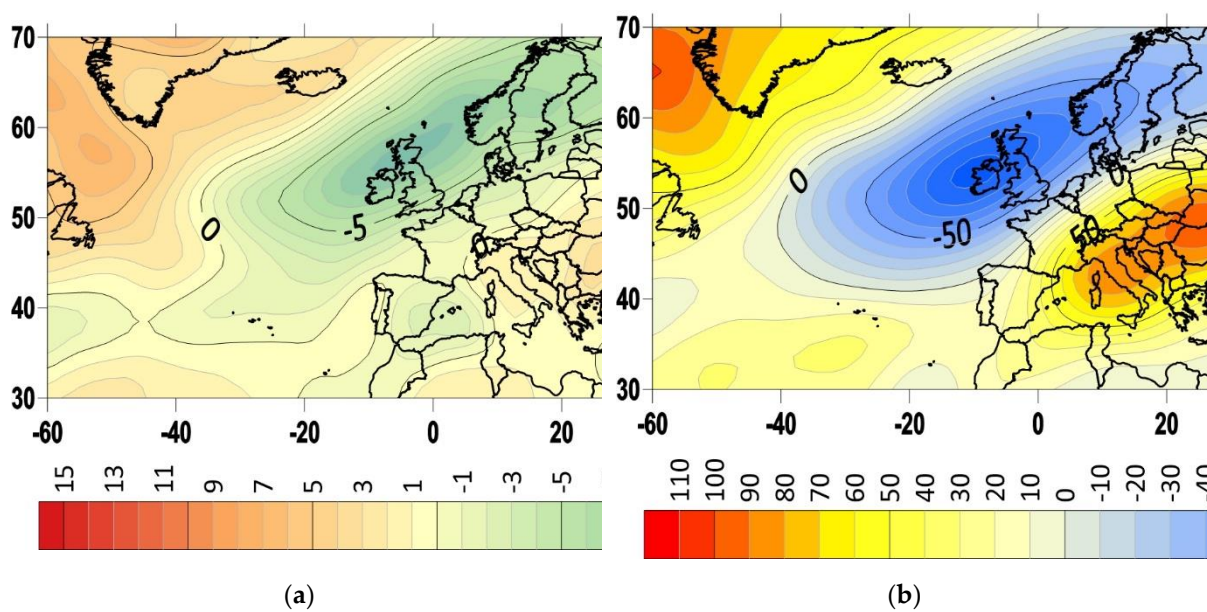


Figure S4. Average fields for the 1992 heat wave: (a) anomalies of SLP; (b) anomalies of HGT700 mb; (c) wind at 700 hPa level.



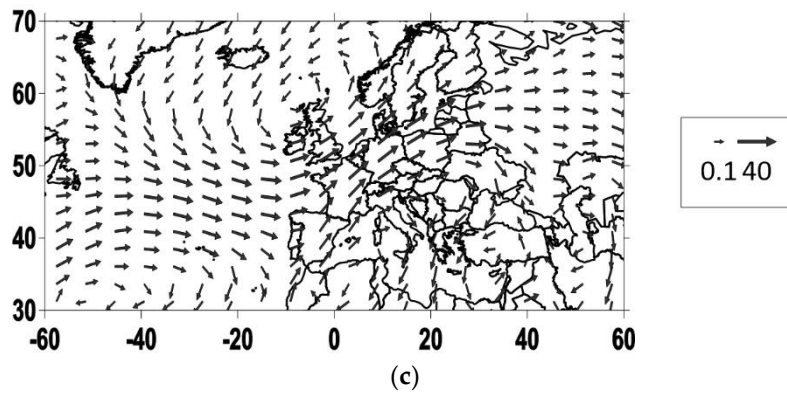


Figure S5. Average fields for the 2017 heat wave: (a) anomalies of SLP; (b) anomalies of HGT700 mb; (c) wind at 700 hPa level.

Group C

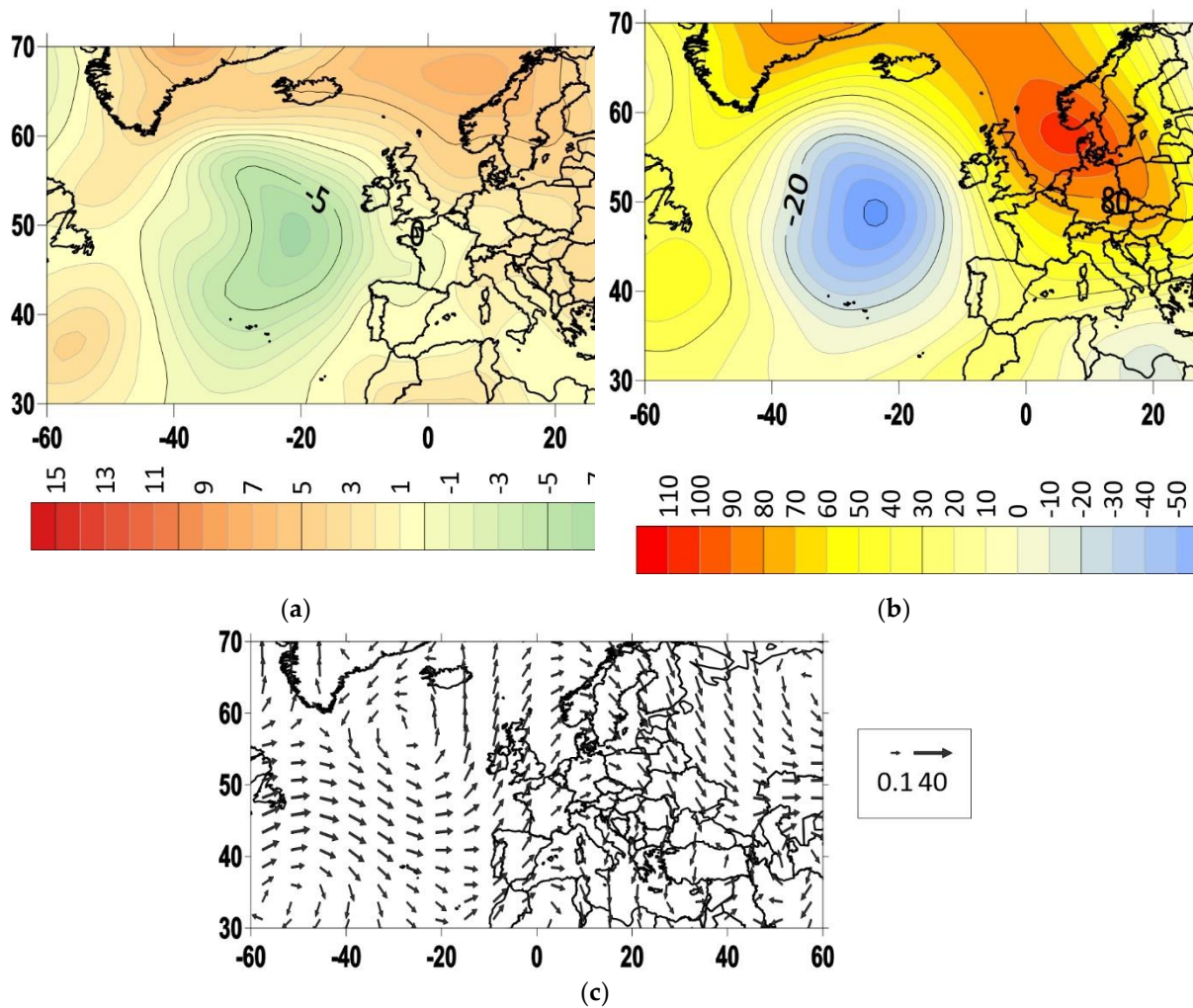


Figure S6. Average fields for the 2006b heat wave: (a) anomalies of SLP; (b) anomalies of HGT700 mb; (c) wind at 700 hPa level.

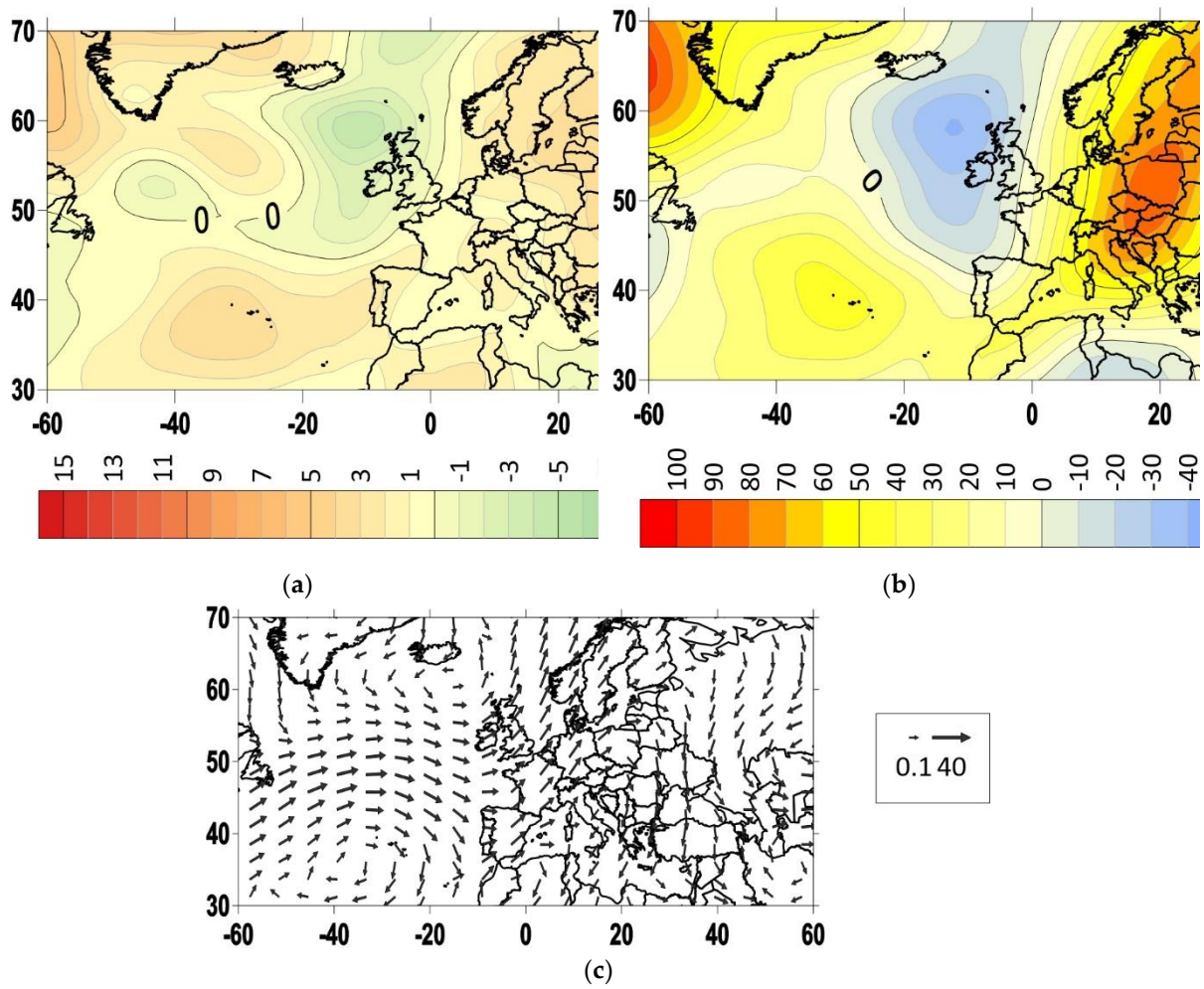


Figure S7. Average fields for the 2013 heat wave: (a) anomalies of SLP; (b) anomalies of HGT700 mb; (c) wind at 700 hPa level.