

# **Supplemental Material to“ Global risk from the atmospheric dispersion of radionuclides by nuclear power plant accidents in the coming decades”**

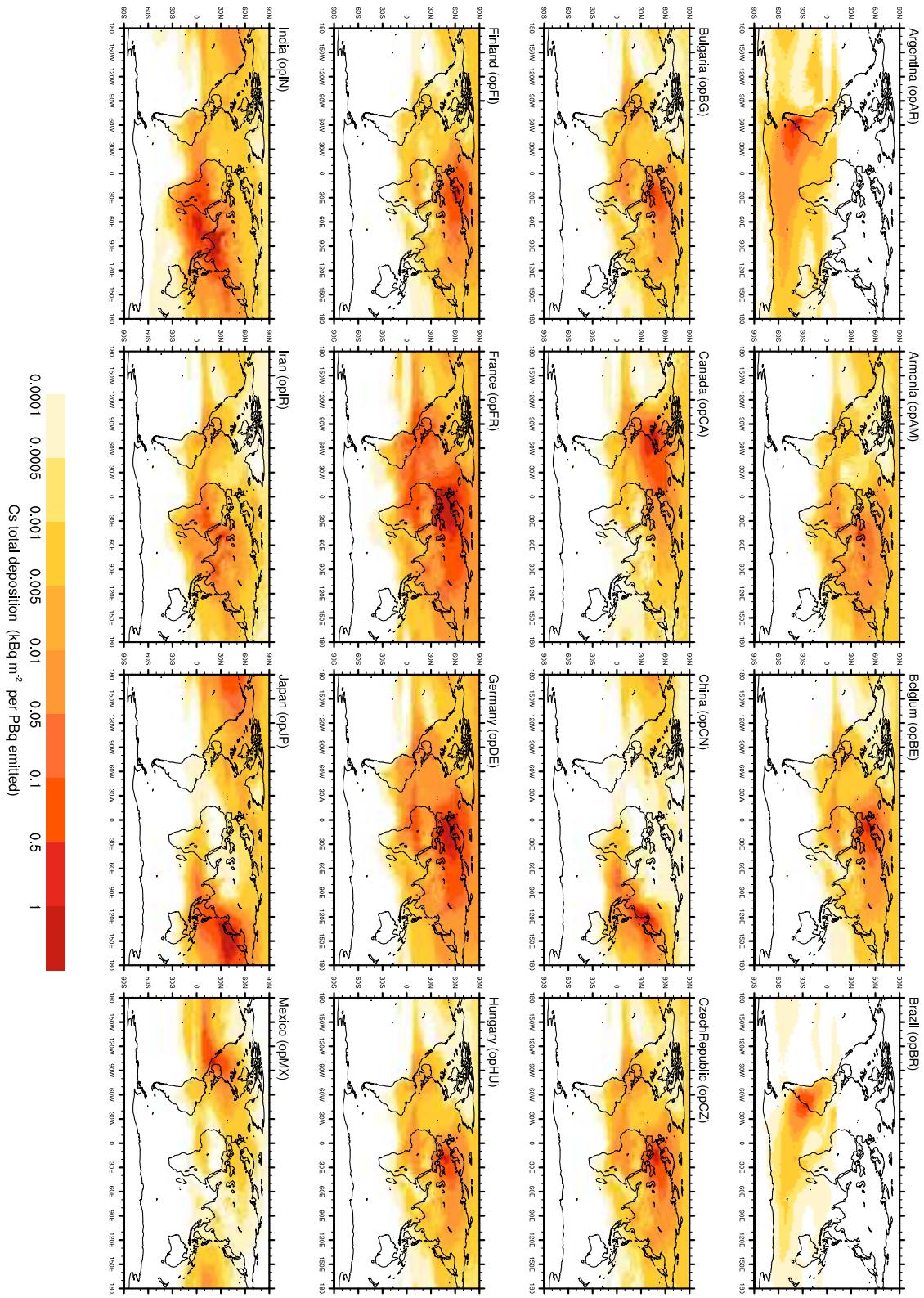
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<sup>1</sup>The Cyprus Institute, Nicosia, Cyprus

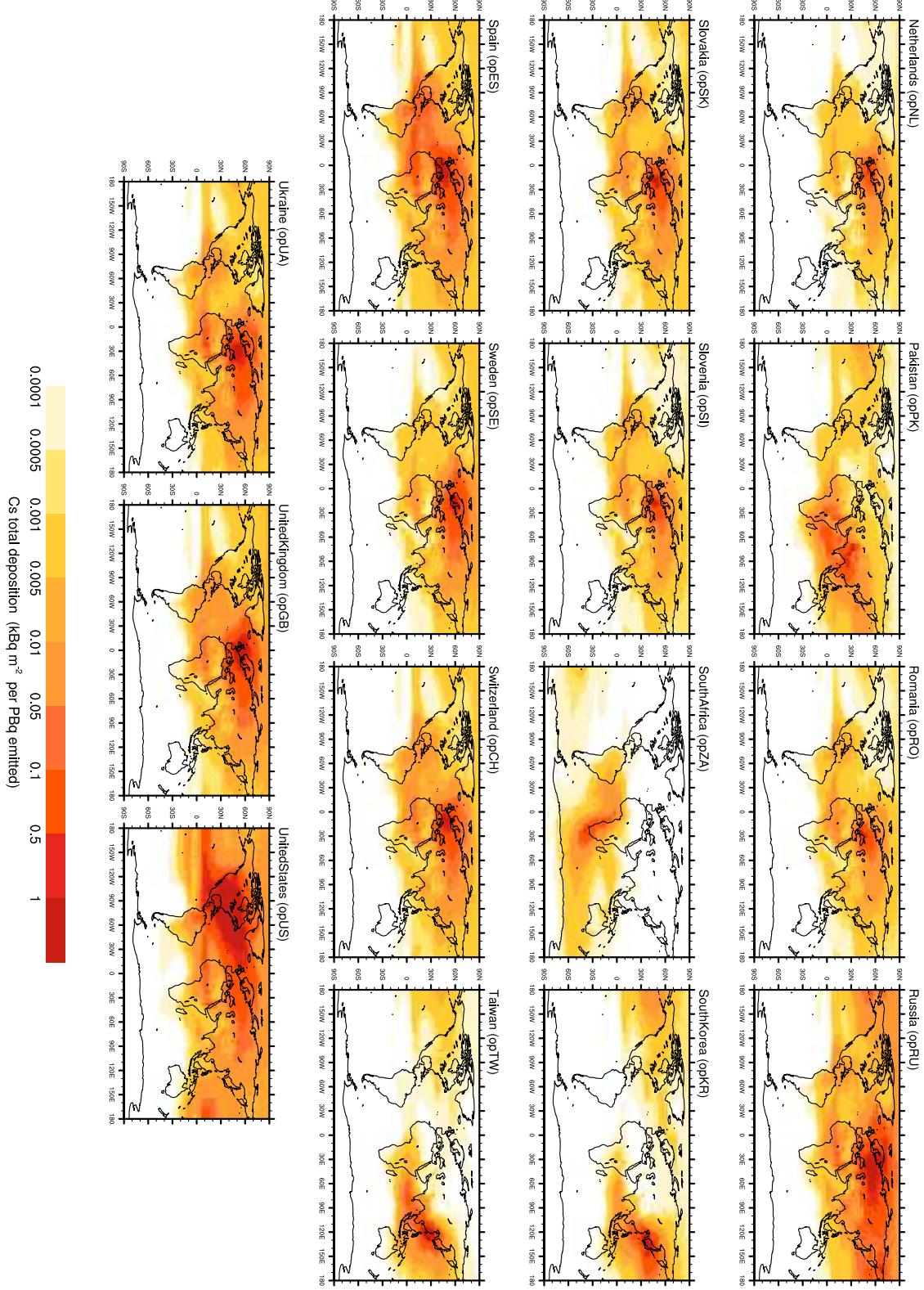
<sup>2</sup>Max Planck Institute of Chemistry, Mainz, Germany

## **1 Cs Deposition Doses**

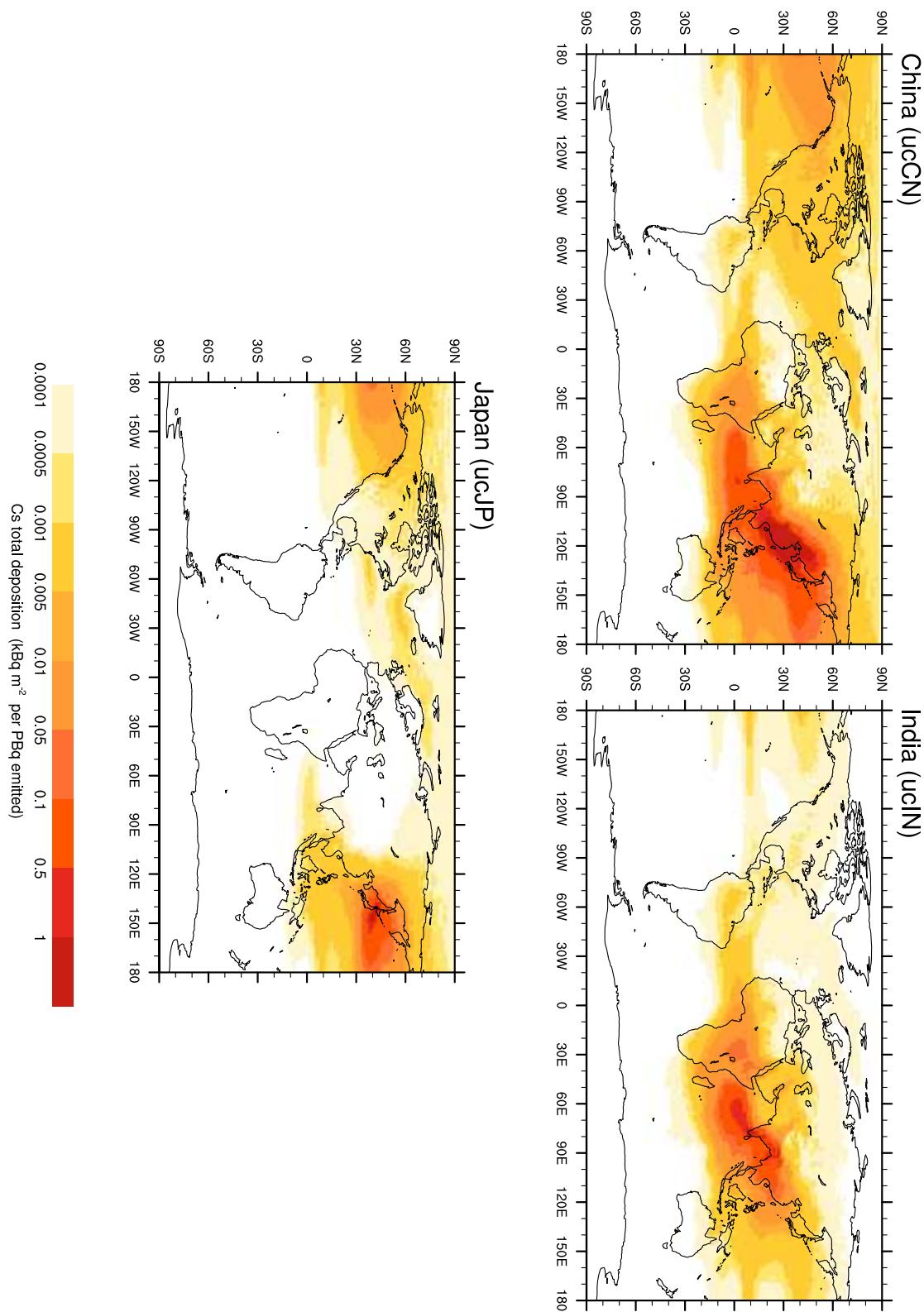
## **2 Iodine Concentrations**



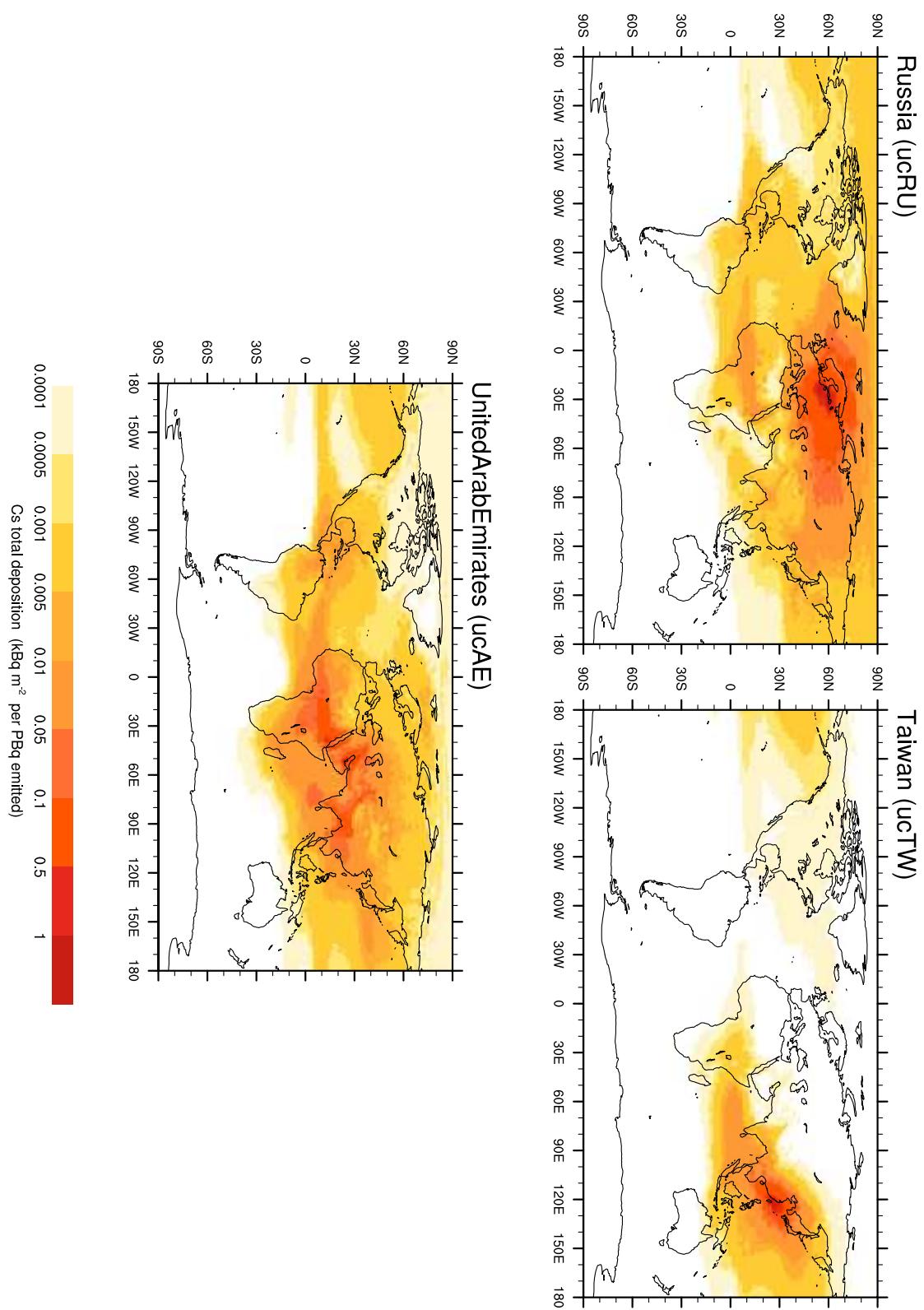
**Fig. 1.** Global deposition of aerosol  $^{137}\text{Cs}$  per country for operational nuclear power plants assuming unit PBq emitted per station.



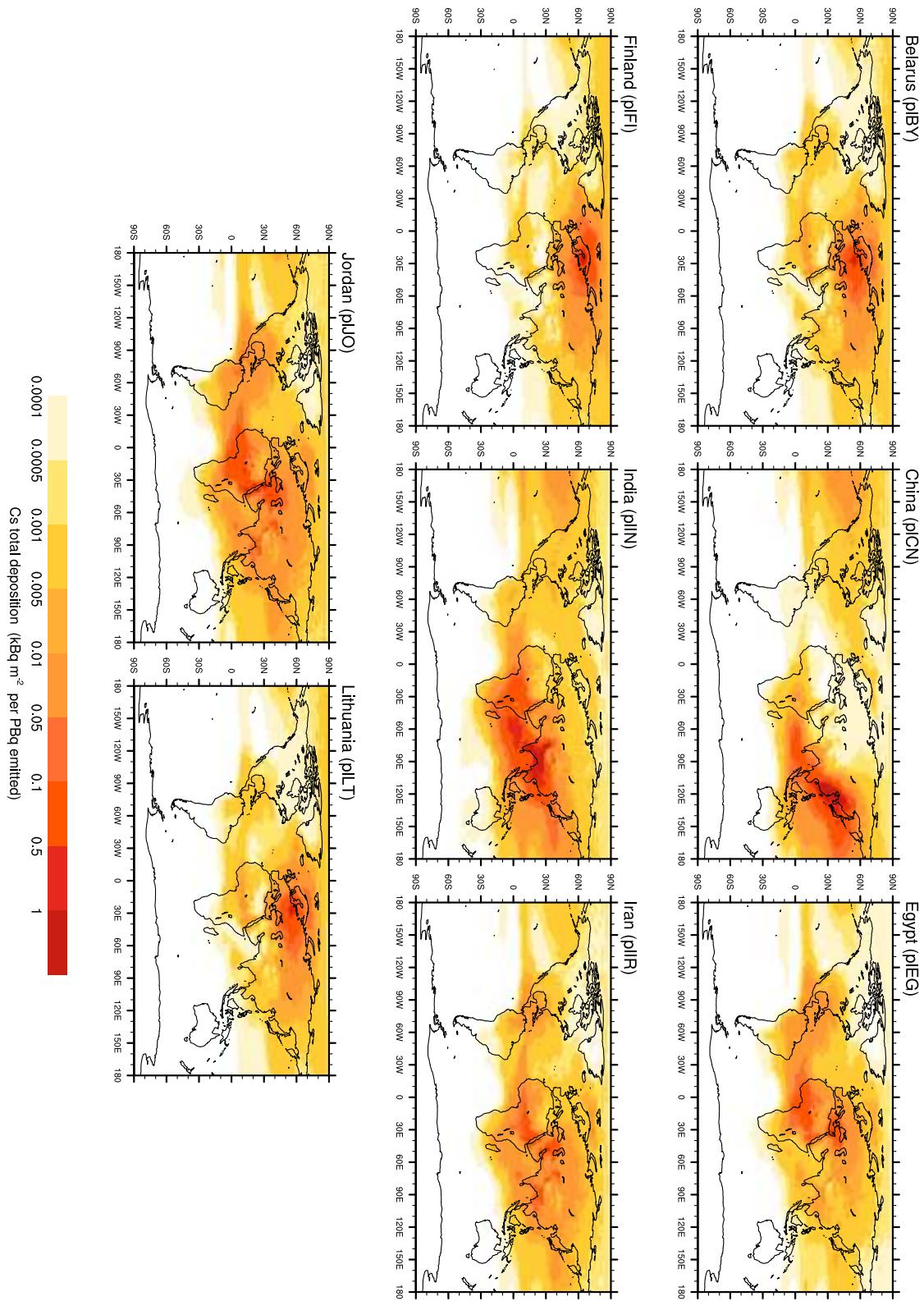
**Fig. 2.** Global deposition of aerosol  $^{137}\text{Cs}$  per country for operational nuclear power plants assuming unit PBq emitted per station.



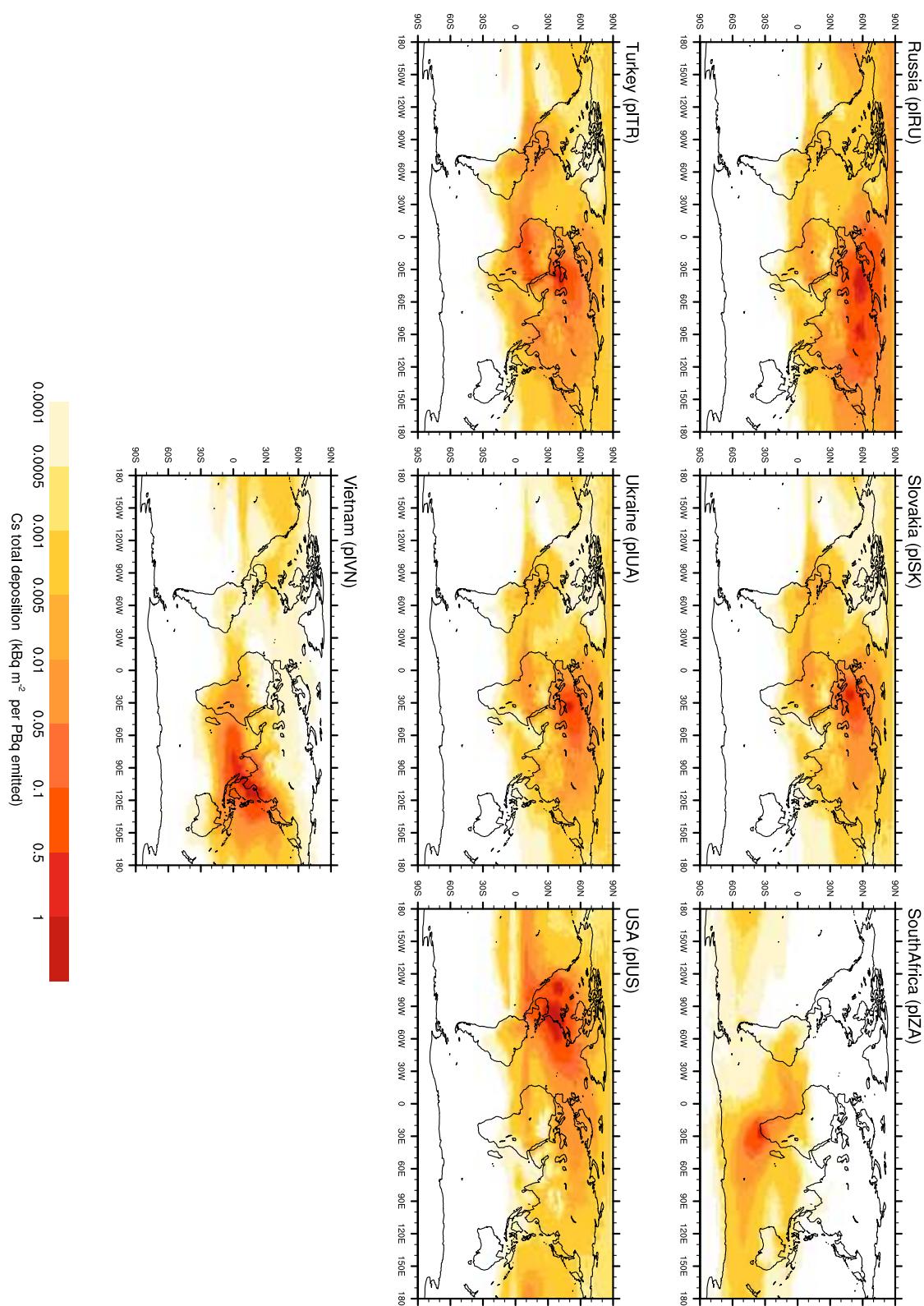
**Fig. 3.** Global deposition of aerosol  $^{137}\text{Cs}$  per country for nuclear power plants under construction assuming unit PBq emitted per station.



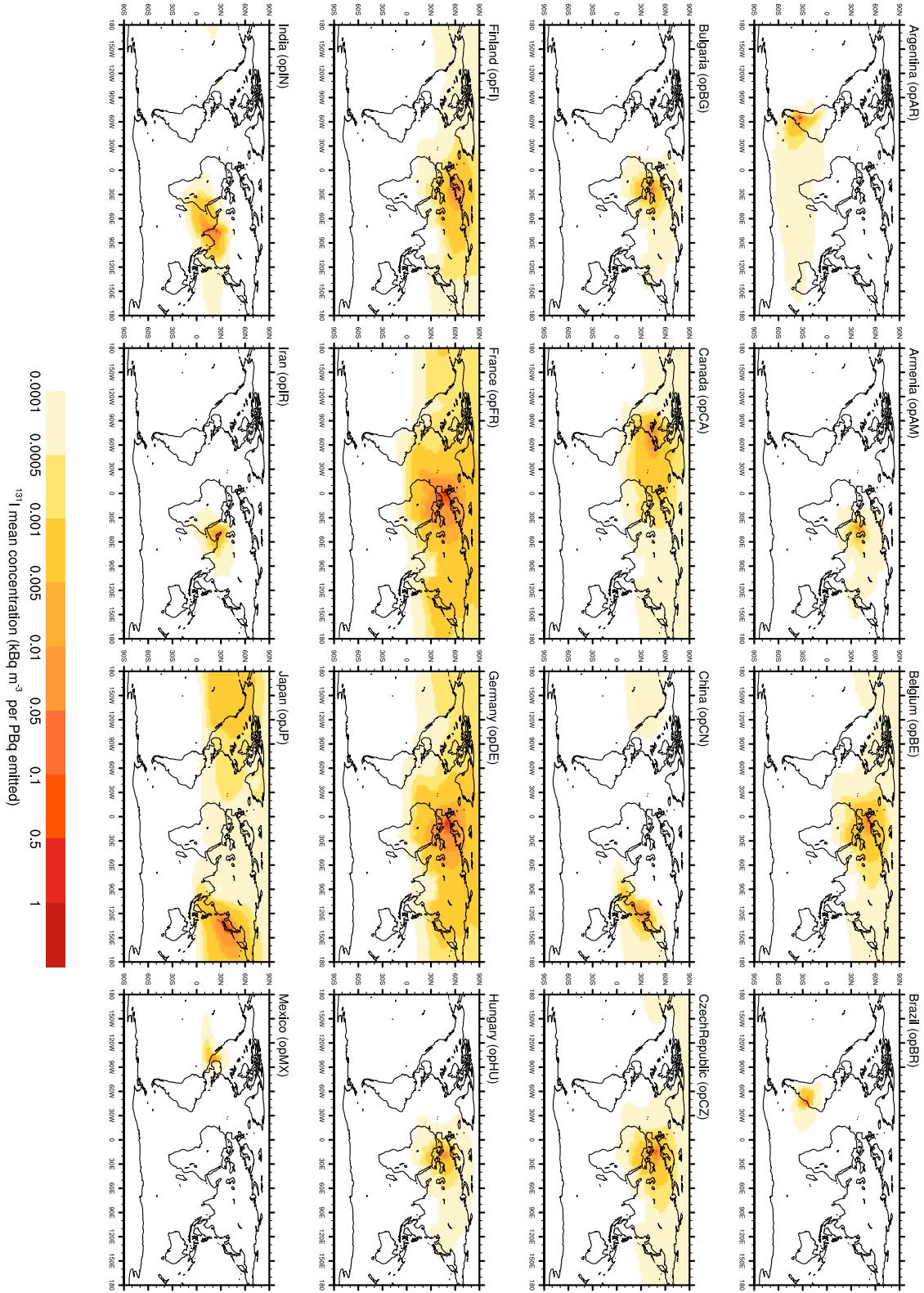
**Fig. 4.** Global deposition of aerosol  $^{137}\text{Cs}$  per country for nuclear power plants under construction assuming unit PBq emitted per station.



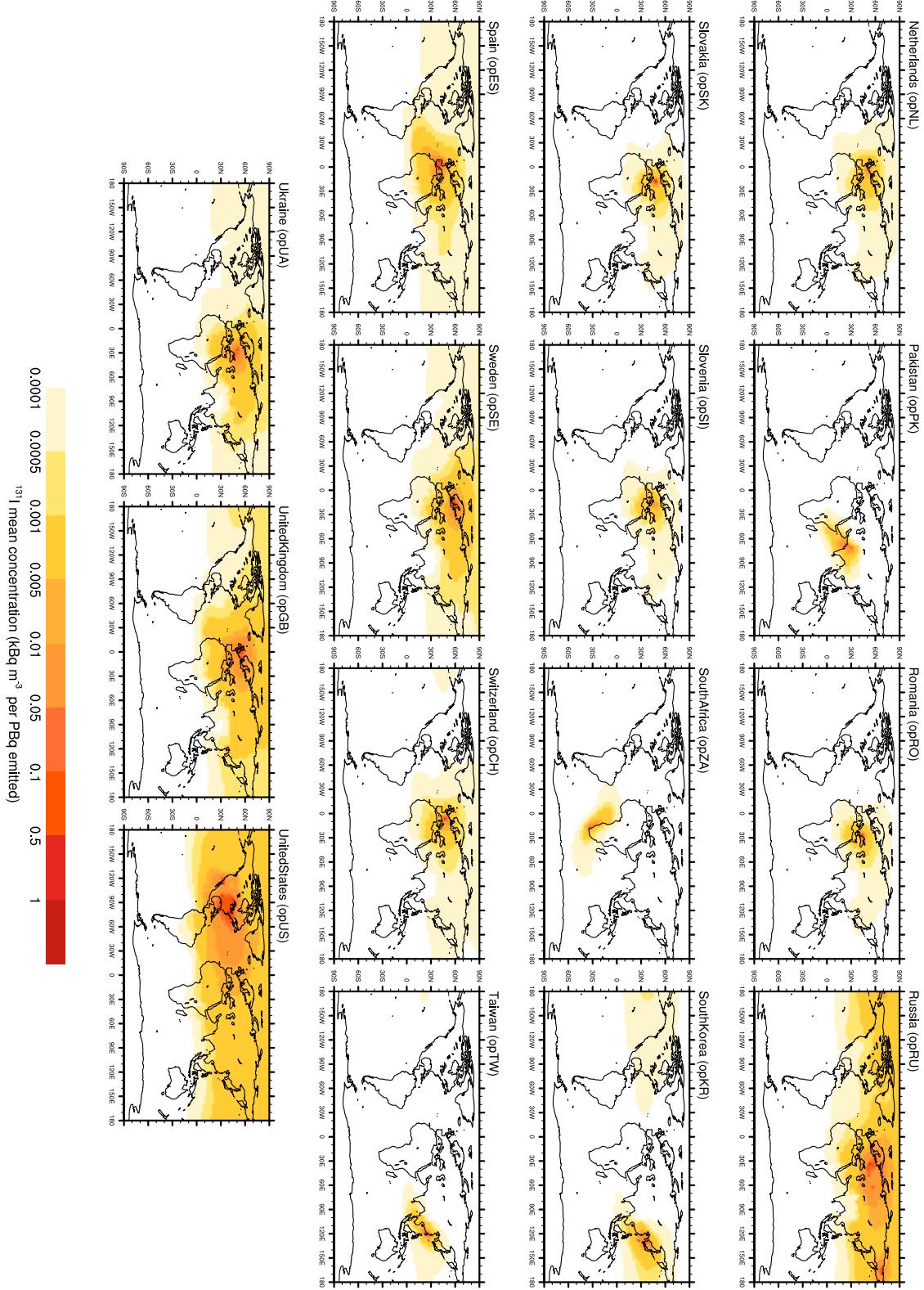
**Fig. 5.** Global deposition of aerosol  $^{137}\text{Cs}$  per country for planned or proposed nuclear power plants assuming unit PBq emmited per station.



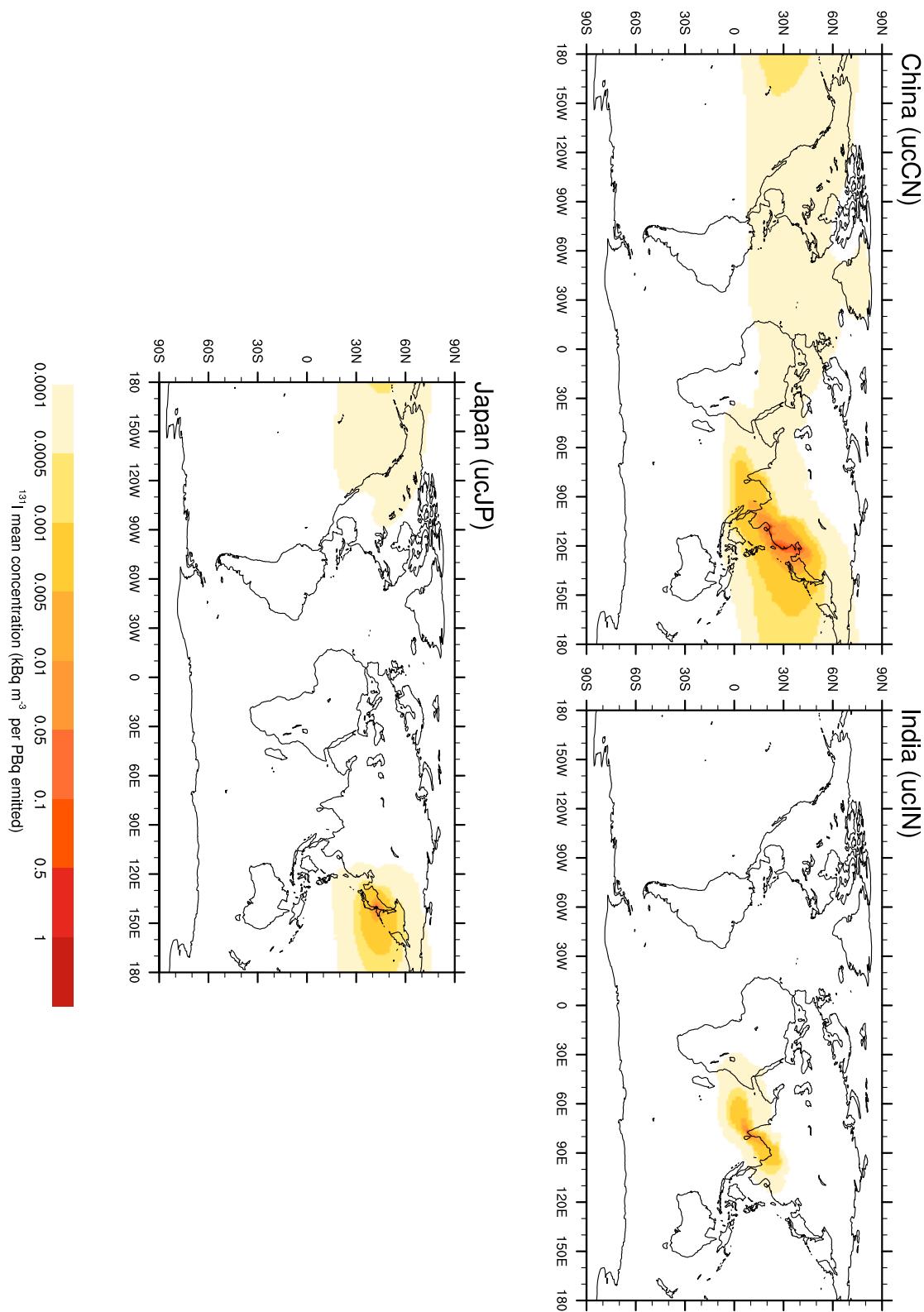
**Fig. 6.** Global deposition of aerosol  $^{137}\text{Cs}$  per country for planned or proposed nuclear power plants assuming unit PBq emmited per station.



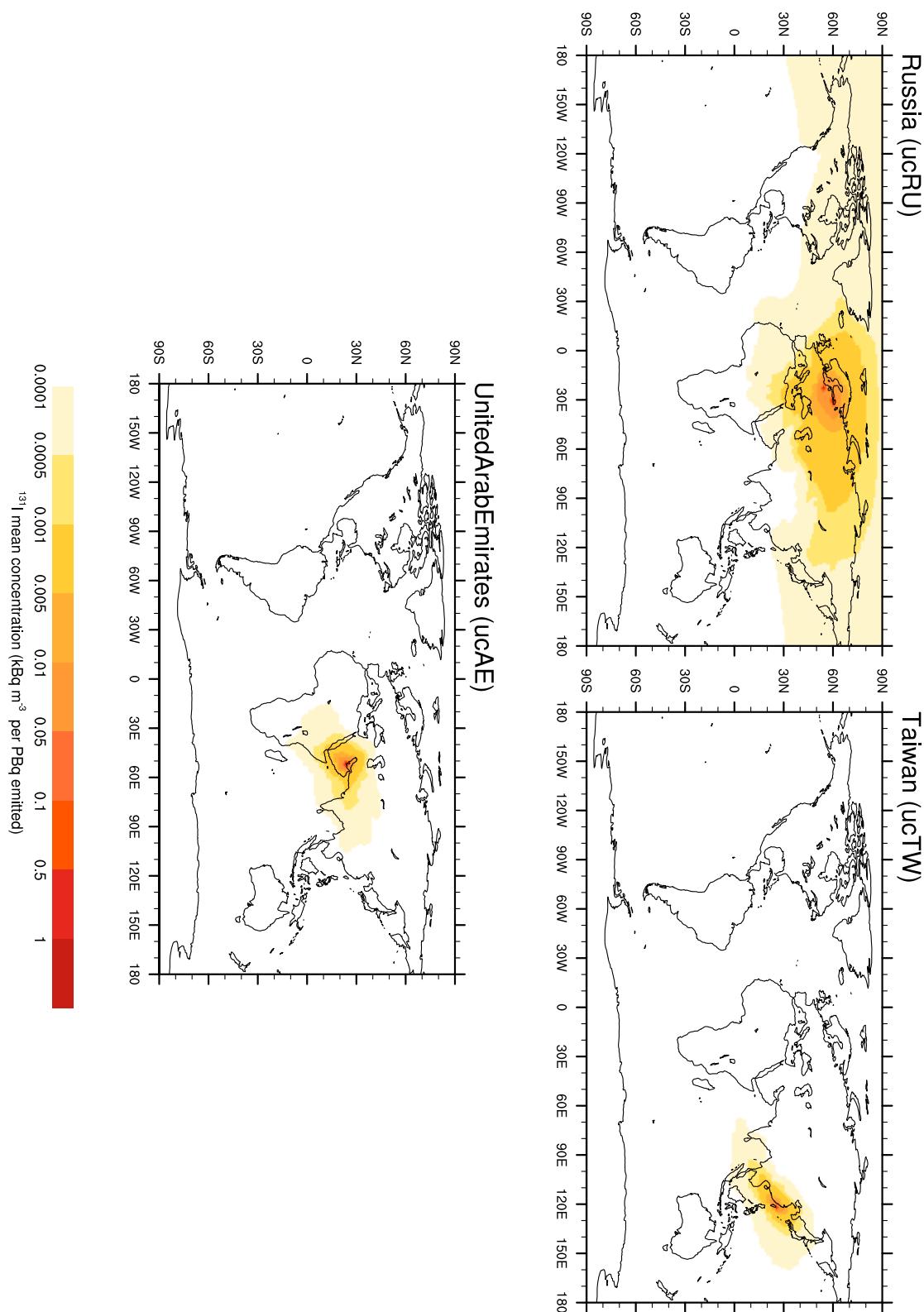
**Fig. 7.** Mean climatological concentration of gaseous  $^{131}\text{I}$  per country for operational nuclear power plants assuming unit PBq atmospheric load.



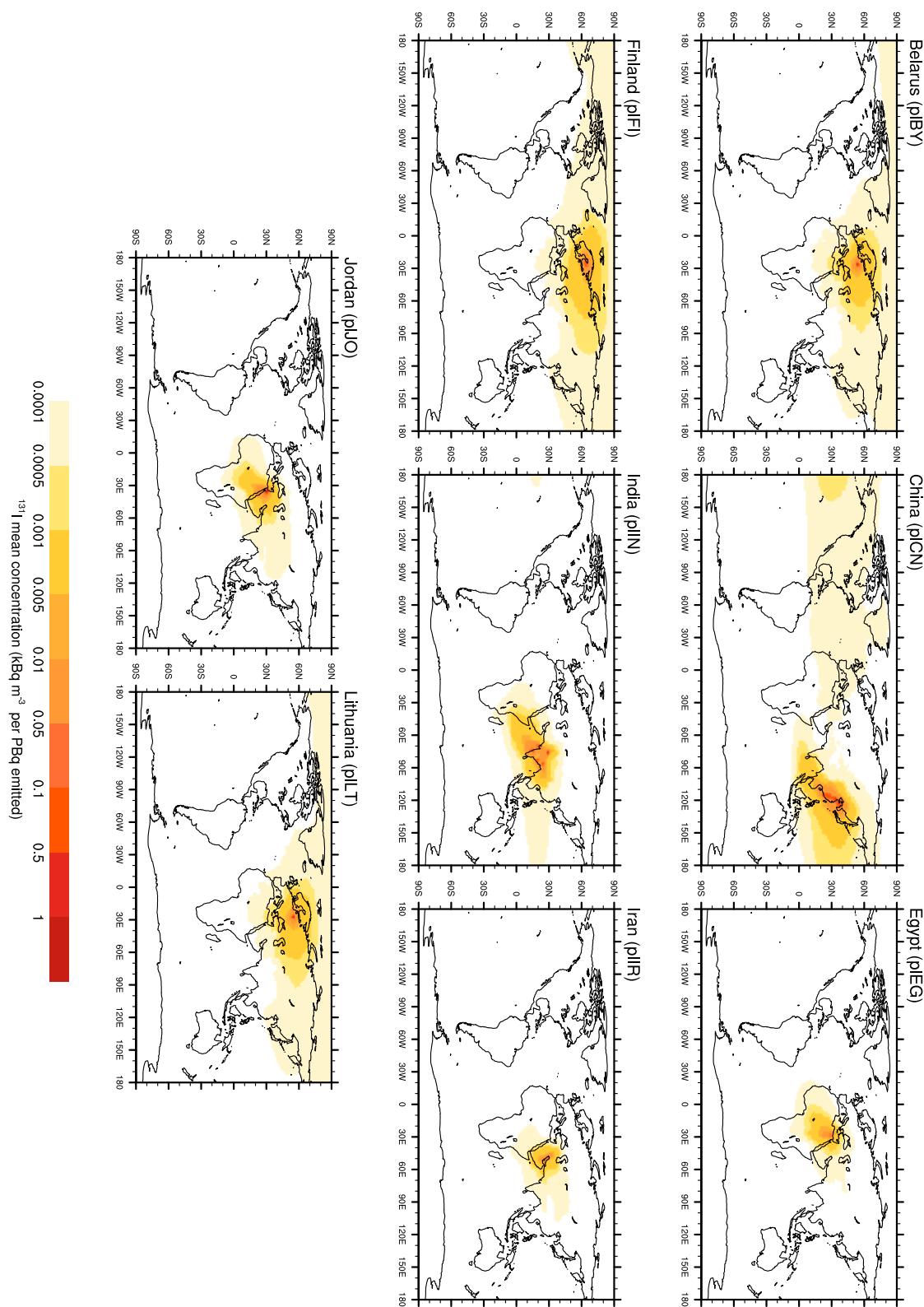
**Fig. 8.** Mean climatological concentration of gaseous  $^{131}\text{I}$  per country for operational nuclear power plants assuming unit PBq atmospheric load.



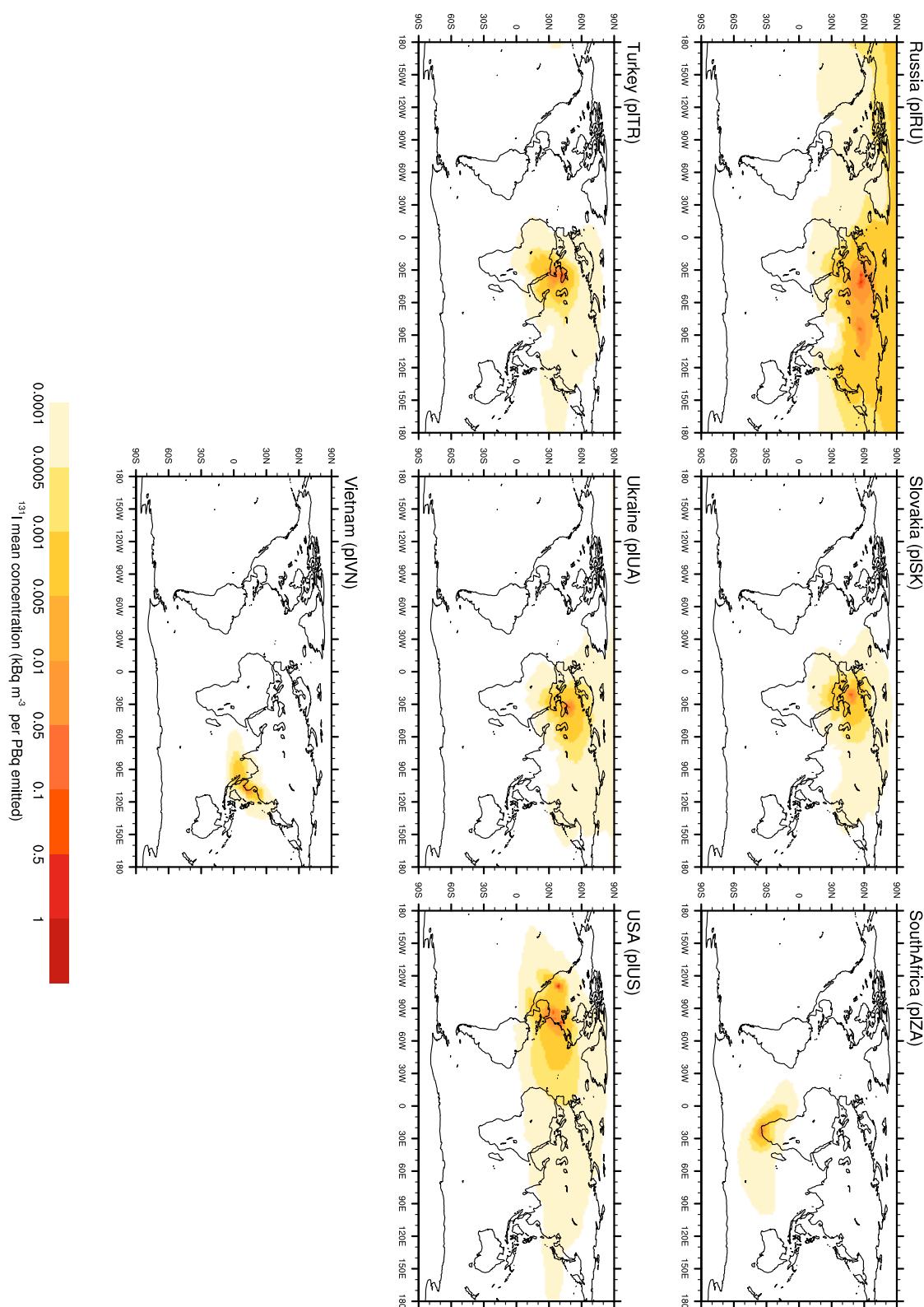
**Fig. 9.** Mean climatological concentration of gaseous  $^{131}\text{I}$  per country for nuclear power plants under construction assuming unit PBq atmospheric load.



**Fig. 10.** Mean climatological concentration of gaseous  $^{131}\text{I}$  per country for nuclear power plants under construction assuming unit PBq atmospheric load.



**Fig. 11.** Mean climatological concentration of gaseous  $^{131}\text{I}$  per country for planned or proposed nuclear power plants assuming unit PBq atmospheric load.



**Fig. 12.** Mean climatological concentration of gaseous  $^{131}\text{I}$  per country for planned or proposed nuclear power plants assuming unit PBq atmospheric load.