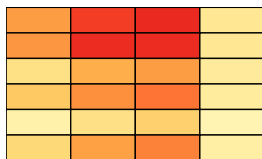
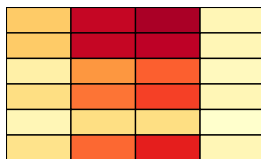


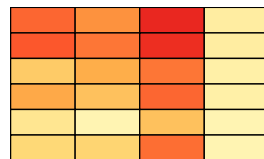
overall



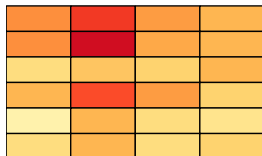
Europe:France



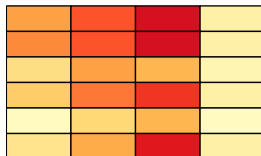
Europe:Germany



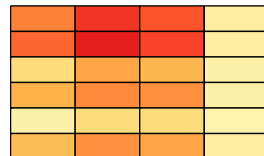
Europe:Italy



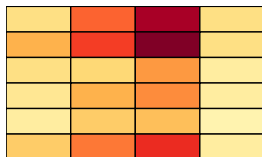
Europe:UK



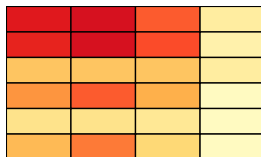
Europe:others



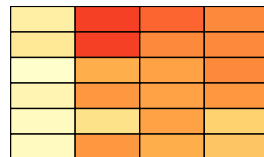
Japan



Russia



USA



Q17*:MPI Aspects

Point-to-point	0	0.41	0.83	1.2
Collectives	1.7	2.1	2.5	2.9
Communicator	3.3	3.7	4.1	4.5
Datatypes	5	5.4	5.8	6.2
One-sided	6.6	7	7.4	7.9
with OpenMP	8.3	8.7	9.1	9.5

3

4

5

High

Q3:MPI Skill