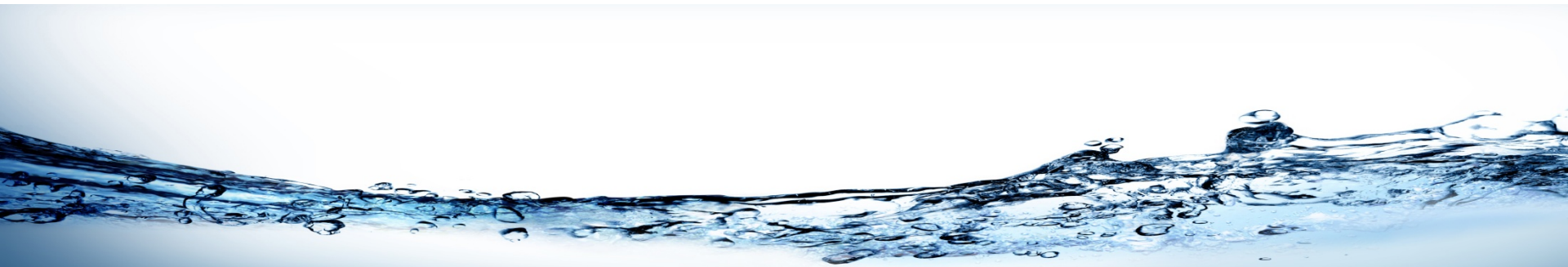


Water consumption

- We applied the preliminary Method **AWARE** to the case study results
- Water consumption almost only occurs in rice production (irrigation)
 - Only withdrawals reported
 - consumption modeled based on emission to air
- Other areas neglected, since producer countries have already high CF
 - Other water uses not relevant (irrigation >99.5%)

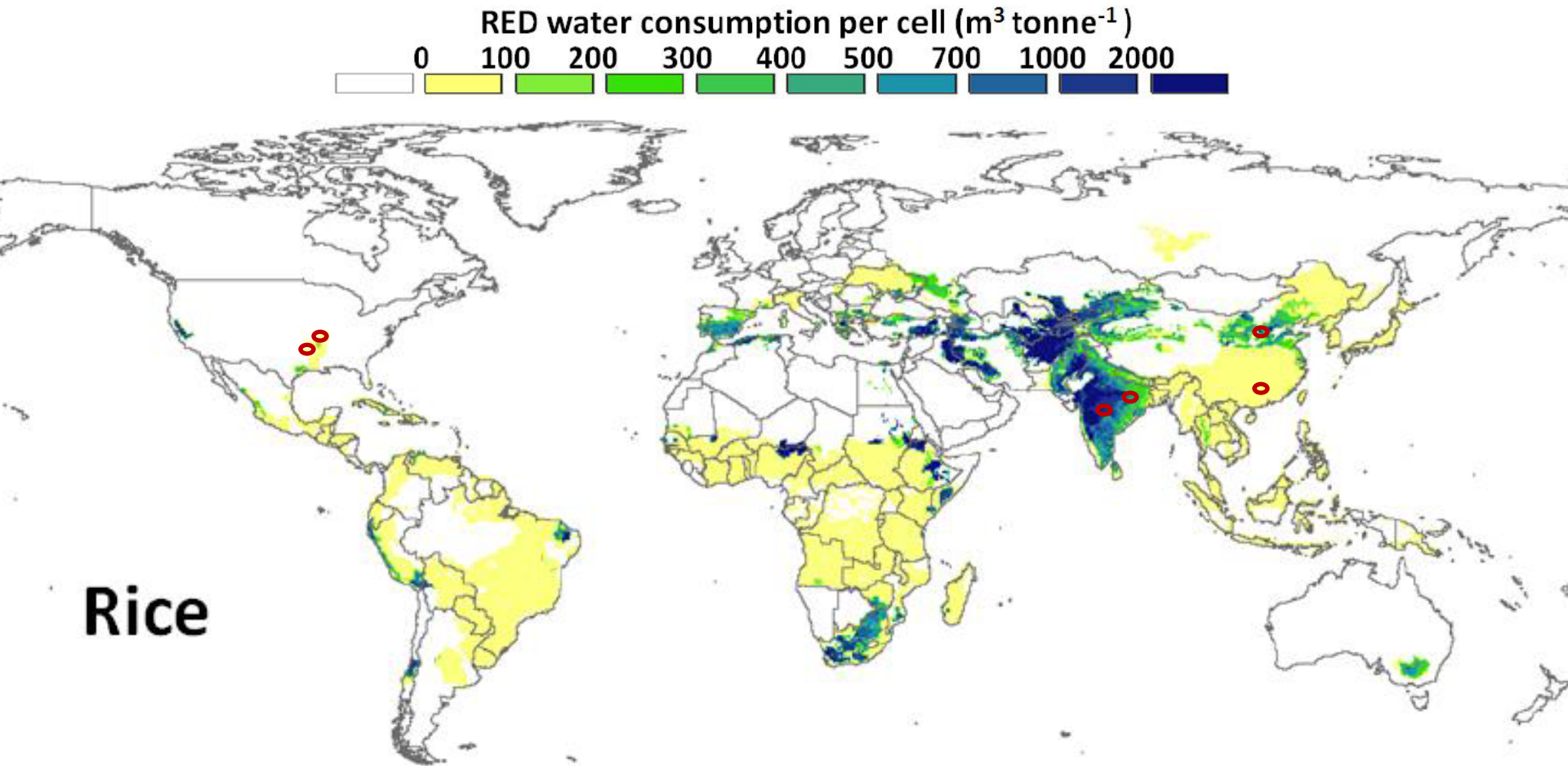


Case study results

Results in m³ water consumption / equivalents for 1 kg white rice cooked

	consumption	CF AWARE	CF DTA_x	Impact AWARE	Impact DTA_x
India	0.78	30	3.1	23	2.4
China	0.46	45	3.4	21	1.6
US_Europe	0.08	36	3.9	2.9	0.31

Analyze different watersheds



Regional case study results

Results in m3 water consumption / equivalents for 1 kg white rice cooked

	Consumption	CF AWARE	CF DTA_x	Impact AWARE	Impact DTA_x
Arkansas_S	0.08	0.15	0.21	0.01	0.02
Arkansas_N	0.08	2.66	0.74	0.21	0.06
USA	0.08	36.5	3.9	2.87	0.31
Yellow	0.46	90.58	1.49	41.50	0.68
Southern	0.46	0.49	0.34	0.22	0.16
China_AVG	0.46	45.5	3.4	20.83	1.56
Ganges	0.78	13.82	0.71	10.74	0.55
Central	0.78	2.22	0.63	1.72	0.49
India_AVG	0.78	29.9	3.1	23.21	2.41



Conclusions

- No big differences based on country averages.
 - Analyzed spatial variability
 - More relevant among watersheds within countries
- All countries have similar CF -> mainly irrigation water
 - Within country orders of magnitude differences

