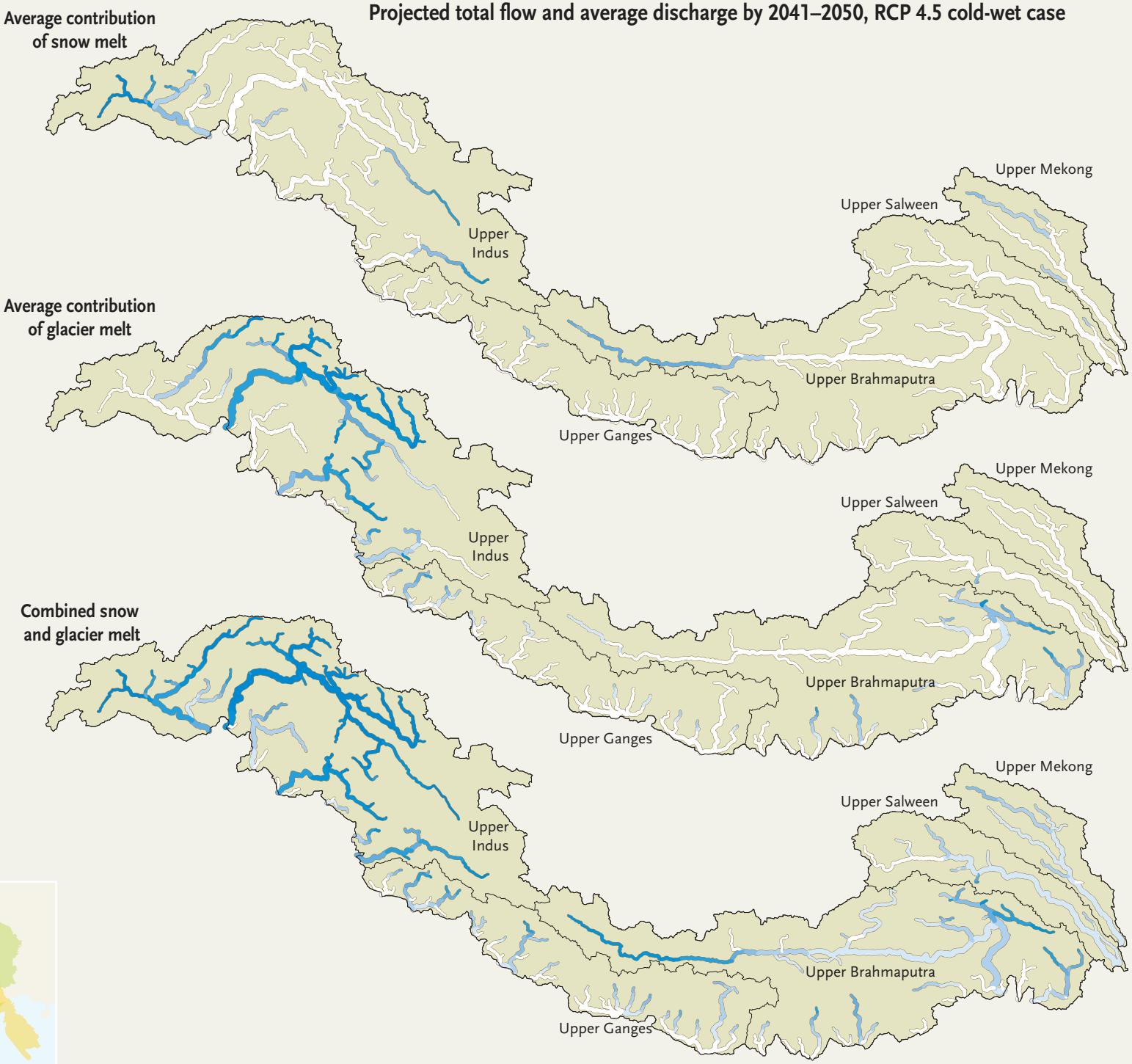
Future contribution of snow and glacier melt to river flow

Projected total flow and average discharge by 2041–2050, RCP 4.5 cold-wet case

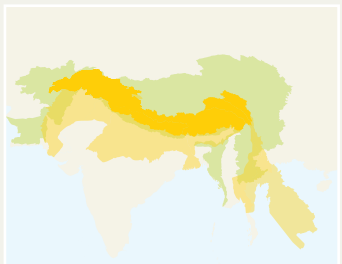


Contribution to total flow
Percentage

- More than 80
- 70 to 80
- 60 to 70
- 50 to 60
- 40 to 50
- 30 to 40
- 20 to 30
- 10 to 20
- Less than 10

Average discharge
Cubic metres per second

- Less than 100
- 100 to 175
- 175 to 275
- 275 to 400
- 400 to 600
- 600 to 900
- 900 to 1 350
- 1 350 to 1 950
- 1 950 to 2 800
- 2 800 to 4 000
- More than 4 000



Note: HI-SPHY model forced with RCP 4.5 CCSM4-r5i1p1 GCM (cold, wet) case

Source: Lutz, AF et al. (2014) 'Consistent increase in High Asia's runoff due to increasing glacier melt and precipitation.' *Nature Climate Change* 4: 587–592