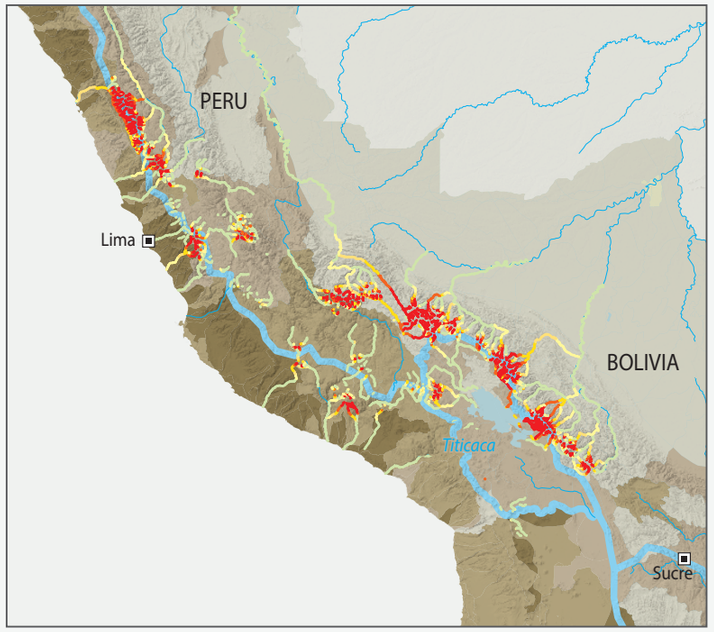
The impact of river basin water stress and glacier melt in the Andes



Maximum glacier melt contribution to river runoff
Percentage
- 10 or less
- 10 to 20
- 20 to 25
- 25 to 50
- More than 50





Main river basin that originates in the Andes

Overall water stress
- Low
- Low to medium
- Medium to high
- High
- Extreme

High severity in
- Drought
- Floods

Notes:
Overall water risk identifies areas with higher exposure to water-related risks and is an aggregated measure of selected indicators such as water stress, seasonal variability, groundwater withdrawal etc...

Flood severity is defined by the number of floods recorded during the period 1985-2011

Drought severity is defined as the average drought duration multiplied by the drought intensity (for the period 1901-2008).

Drought duration is defined as a continuous period, measured in months, when soil moisture remains below the 20th percentile. Drought intensity is measured as the number of soil moisture percentage points below the 20th percentile.

Source: WRI Aqueduct, accessed online on May 2018; Buytaert, W., et al., Glacier melt contribution to water resources in the Andes.

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