The Destination Water Risk Index (DWRI) is a joint initiative of Greenview, the Sustainable Hospitality Alliance, STR, a CoStar Group Company and Ecolab.
Executive summary

Water scarcity is a pressing issue that has consistently ranked among the top ten global risks. Hospitality businesses should take this into account in their business strategies and operations as the potential for lack of water to impact negatively on them and their communities is high.

The Destination Water Risk Index was created to:

- help the hotel industry understand the water-related risks where they are located
- incorporate water-related risks into their strategies to grow sustainably, responsibly and intelligently.

The Destination Water Risk Index (2nd edition) has highlighted:

- 90% of Middle East and Africa destinations assessed have very high / high risk
- 33% of Asia Pacific destinations assessed have very high / high risk
- 4% of Europe destinations assessed have very high / high risk
- 2% of Americas destinations assessed have very high / high risk

Asia Pacific contains all four very high risk destinations:
- Delhi (India)
- Xian (China)
- Qingdao (China)
- Maldives (Maldives)

13% of all destinations assessed have very high / high water risk

Destination Water Risk Index, 2nd Edition, Executive summary
A total of 379 destinations across 63 countries are included in this edition. The heat maps below show the total risk score (index) by region for all destinations in the data set.

**Americas (233 destinations)**

**Asia Pacific (75 destinations)**

**Europe (52 destinations)**

**Middle East & Africa (19 destinations)**

<table>
<thead>
<tr>
<th>Colour code</th>
<th>Risk index</th>
<th>DWRI score threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>1 – Very low</td>
<td>&lt;16.8</td>
</tr>
<tr>
<td>Green</td>
<td>2 – Low</td>
<td>&gt;16.8 and &lt;23.6</td>
</tr>
<tr>
<td>Orange</td>
<td>3 – Moderate</td>
<td>&gt;23.6 and &lt;30.4</td>
</tr>
<tr>
<td>Yellow</td>
<td>4 – High</td>
<td>&gt;30.4 and &lt;37.2</td>
</tr>
<tr>
<td>Red</td>
<td>5 – Very high</td>
<td>&gt;37.2</td>
</tr>
</tbody>
</table>
Risk by region and risk type

The following graphs show the distribution of the risk index from for each risk type within the respective regions.

**Americas (233 destinations)**

- **Physical Risk**
  - Very Low: 41%
  - Low: 40%
  - Moderate: 15%
  - High: 3%
  - Very High: 1%

- **Financial Risk**
  - Very Low: 21%
  - Low: 53%
  - Moderate: 9%
  - High: 13%
  - Very High: 2%

- **Market Risk**
  - Very Low: 31%
  - Low: 34%
  - Moderate: 29%
  - High: 5%
  - Very High: 4%

**Asia Pacific (75 destinations)**

- **Physical Risk**
  - Very Low: 24%
  - Low: 25%
  - Moderate: 35%
  - High: 12%
  - Very High: 4%

- **Financial Risk**
  - Very Low: 2%
  - Low: 44%
  - Moderate: 44%
  - High: 19%
  - Very High: 35%

- **Market Risk**
  - Very Low: 9%
  - Low: 20%
  - Moderate: 20%
  - High: 35%
  - Very High: 36%

**Europe (52 destinations)**

- **Physical Risk**
  - Very Low: 52%
  - Low: 33%
  - Moderate: 13%
  - High: 1%
  - Very High: 1%

- **Financial Risk**
  - Very Low: 46%
  - Low: 37%
  - Moderate: 6%
  - High: 10%
  - Very High: 4%

- **Market Risk**
  - Very Low: 4%
  - Low: 17%
  - Moderate: 58%
  - High: 19%
  - Very High: 1%

**Middle East & Africa (19 destinations)**

- **Physical Risk**
  - Very Low: 11%
  - Low: 42%
  - Moderate: 47%
  - High: 95%
  - Very High: 5%

- **Financial Risk**
  - Very Low: 5%
  - Low: 42%
  - Moderate: 21%
  - High: 32%
  - Very High: 95%

- **Market Risk**
  - Very Low: 5%
  - Low: 42%
  - Moderate: 21%
  - High: 32%
  - Very High: 95%

**Physical risk:** quantity of available water, whether too little or too much.

**Financial risk:** potential impact of water risk on revenue and operating costs.

**Market risk:** impact of tourism market conditions on water risks.

Visit [www.sustainablehospitalityalliance.org/dwri](http://www.sustainablehospitalityalliance.org/dwri) for the full report

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