

CwC

Cold Subtropical Highland Climate

Location Examples:

- Tafí, Salta, Argentina
- Rio Colorado, Tucumán, Argentina
- Copacabana, Bolivia
- Deqen, Yunnan, China

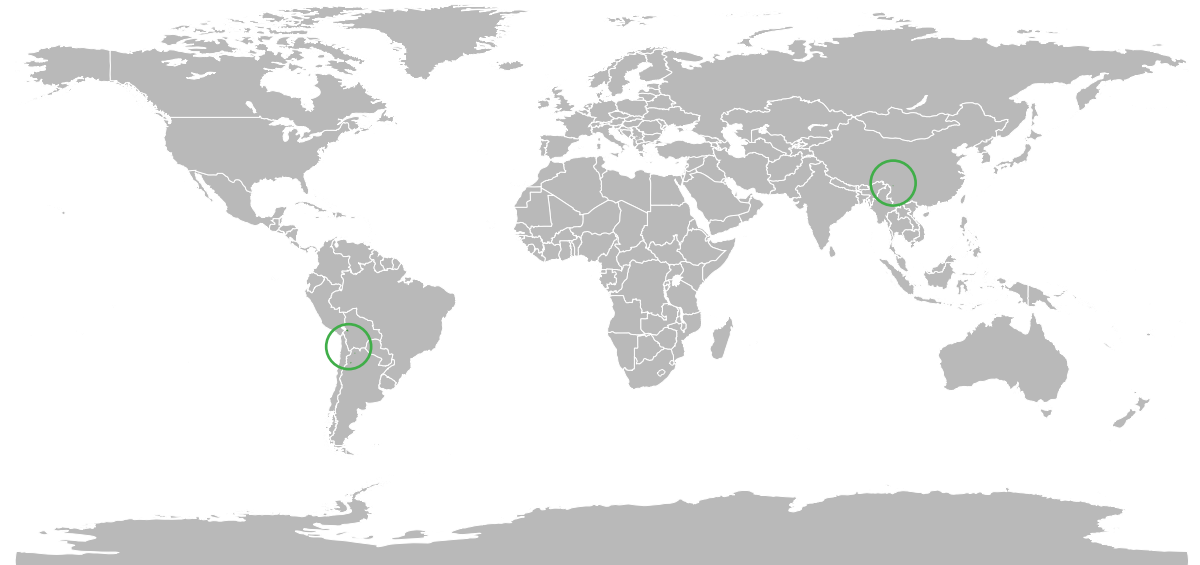
study
By Sheng Yan

Cold subtropical highland climate or Monsoon-influenced subpolar oceanic climate; coldest month averaging above 0 °C (32 °F) (or -3 °C (27 °F)) and 1–3 months averaging above 10 °C (50 °F). At least ten times as much rain in the wettest month of summer as in the driest month of winter (alternative definition is 70% or more of average annual precipitation is received in the warmest six months).

Cwc climate zones are relatively few and are mostly located close to the Northern and Southern tropics with high altitudes. Examples include the Bolivian coastline of Lake Titicaca, and Deqen Prefecture in Yunnan, China, both of which have elevations exceeding 10,000 Feet (3,000 meters)

Sources:

<https://wikipedia.org/>
<http://koeppen-geiger.vu-wien.ac.at/shifts.htm>
<https://cookingintongues.com/>



Boarding House for an Agricultural School

case study
By Sheng Yan

Location: Quillacollo, Bolivia



Architect: Technical University of Berlin / CODE Chair
Construction + Design - Ralf Pasel

Owner: N/A

Year of completion: 2017

Climate: Cold Subtropical Highland Climate (Koppen
Climate Classification: Cwc)

Material of interest: Red Brick Masonry

Application: Exterior and Interior

Properties of material: Bricks were selected as the primary material of choice for its ability to compensate daily fluctuation in temperature via thermal storage, as well as for its workability amongst both student and local builders.

Sources:

Architect Website: <https://www.code.tu-berlin.de/>
Web Magazine: <https://www.archdaily.com/888689/boarding-house-for-an-agricultural-school-technical-university-of-berlin-code-chair-construction-plus-design-ralf-pasel>

Photographer:
CODE + Johannes Belz

Shangri-La Karesansui Hotel

case study
By Sheng Yan

Location: Degen, Yunnan, China



Architect: Yiduan Shanghai Interior Design

Owner: Shangri-La Hotels and Resorts

Year of completion: 2015

Climate: Cold Subtropical Highland Climate (Koppen Climate Classification: Cwc)

Material of interest: Sandstone

Application: Exterior and Interior

Properties of material: Local stone is used to reflect the textural palette and craft of local Tibetan elements found in existing buildings on site to create a smooth and harmonious ambiance of coexistence.

Sources:

Architect Website: <http://www.yd-d.net/>
Web Magazine: <https://www.archdaily.com/883968/karesansui-yiduan-shanghai-interior-design>
<https://www.designboom.com/architecture/yiduan-shanghai-interior-design-hotel-shangri-la-zen-elements-11-15-2017/>

Photographer:
Enlong Zhu