

# World Expo 2010-Wanke (2049)

case study  
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Location: Shanghai, China



Architect: LU, Xiang

Building Type: Cultural

Year of completion: 2010

Material of interest: Wheat Straw

Application: Exterior façade

**Introduction:** The first impression of this building would be seven golden wheat buttresses. And the actual material of this building is wheat straws. Known as agricultural discards, 95% of wheat straws and 5% environmental friendly adhesive made this unique material. And instead of burning these wheat straws and producing more CO<sub>2</sub>, it is more sustainable to make them into building materials.

**Sources:**

Other: [http://www.312green.com/information/detail.php?topic\\_id=85976](http://www.312green.com/information/detail.php?topic_id=85976)

