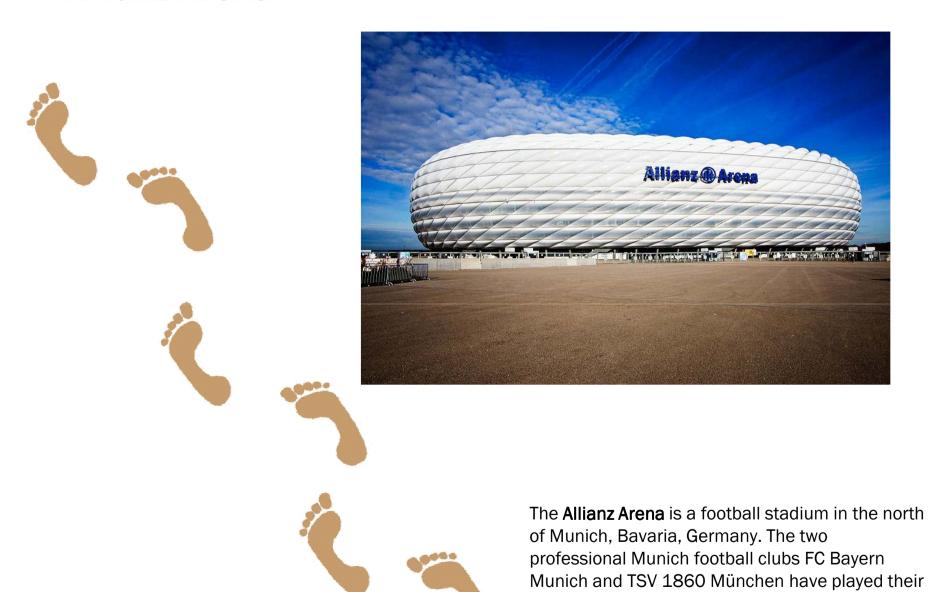


# **Allianz Arena**



home games at the Allianz Arena since the start of

the 2005-06 season.





# Needed for production: Water Electricity Chemicals





The Ecological Footprint

**Water:** 41,9 L/kg





The Ecological Footprint

# **Electricity:**

up to  $1.050 \text{ kWh/m}^3$ .

Producing
1 kWh
in germany
releases
514 g CO2





# Chemicals:

Flame retardant
HBCD is
"highly toxic for
water organisms"
and hardly
degradable.





Stored very long in disposal sites "highly toxic for water organisms"



# Recycling problems:

Little density means high cost of transportation.

Can hardly be reccled because of dirt.



#### **Alternatives**

Fungus grown out of grain

- biodegradable,
- fire resistant





# No Chemicals:

- neutral to CO2 emission
- same CO2 amout as photosynthesis





# Materials:

100 % recycable

biodegradable paper (wood: regrowing)





# Materials:

based on (PolyVinylAcetat)







