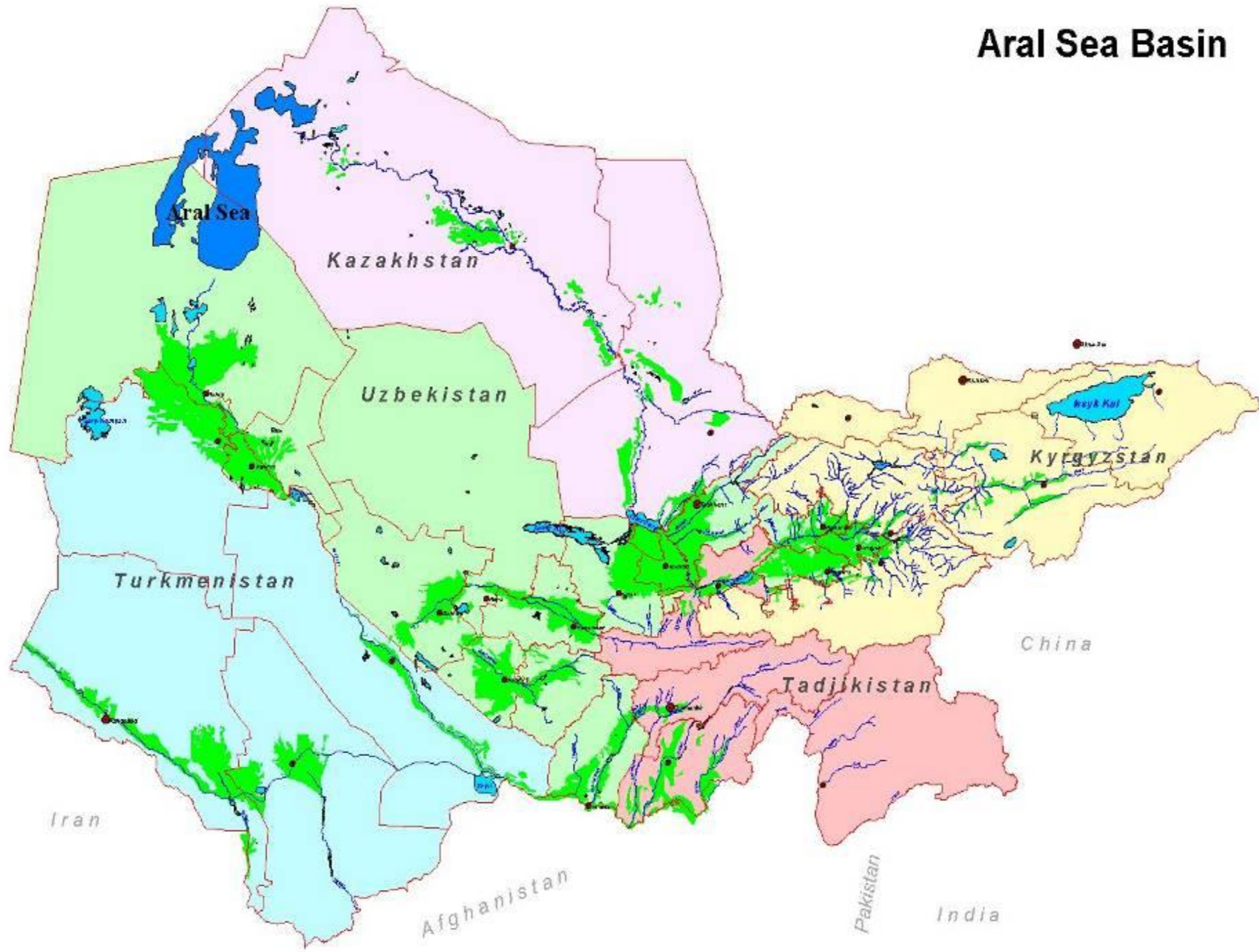


# Aral Sea Basin



# Irrigation system

- Irrigation systems and open channels usually only partially filled with concrete;
- High water losses due to evaporation during the hot dry summer months and by the percolation of water due to the outdated irrigation technology;
- Used only 21 percent of the water in Central Asia efficiently, the remaining 79 percent lost (World Bank, 2011).
- Outdated irrigation systems also brings strong economic losses;

# Irrigation system and channels





# Irrigation ditch





# Inefficient water use (I)



# Inefficient water use (II)



































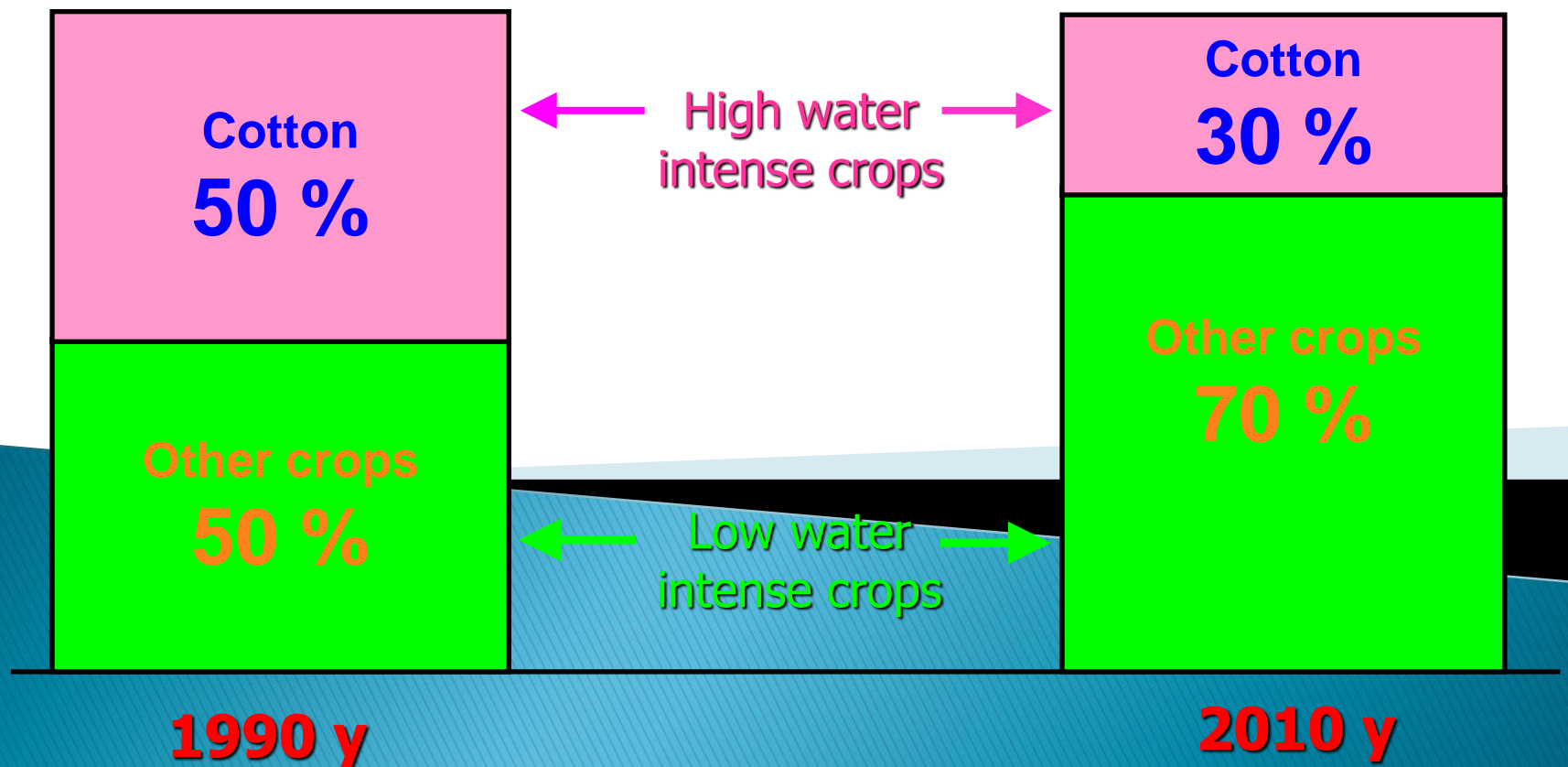






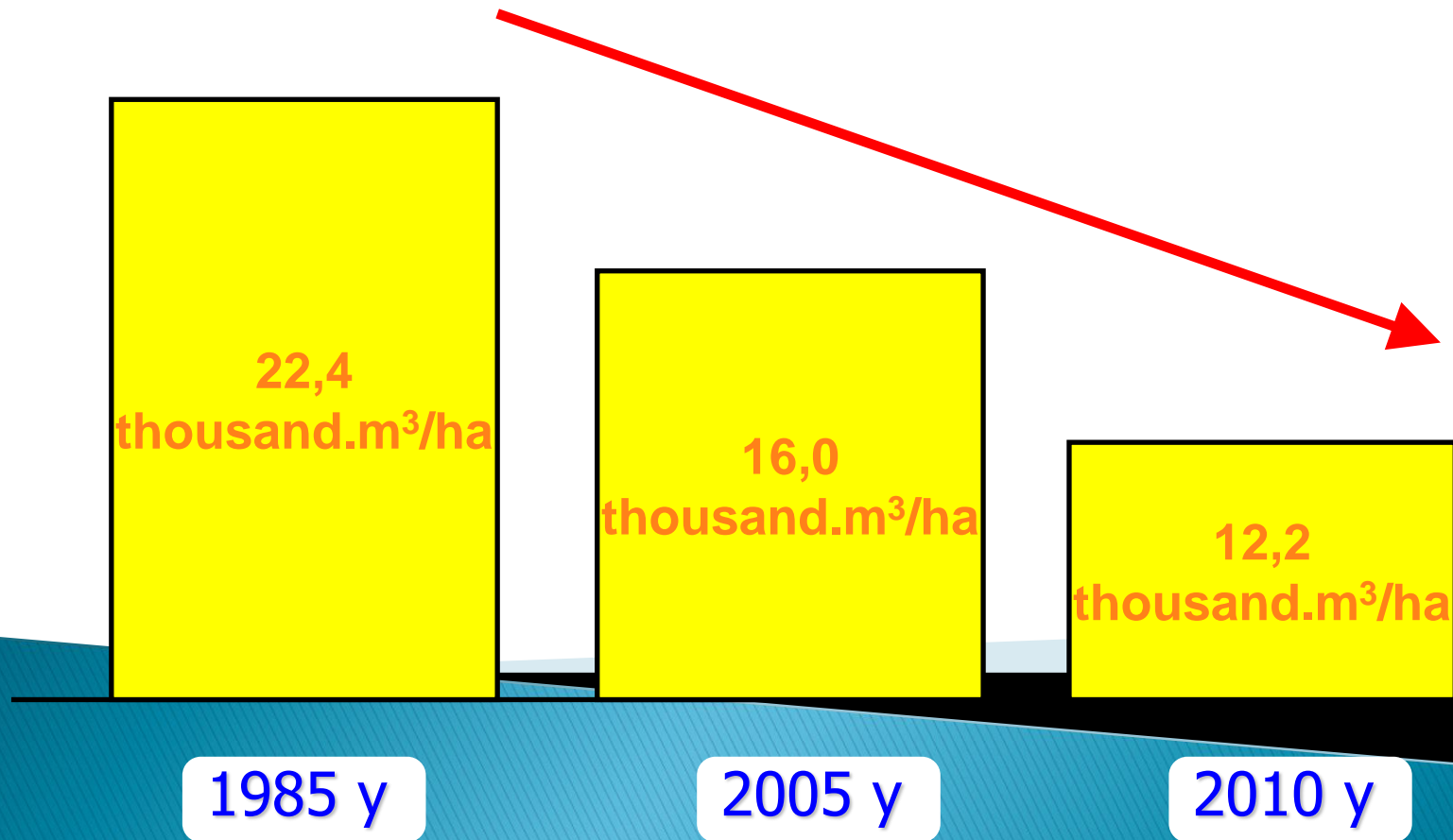
# Agriculture toward water saving policy

Share cotton fields in total irrigated area



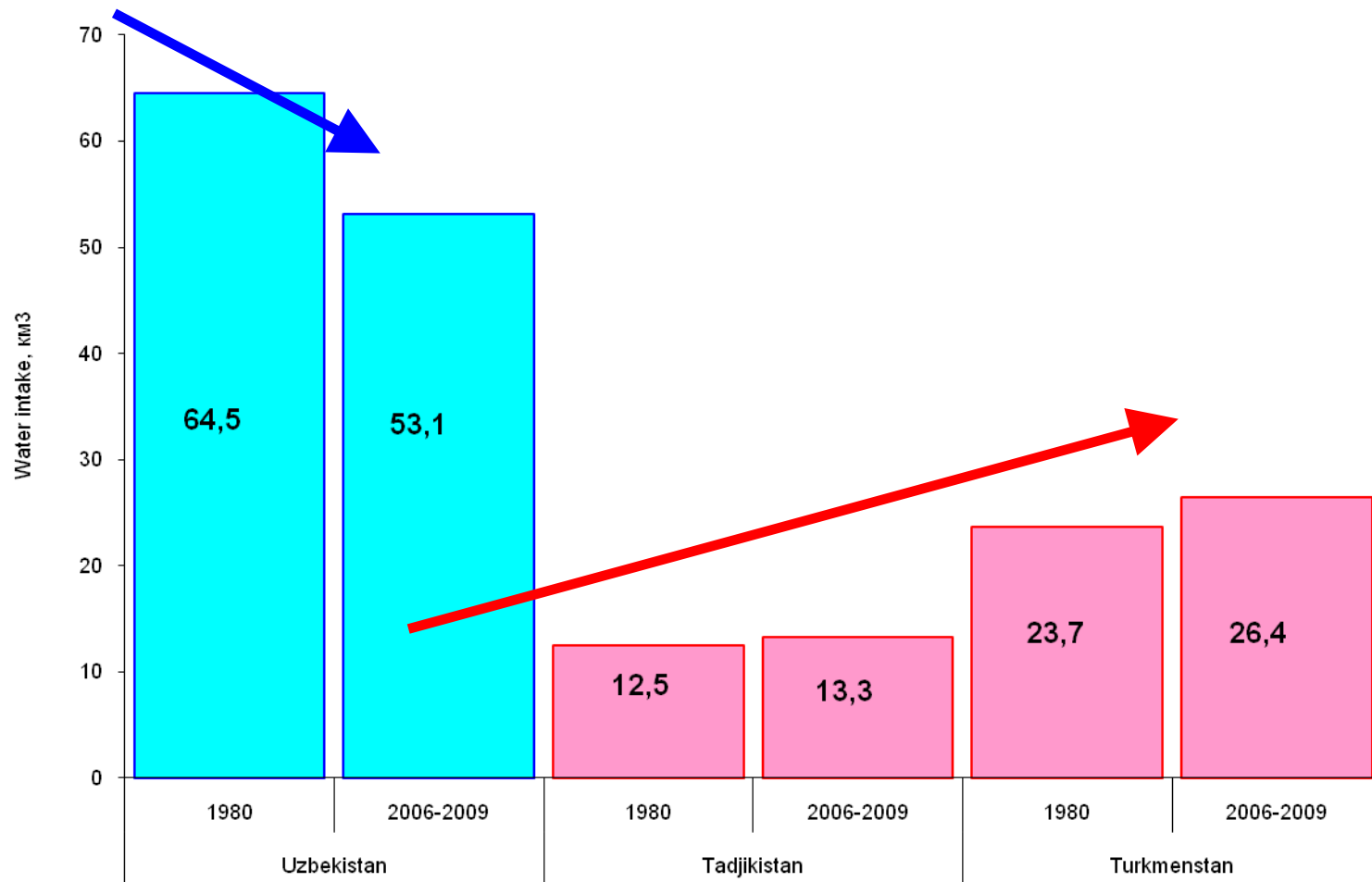


# Water consumption trend per 1 ha in Uzbekistan





# Water use changes in Aral sea basin





# Maintenance of concrete channels





# Irrigation through polyethylene sheets into the cotton









# Carrots growing between the rows of cotton





Thank you!