# RUNNING OUT OF SAND

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3rd most used resource on the

planet

usage: glass concrete electronics asphalt

30-50 billion tons each year are globally used

key ingredient of modern life

Sand

biggest amount used for concrete

growing

demand

concrete

 $\neg$ 

illegal

Rapid

urbanization

& building

boom

Growing

world

population

mining: sand grabbing

Sand mafia criminal structures

Reduction

Monitoring

Approaches Solutions

International Governance

Alternative Materials

### SAND MINING



Sustainable Sources

Recycling

IN SOUTH ASIA

## Impacts









#### **ECONOMY**

decrease of river bank agriculture

environmental refugees

loss of tourism

decrease of fishing prospects

### **ECOLOGY**

dropping water tables

river delta salination

altered river flow

erosion, landslides

sinking islands

loss of beaches

biodiversity loss

disrupted food chains

loss of livelihoods

migration

violence & criminal structures through sand mafias