

# Designing local solutions to address Global Problems

Priya Shyamsundar, 30<sup>th</sup> IGBP SC Meeting



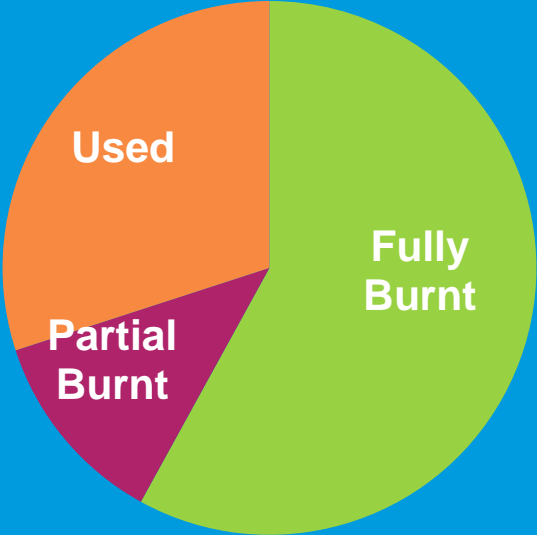
**Black carbon threatens glaciers, agriculture and health in South Asia**

# Crop Residue Practices across South Asia

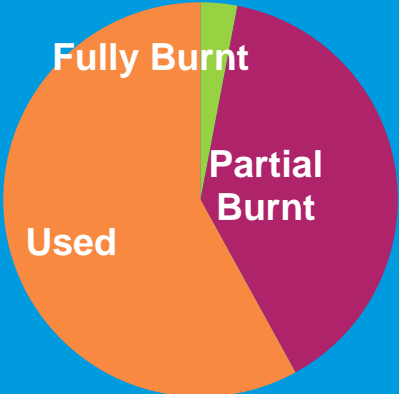
India - Combine (% land)



Pakistan (% land)

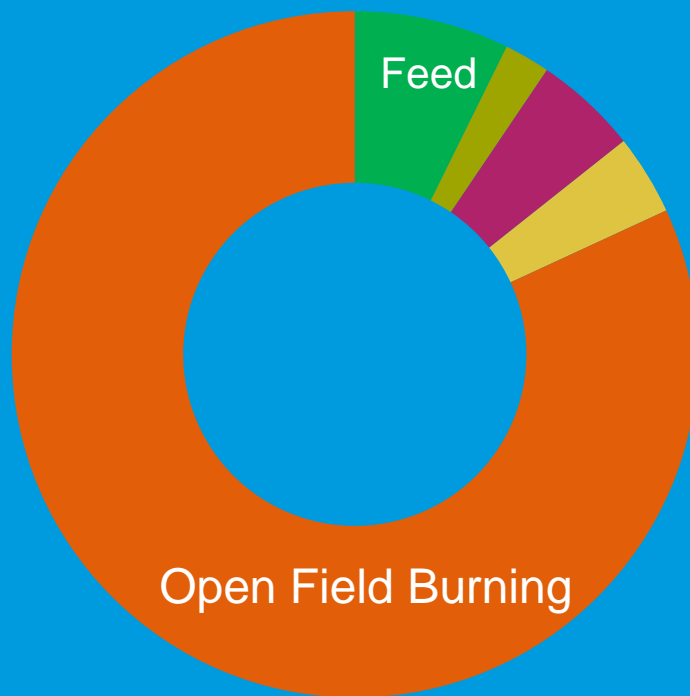


Bangladesh (% plots)

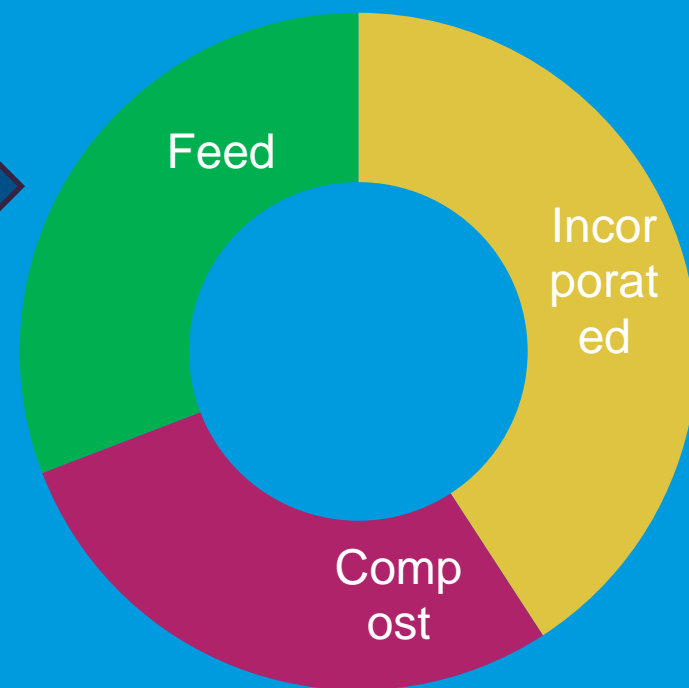


# Reverse Auction: Payments for Not Burning in Nepal

## Pre-Auction



## Post Auction



\$78/ha

86%  
Compliant

# Lessons to Solutions

## Incentives Necessary

Reduce a Public Bad

Private rights and costs

## Possible Solutions



# Global Change

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