

Addressing the potential to be harmed along the Indian coast

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WWF-India

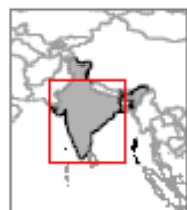
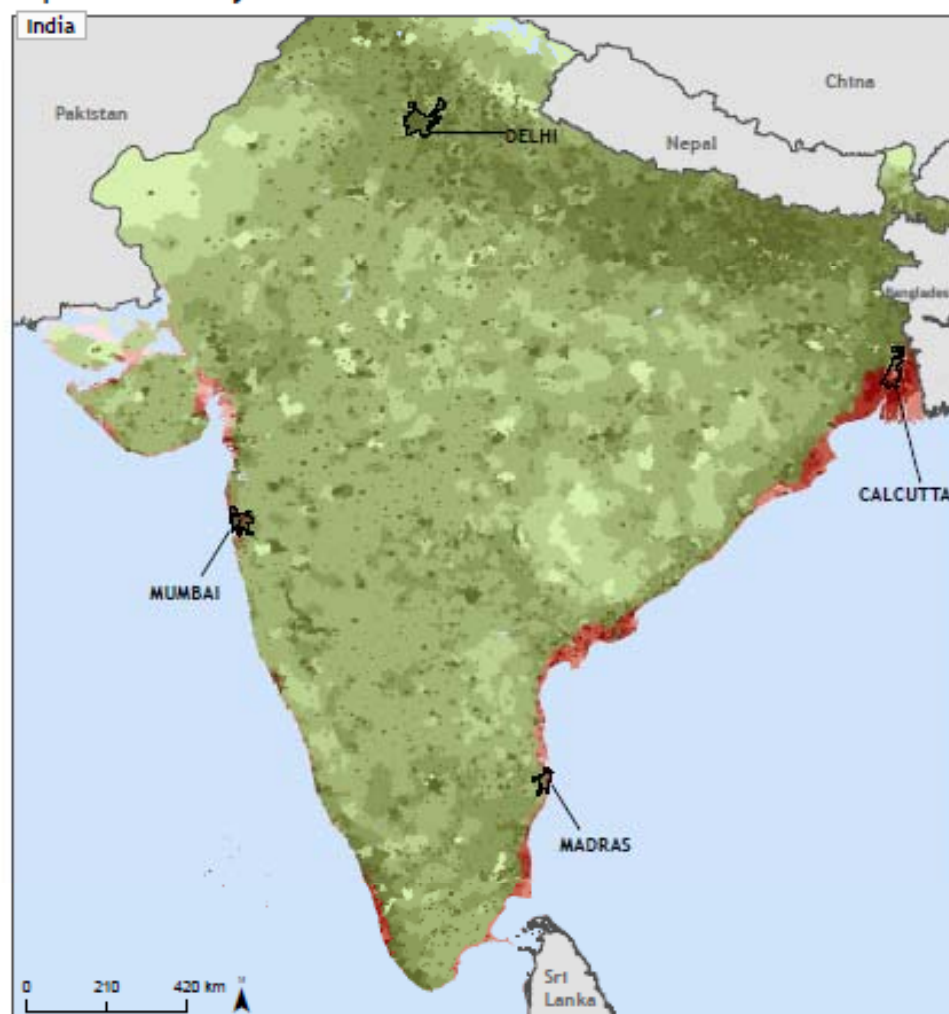
Date 13/12/2012

CSE Climate Change Adaptation
Workshop

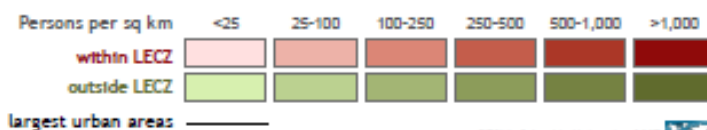


Potential to be harmed

Population Density within and outside of a 10m Low Elevation Coastal Zone



Population Density within and outside of a 10 meter low elevation coastal zone (LECZ), 2000

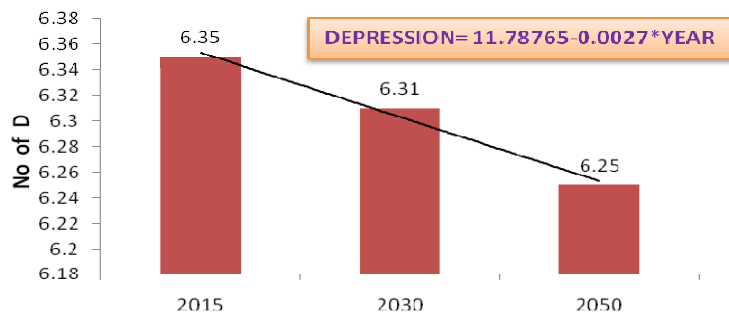


GESR, Columbia University, 2007
<http://sedac.ciesin.columbia.edu/gpw/lec2.jsp>

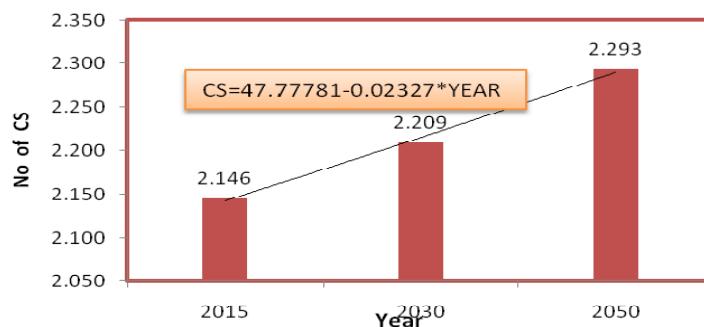


Potential to be harmed

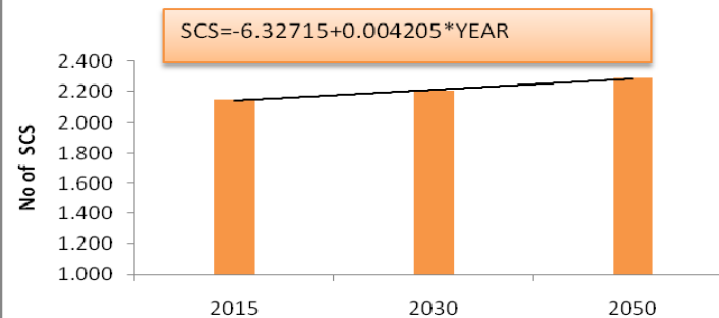
DEPRESSIONS (D): PROJECTION FOR 2015, 2030 AND 2050



CYCLONIC STORMS (CS): PROJECTION FOR 2015, 2030 AND 2050

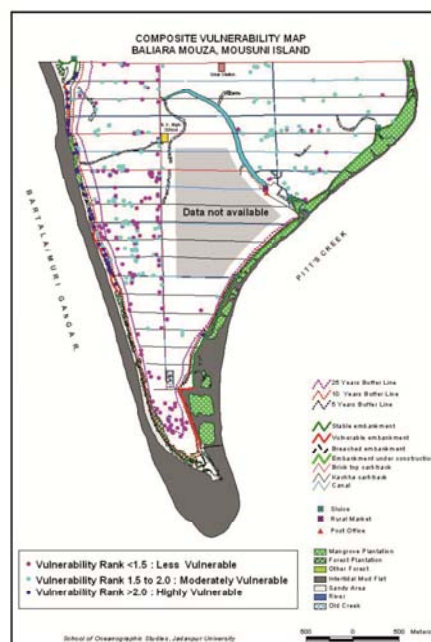
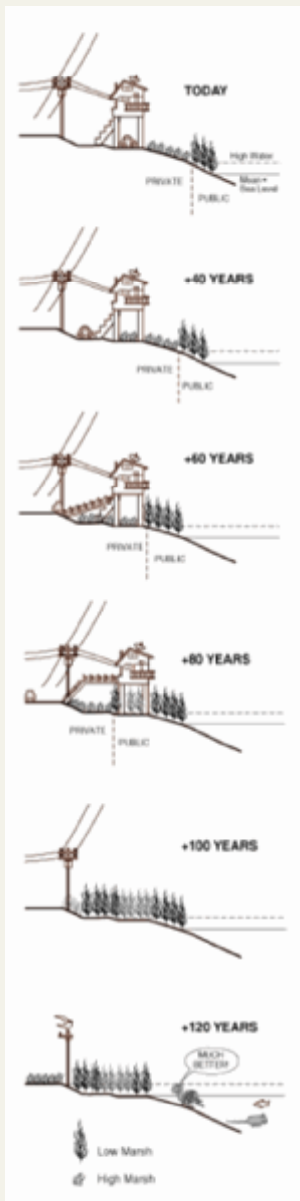


SEVERE CYCLONIC STORMS (SCS): PROJECTION FOR 2015, 2030 AND 2050

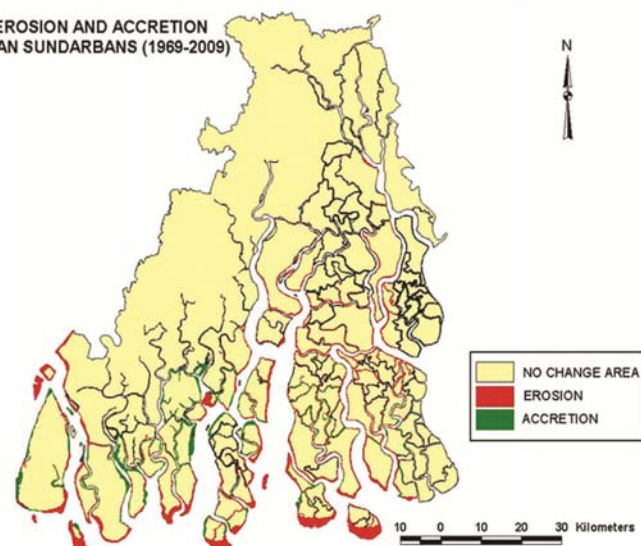




In harm's way



ZONES OF EROSION AND ACCRETION IN THE INDIAN SUNDARBANS (1969-2009)



YEAR 1969 - 6569.799 Sq. Km.

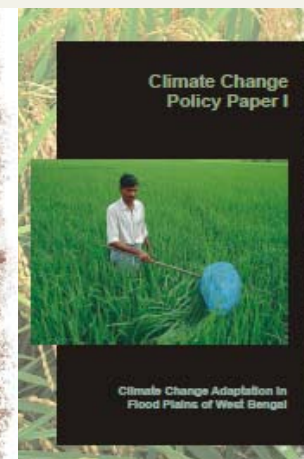
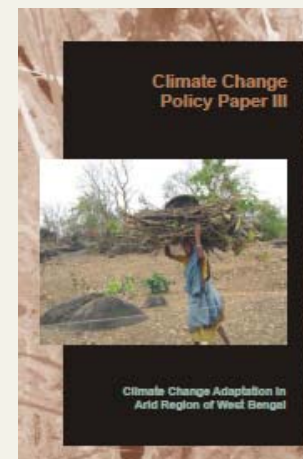
YEAR 2009 - 6359.552 Sq. Km.

Loss of 210.247 km² in four decades of which 65.062 km² lost in the last decade.



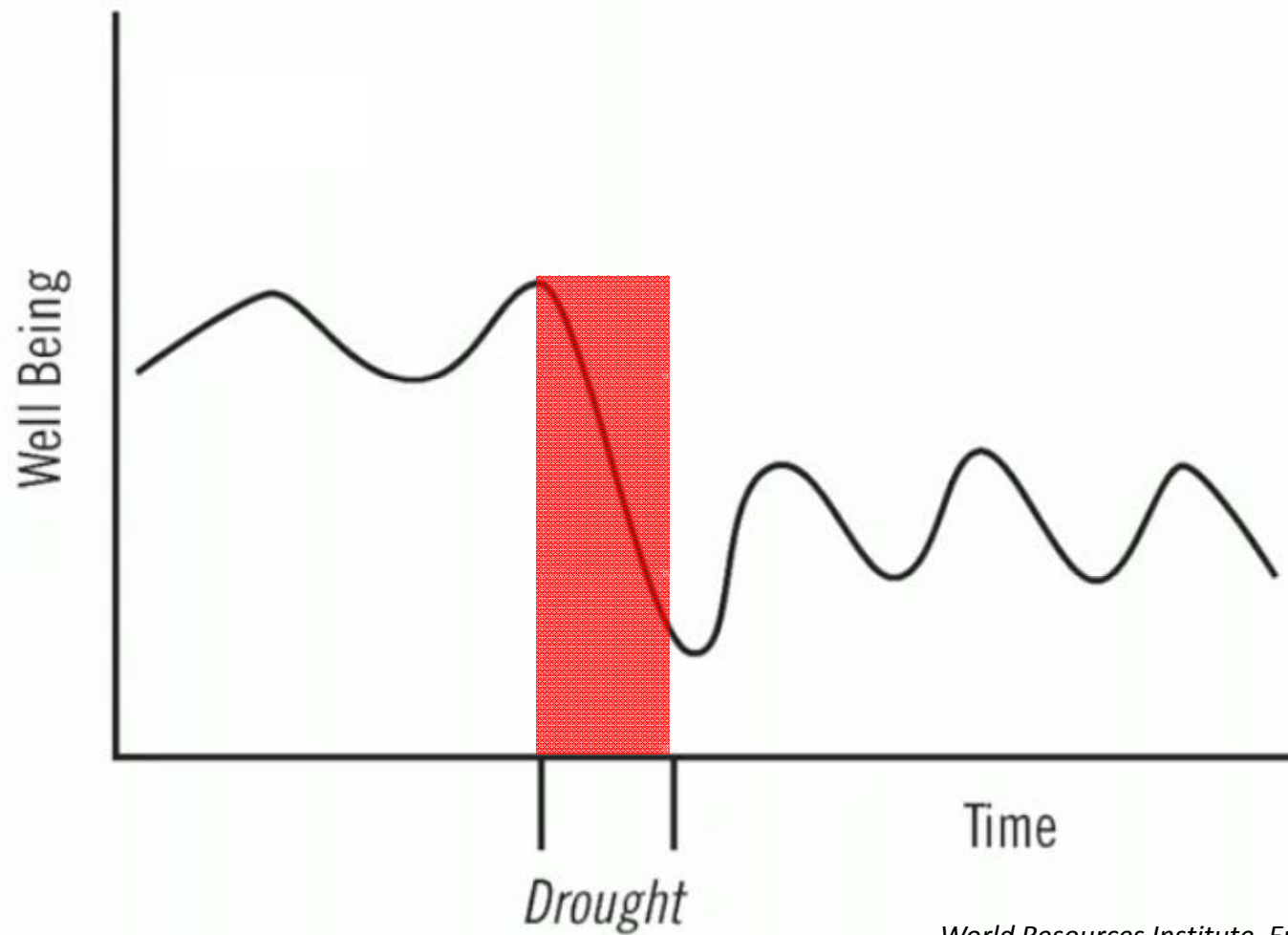
Addressing the potential to be harmed

- Salt tolerant paddy
- Salinity shock resistant fish
- Disaster Risk Reduction –
Shelters, Response teams and Relief
- Climate Adaptation Centre
- Climate Change Policy Papers





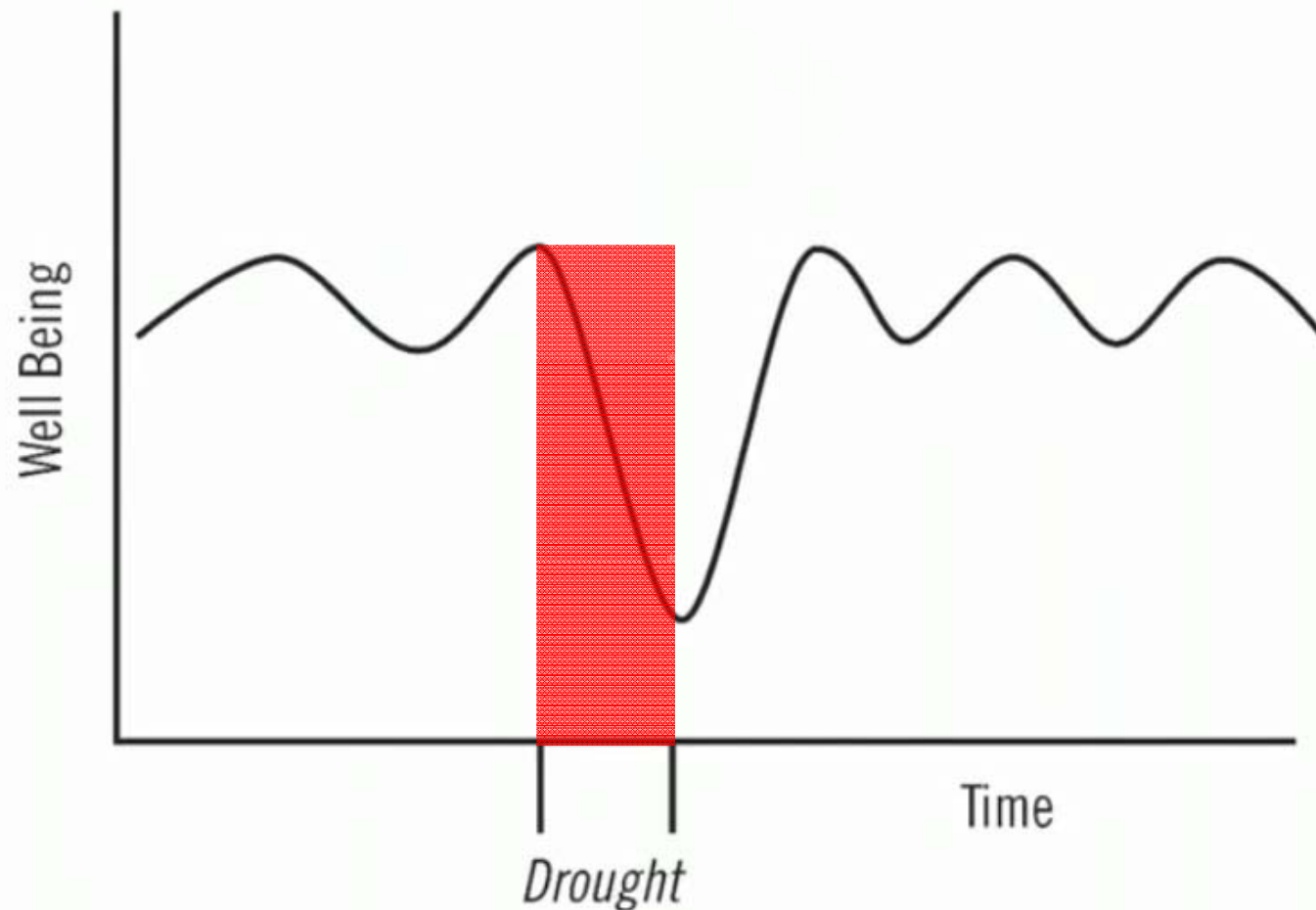
coping





Addressing the potential to be harmed

building resilience



World Resources Institute, Enabling Adaptation



adaptation

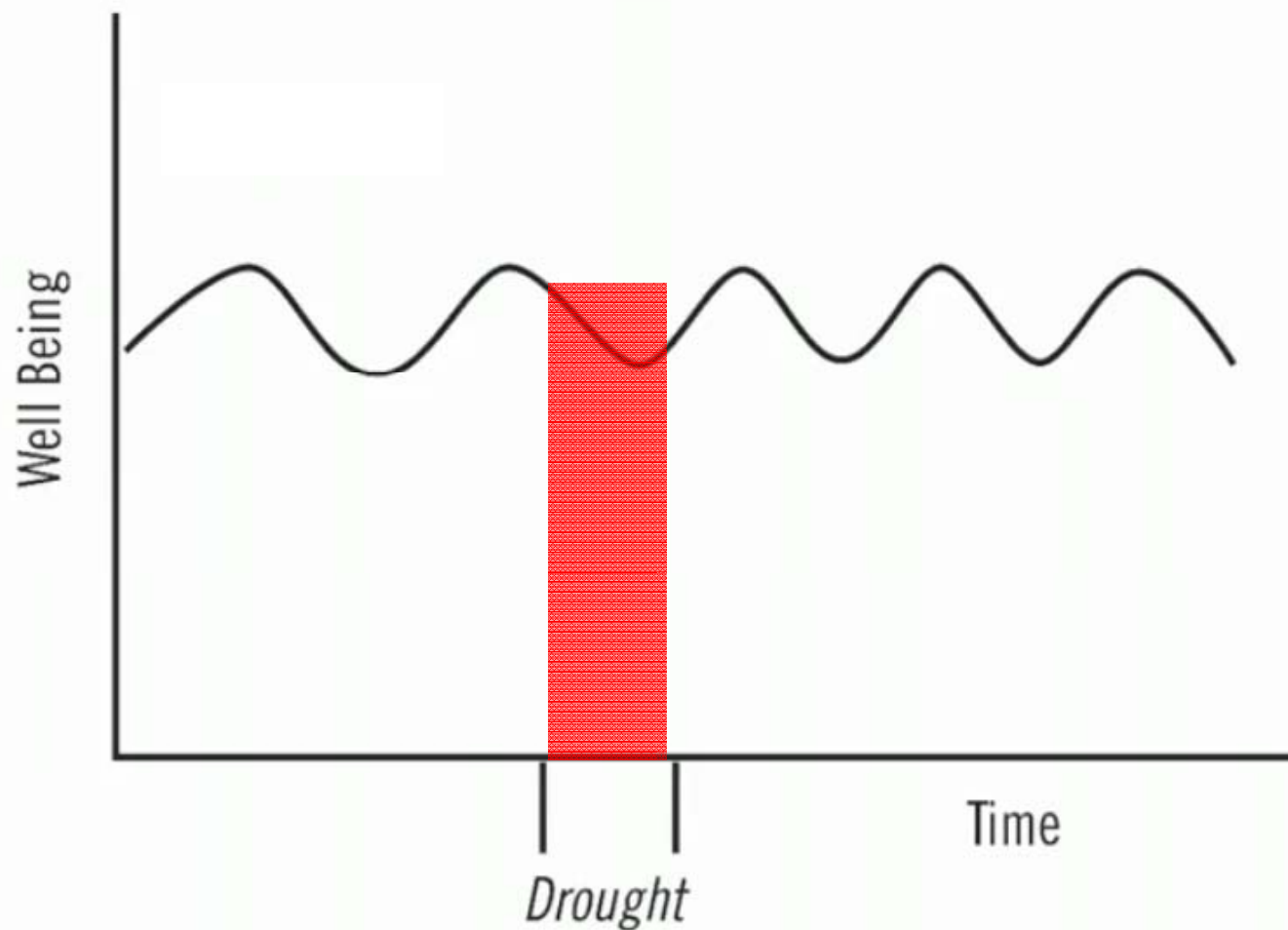
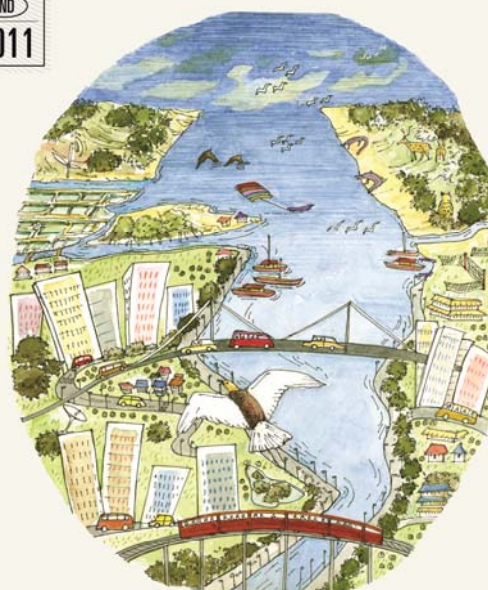


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WWF • INDIAN SUNDARBANS DELTA: A VISION

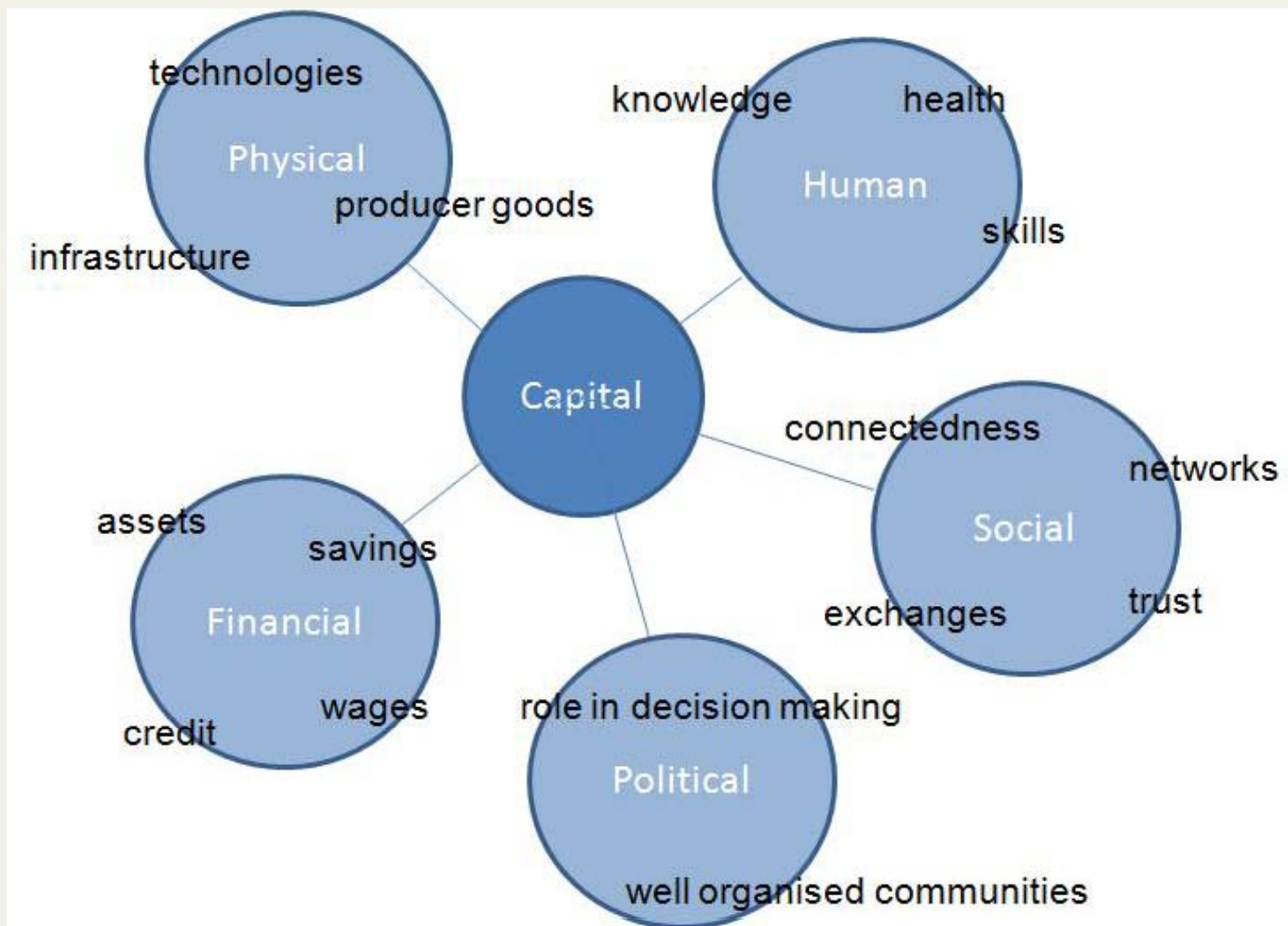
INDO www.india.org



Indian Sundarbans Delta A Vision



Role of govts in addressing the potential to be harmed





Thank you

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