

CENTRE FOR SCIENCE AND ENVIRONMENT



ANIL AGARWAL DIALOGUE 2020

**ANNUAL MEDIA CONCLAVE
ON THE STATE OF INDIA'S
ENVIRONMENT**

CLIMATE INDUCED MIGRATION
Stories from the ground

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CLIMATE MIGRANTS

- Mid 1990, 25 million migrated due to severe environmental pressure
- 2001 WDR-Redcross-25 million migrants due to disaster
- 143 million internal climate migrants by 2050 (2018 World bank)
- Prof Norman Myers, Oxford University- 200 million by 2050
- All prediction are tentative and difficult to extrapolate climate and migration data? (Prof Myers)
- Current estimate some where between 25 million to 1 billion.

CLIMATE AND MIGRATION

- Scientific basis on climate change and its impact is well established..but
- Climate Migration/ Refugees/ displacement?
- Migration triggers- Socio-economic-environmental-Political?
- Who? – Men, women, youth, children and vulnerable people
- Migration hotspots- backward, fragility, conflict
- Migration Choices- individual- family- labour market, towards Cities? Urban centre? Intra-interstate?

INDIA MIGRATION

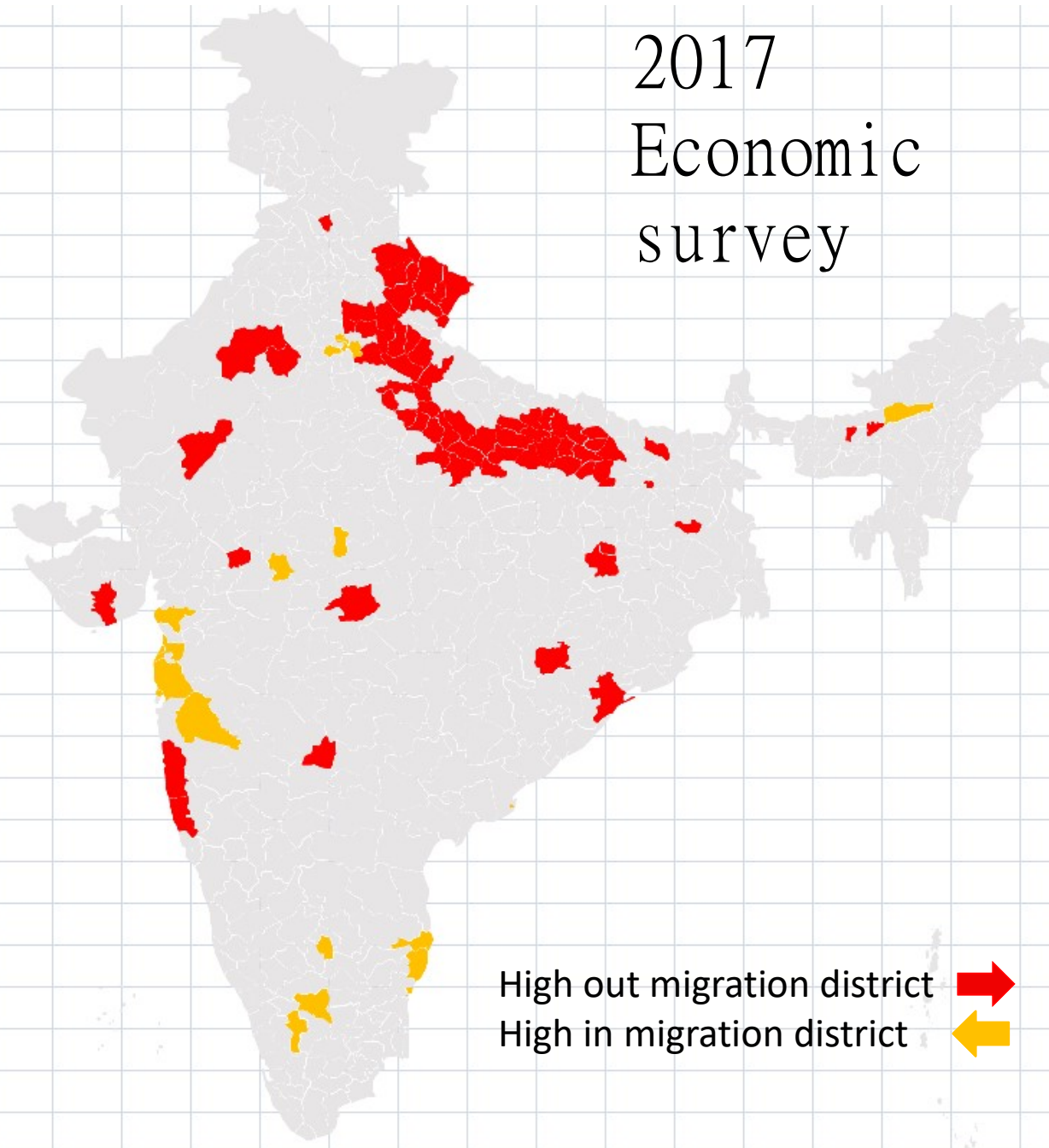
- 450 million (Census 2011)
- 9 million annual migration for employment (Economic survey 2017)
- 100 million seasonal migrant workers
- Meager ISMWA data on interstate migration
- Informal study and research

DISASTER RISK IN INDIA

- Both slow onset and rapid onset disaster
- 27 states in India are disaster prone
- 42% of the land rain fed and 68% cultivated area are drought prone
- 12% of the area is flood prone
- 5700 KM of coastal region cyclone prone
- 15 area susceptible to land slide
- Half of the population in India are vulnerable to natural disasters

* National Disaster Management Authority, Govt of India

2017 Economic survey



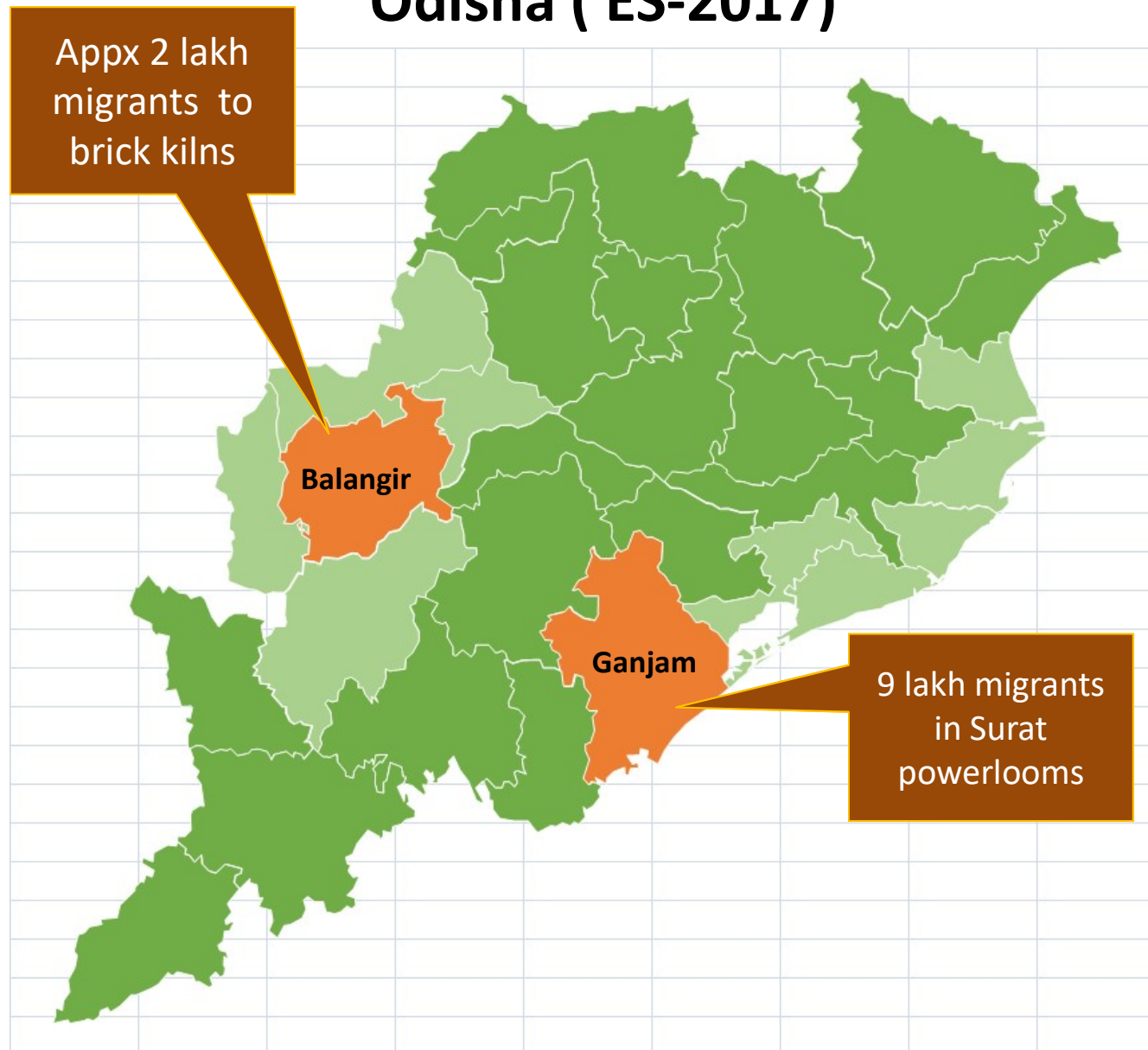
UP-40
UK-9
Bihar-8
Raj- 3
Jharkhand-3
Odisha-2
MP-2
Maha-2
HP-1
Guj-1
KA-1

Delhi-9
TN-5
Maha-3
Haryana-2
MP-2
Guj-2
Puduchery-2
UP-1
Assam-1
Daman-1
KA-1
TS-1

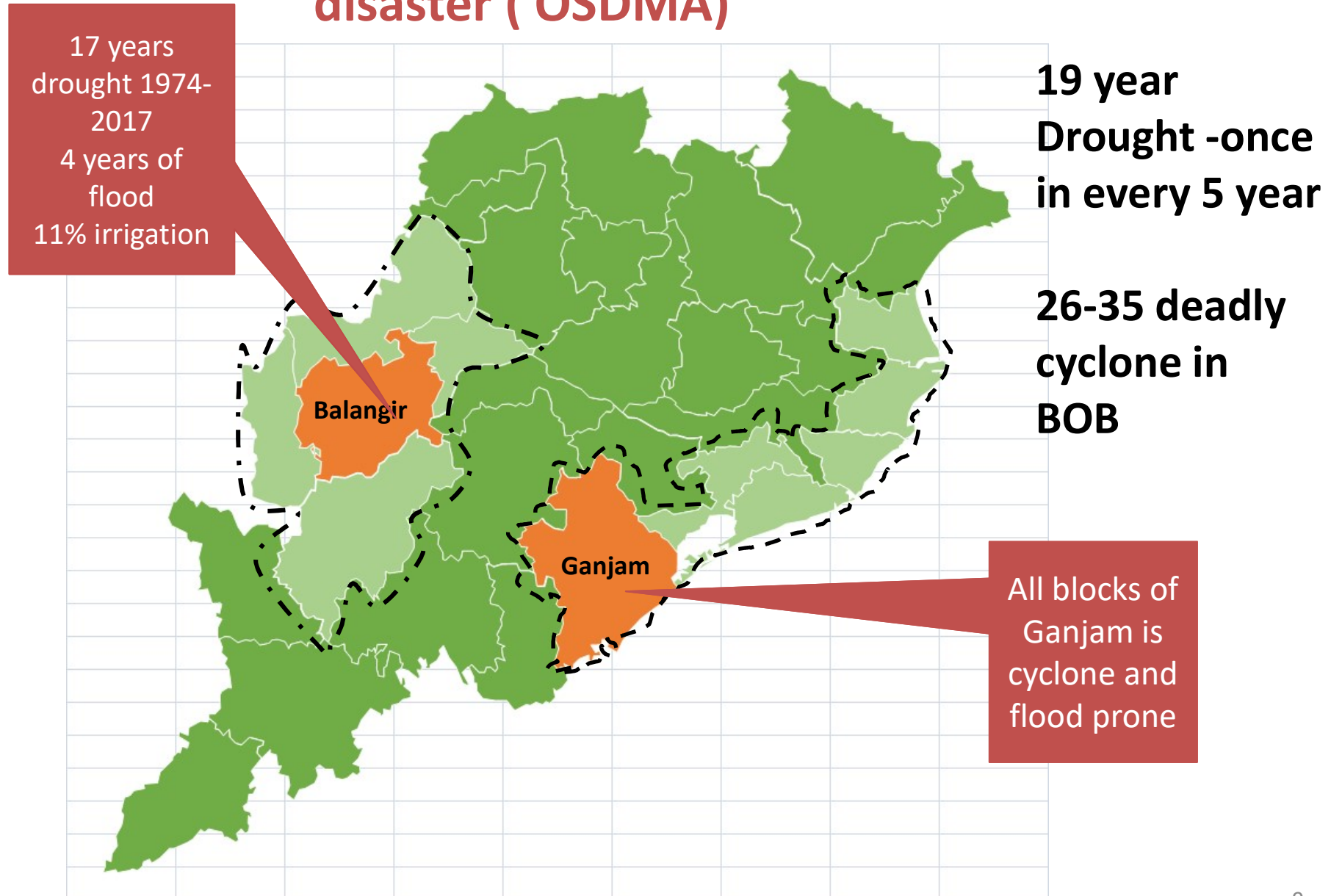
MIGRATION IN ODISHA

- Census 10 million migrants
- Inter-state migrant workers Act registration 1.5 lakh
- Informal estimate 2 million migrants
- Large migration from coastal region
- Both distress and aspiration
- Special project by government of Odisha

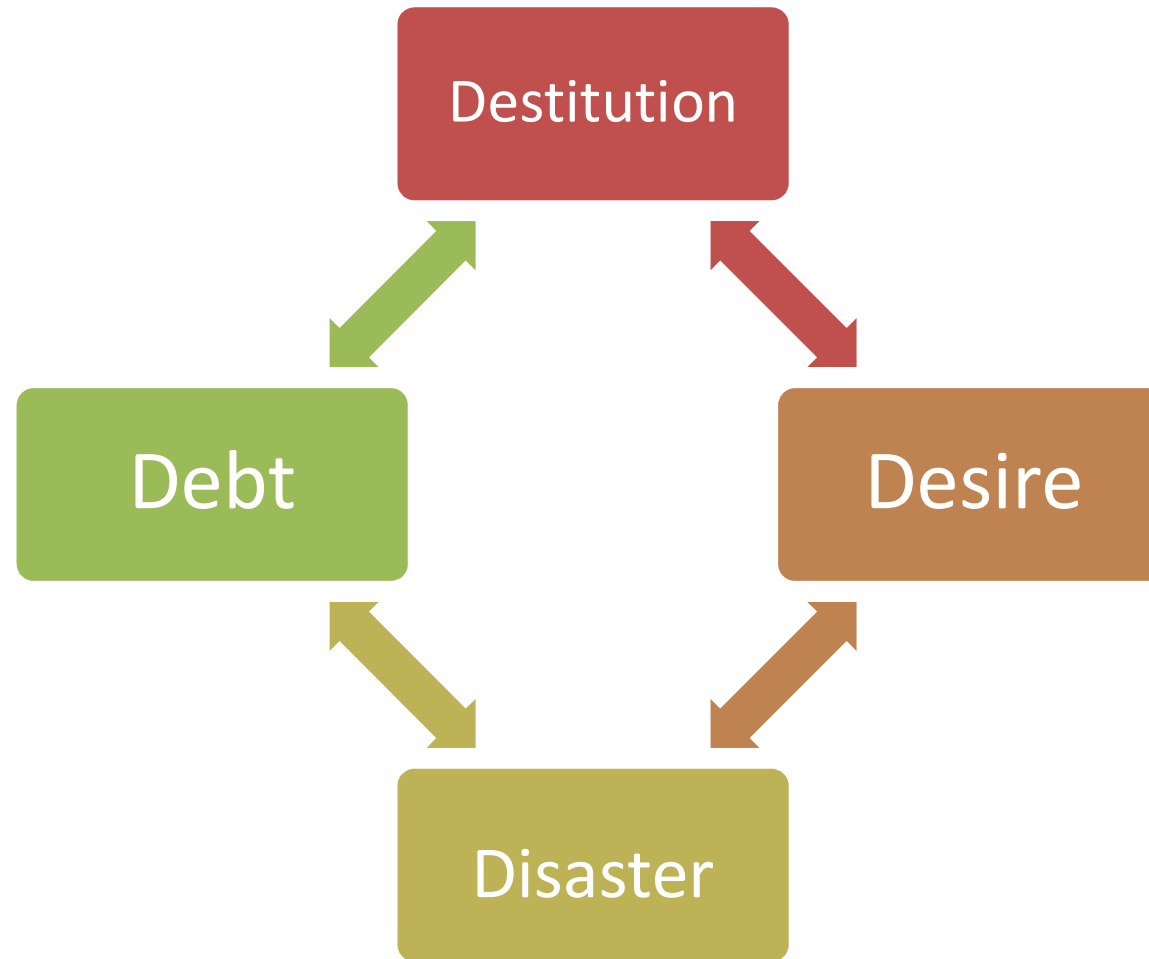
Two key migration district of Odisha (ES-2017)



Last 50 year, Odisha faced 41 natural disaster (OSDMA)

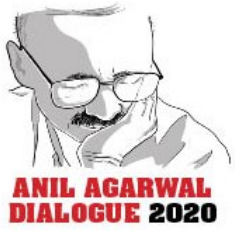


Key migration trigger



Key challenges

- No effective data on human aspect of environment and migration
- Migration hotspots in India is also backed by natural disasters
- Risk informed development is key for reducing vulnerability of people
- Faster disaster reduction and recovery strategy enhance peoples capacity cope up with natural disaster related vulnerability
- Migration management is crucial for peoples right to mobility



Thank you very much

