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Addressing Crop Improvement

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Overview

- ✓ Game changing technologies
- ✓ Scaling up plans and constraints
- ✓ Nutrition linkages
- ✓ Research and policy priorities



Game changing technologies

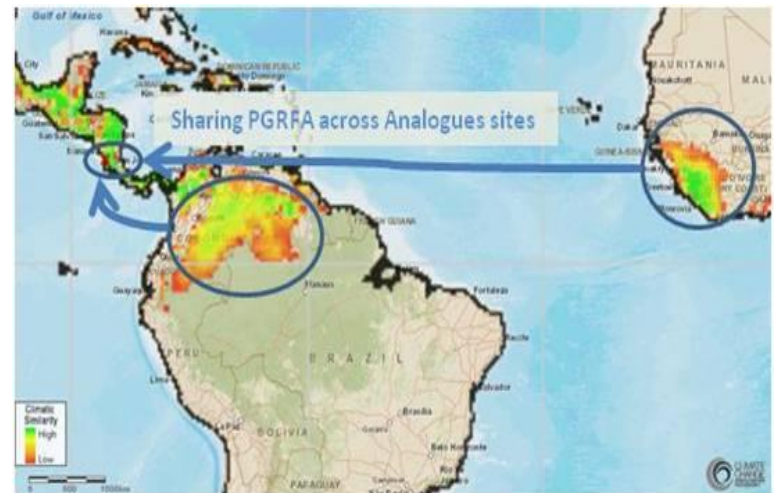
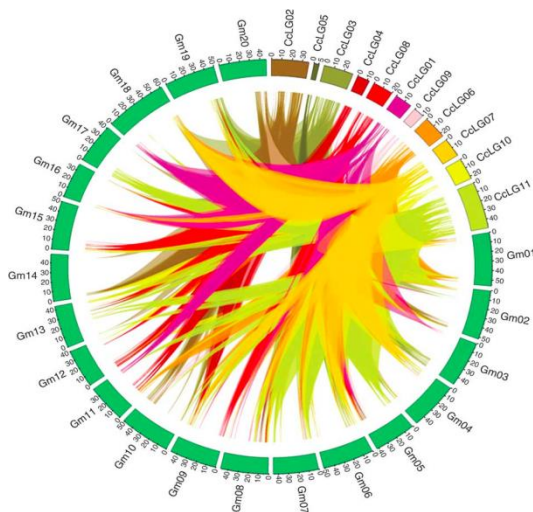
- Next Generation Genomics (e.g. pigeon pea)
- More crop per drop (e.g. water saving crops)
- Climate resilient crops (e.g. sorghum, millet, rice, wheat and maize)
- Role of biotechnology (molecular breeding, transgenic research)
- Future of crop improvement (tailor-made crops, GIS-based crop design)





Scaling up plans

- Genomics and conventional breeding
- Climate resilience
- Integration of crop and weather forecasting
- Role of NARS





Constraints

- Role of research vs. NARS
- Policy environment
- Public vs. private investment
- IPRs/ Biodiversity





Nutrition Linkages

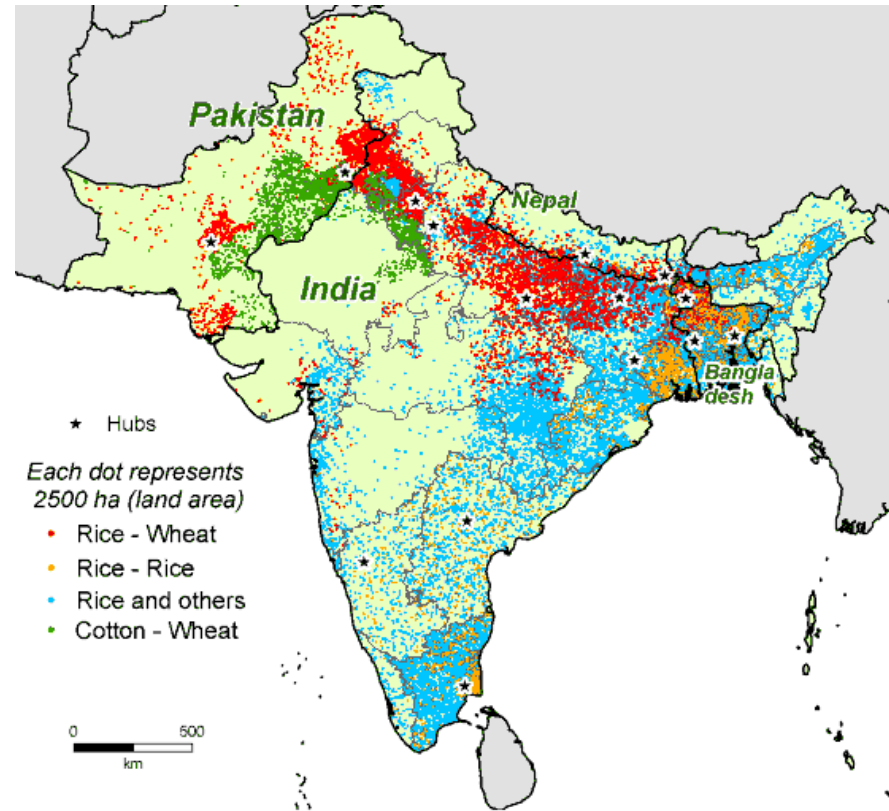
- Next generation genomics - pulses research
- Role of biotechnology -Golden rice, Harvest Plus programs
- Orphan crops or nutri-cereals





Research and Policy Priorities

- Public and private sector research
- IPRs
- Policy and regulatory set-up
- Future of crop improvement





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Thank You

