

Technological Evolution of Flood Early Warning System in Nepal



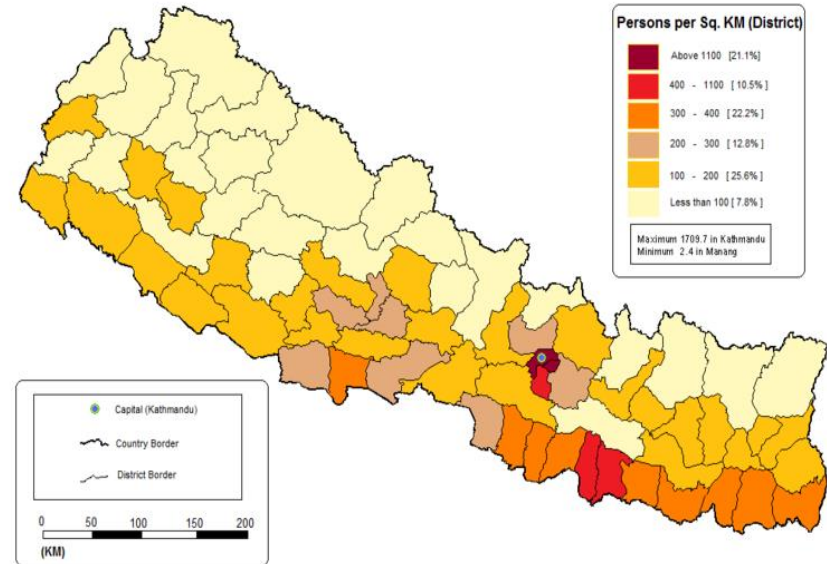
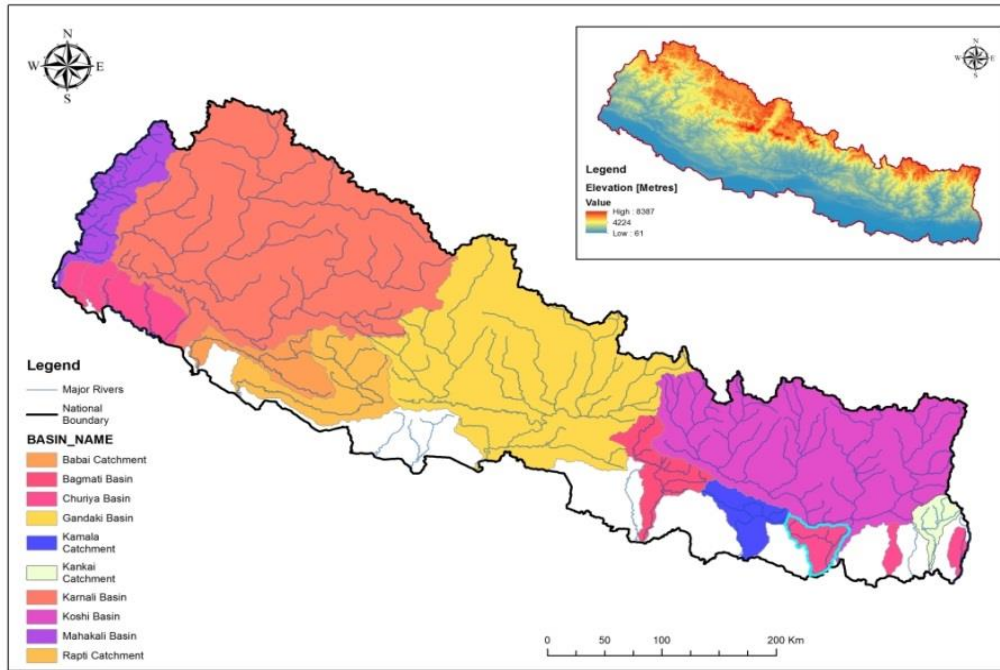
Gopal Prasad Ghimire
Project Manager
Practical Action, South Asia

Presentation Outline

- Nepal and Flood
- EWS Related Technological Development
- Effectiveness of the system
- Conclusion and Recommendations

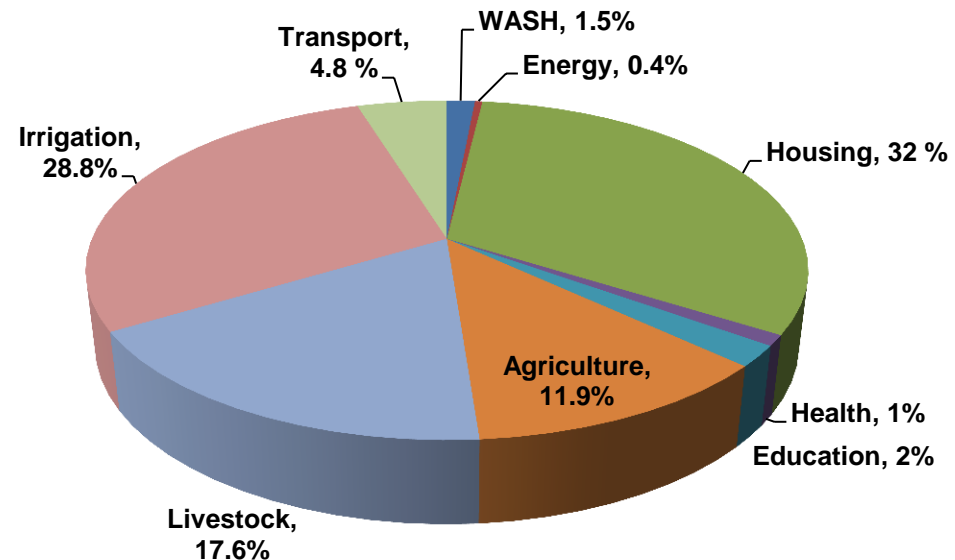


About Nepal



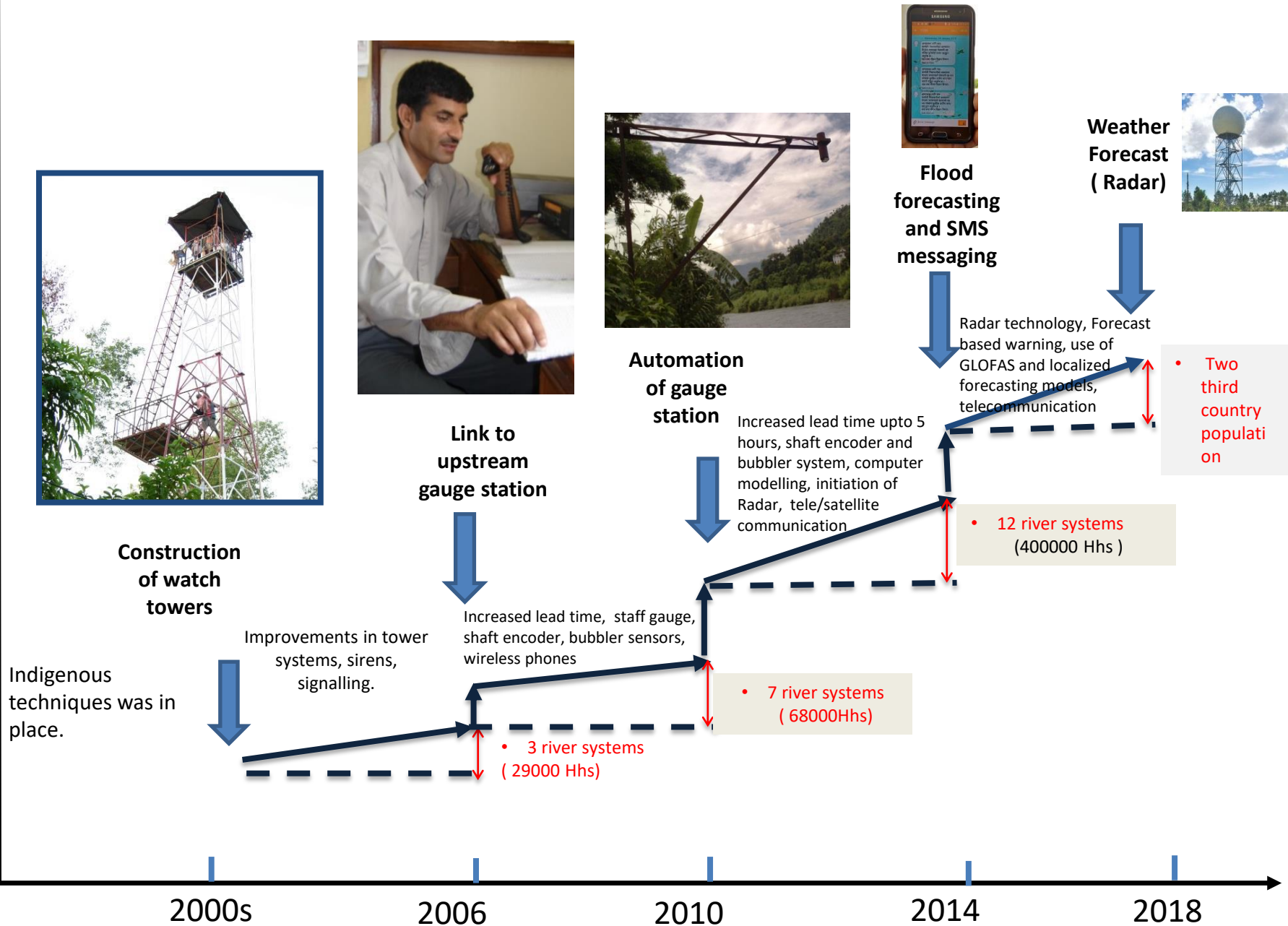
Loss of 2017 Flood (USD 585 million)

- >600 rivers/rivulets
- More people live in flood vulnerable area
- Flood eroding development gains (3-5 % GDP
- EWS playing Positive role



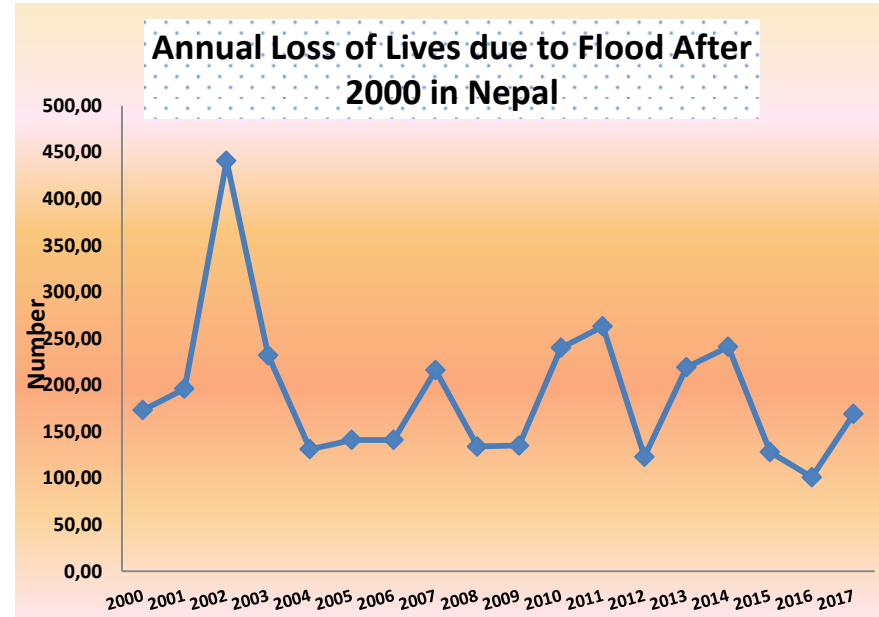
EWS related Technology Development/Use in Nepal

People covered by EWS messaging



Effectiveness of the System

- Life loss is more in rivers without Flood EWS
- Better planning and Coordinated actions
- Benefits outweigh cost (1:24 to 1:73)



Conclusions and Recommendations

- EWS related Technological advancement is reducing the loss of live and properties-
Need to replicate the success
- Uptake of piloted technologies from all stakeholders is leading the success. **Capacity development should be Focused.**
- EWS technologies are limited to perennial rivers- **focus should be given for flashfloods**
- Technologies should focus **cross border level risk analysis and information sharing**

Thank You

www.floodresilience.net

