Satellite Application in Agriculture in Bhutan

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Outline

- Agriculture in Bhutan
- Use of Satellite technology in Agriculture
- Use of Satellite technology in Agriculture - Future Plans
- Existing Satellite Services in Bhutan
Bhutan
Agriculture in Bhutan

- Around 8% of total land area is arable
- Only about 2.89% of total land area is under cultivation
- Agriculture engages about 59% of the total population - mostly subsistence farming
Use of Satellite technology in Agriculture

- LandSAT imagery and data used to study change in land use and land cover mapping and monitoring in Agriculture and Forestry sector - Land Use and Land Cover (LULC) publications
- Weather forecast data used to provide Agriculture advisory to Farmers – Pilot phase
Future Plans

- Yield Analysis and Forecasting for various agriculture commodities
- Water Resources Monitoring (Irrigation)
- Land degradation and Management
- Road Networks (Rural Access)
- Human and Animal Settlement & Migration trends (Rural-Urban Migration)
Existing Satellite Services in other sectors

1. TV and Radio broadcasting
2. Radio broadcasting
3. Emergency communications
4. Weather forecasting
5. GLOF monitoring
6. Internet services
7. Telecommunication backhauling
Thank You