

COMMERCIALIZING WEATHER PREDICTION

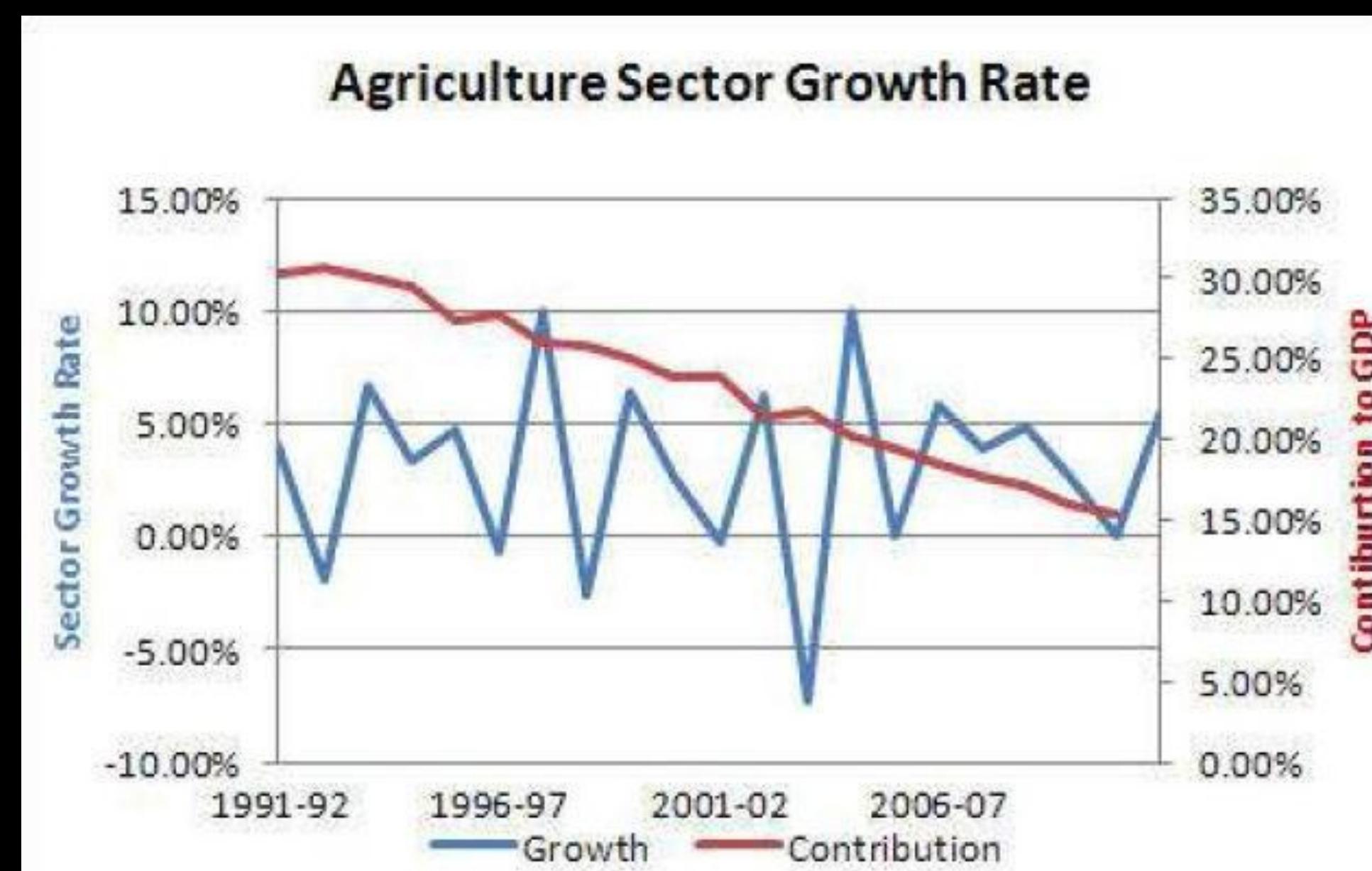
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Introduction

The technique of cloud monitoring is used to predict weather. A nano satellite is used as a service provider to obtain the raw data, which is further processed and distributed amongst all the clients.

Need for a change

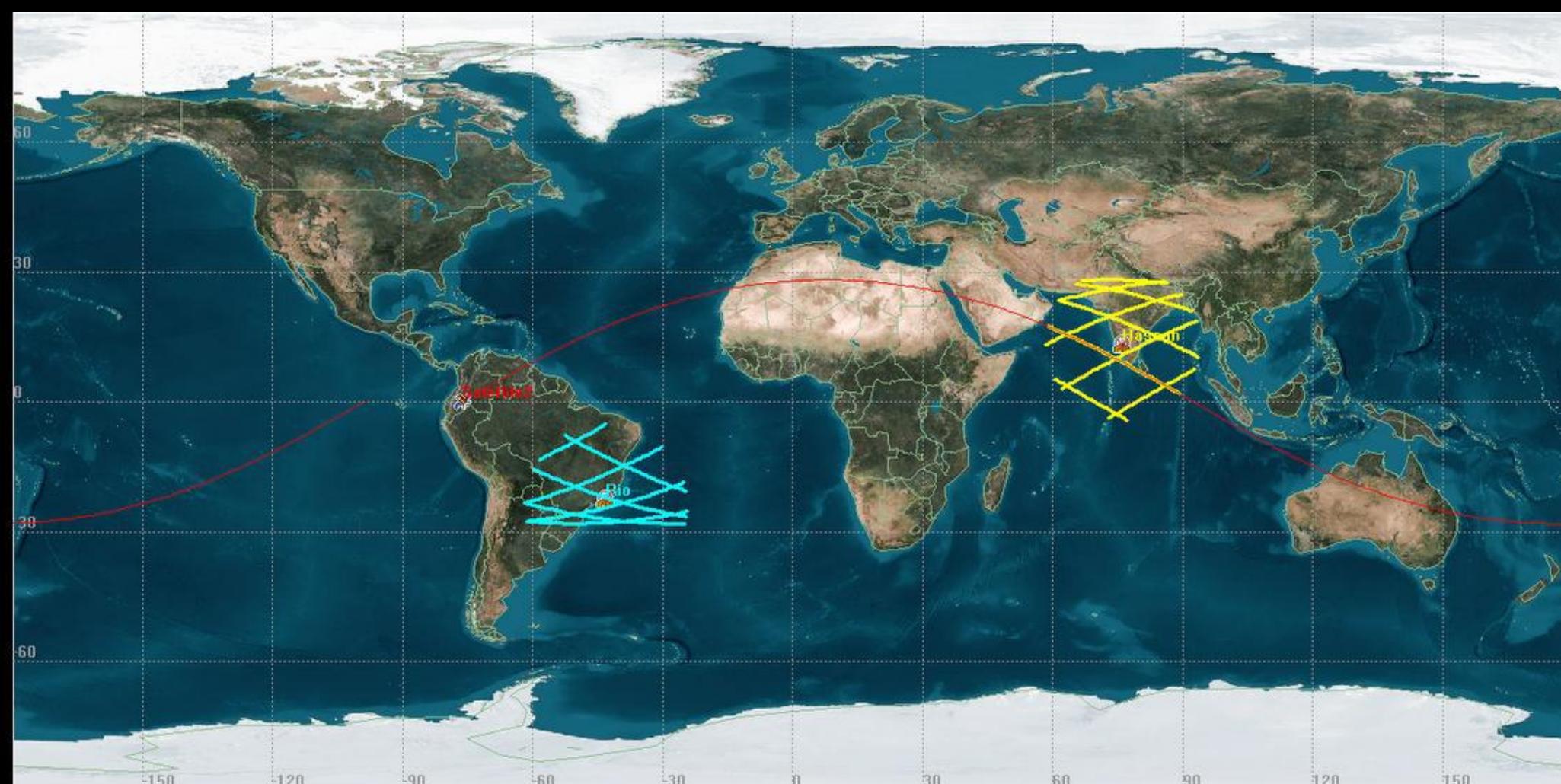
Today modern technology enables extremely accurate weather mapping but the main loophole lies in the accessibility of this technology to the regular farmer. There is not much technical support being given to agriculture and farmers and most of the agro industries are ignorant about the forth coming events.



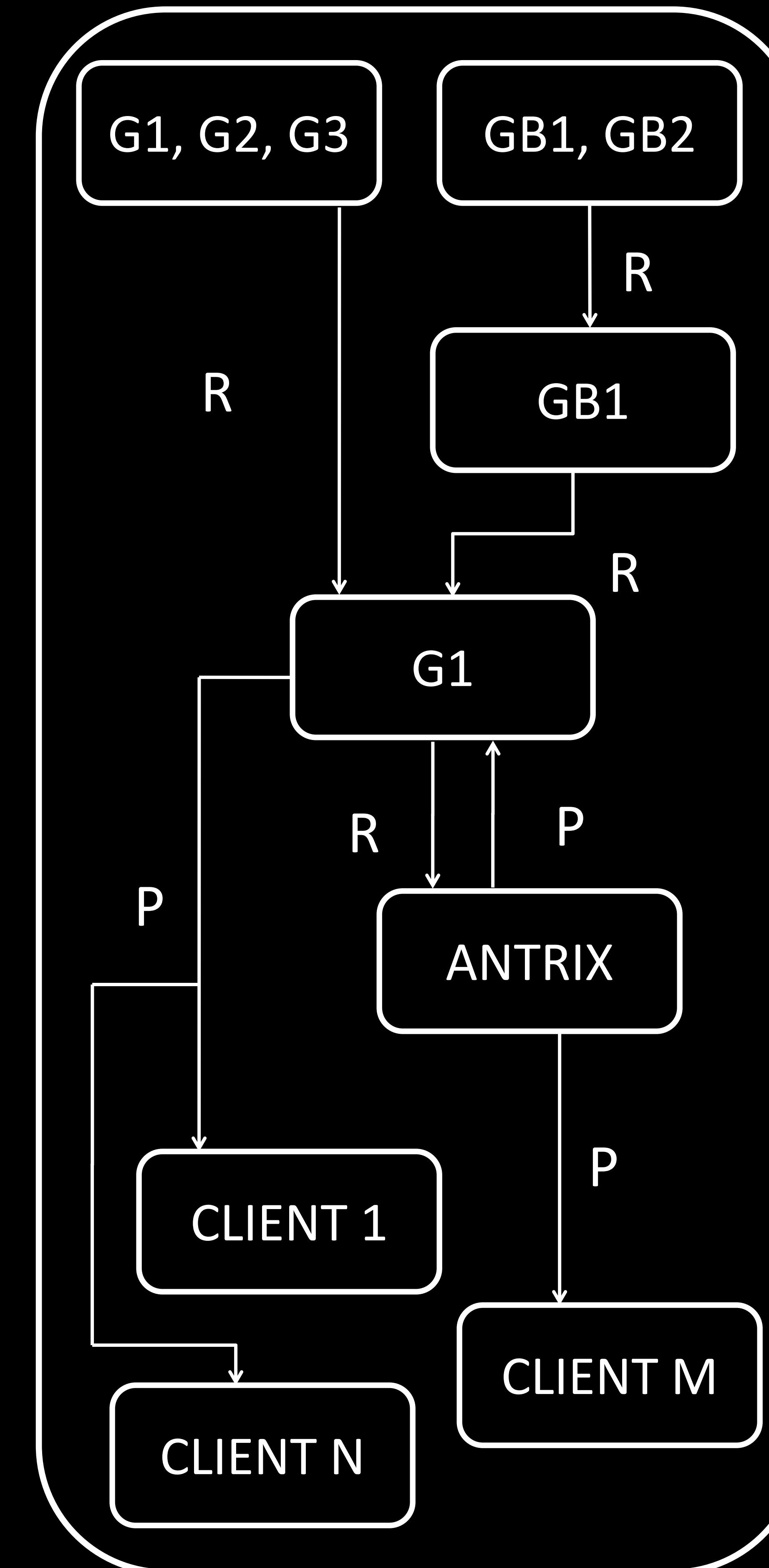
Graph shows the fluctuations in the agriculture industry..

Implementation Details

3U satellite with an IR camera to capture thermal images for an orbit inclination of 28 degree at a height of 800 km will be the service provider.



Frequency of data transmission



Data flow
R – raw data
P – processed data

Tentative clients

- | | |
|-------------------------------|-------------------------------------|
| 1. NIAEM , India | 5. HC Comercio Exp. Ltda |
| 2. Spectrum Industries, India | 6. Los Grodo |
| 3. KVG, India | 7. Monte Pascoal and Dona Flor |
| 4. LIC and L&T , India | 8. Itau Unibanco and Banco Bradesco |

Acknowledgements

1. Central statistical Office, RBA, India
2. Parikshit , Student Satellite Team of Manipal , India
3. STK software for simulations

Finance

The net cost incurred for setting up of ground stations and satellite making is 4.6 M\$. Considering the capital required, clients will be contacted in early stages. With different pricings for different end users according to their requirements, expected turnover is 5.184 M\$ for two years.

Conclusion

Success of this plan can make a difference in social and economic structure of the country. With positive response from this business plan, other African countries that fall in the same orbit can be included as a part of future endeavors.

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