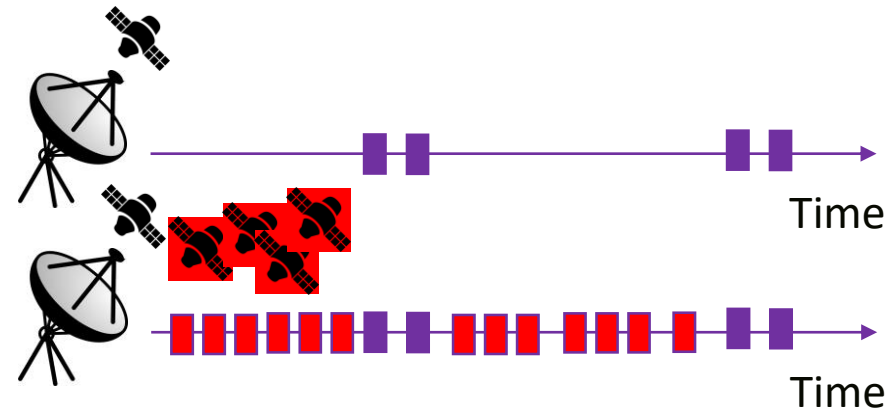


22<sup>nd</sup> October, 2016  
Group Discussion Session

Group 5:  
Collaborators meeting for new ground station network  
experiment

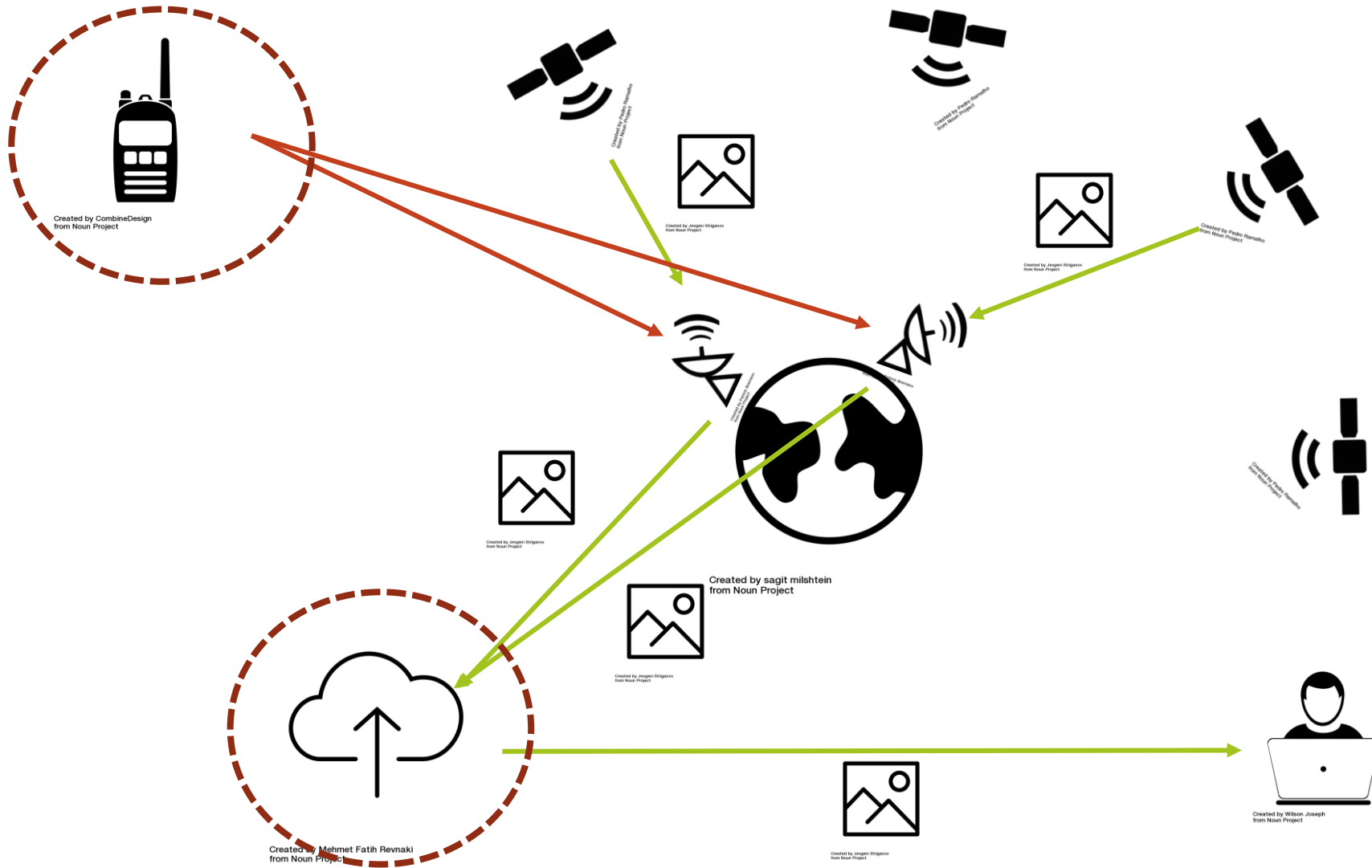
- Need ground station network as infrastructure, such as the Internet.
- How to create? → Apply “Sharing Economy” concept



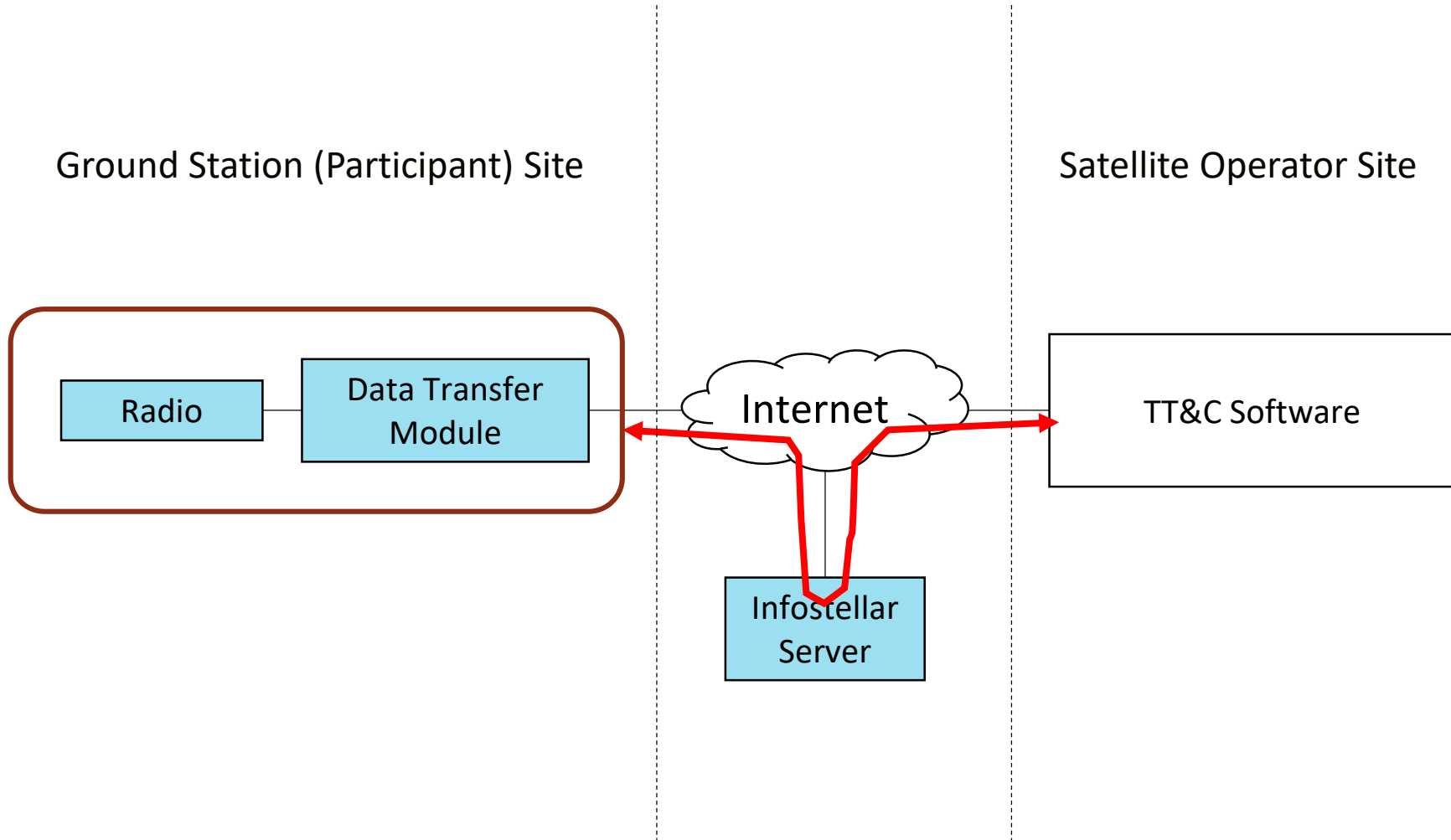
- How to be a sustainable network?

→ Charge for private business. (Running cost)

→ Return free/cheap pass usage for contributor, who share their antenna's idling time. (Network growth)

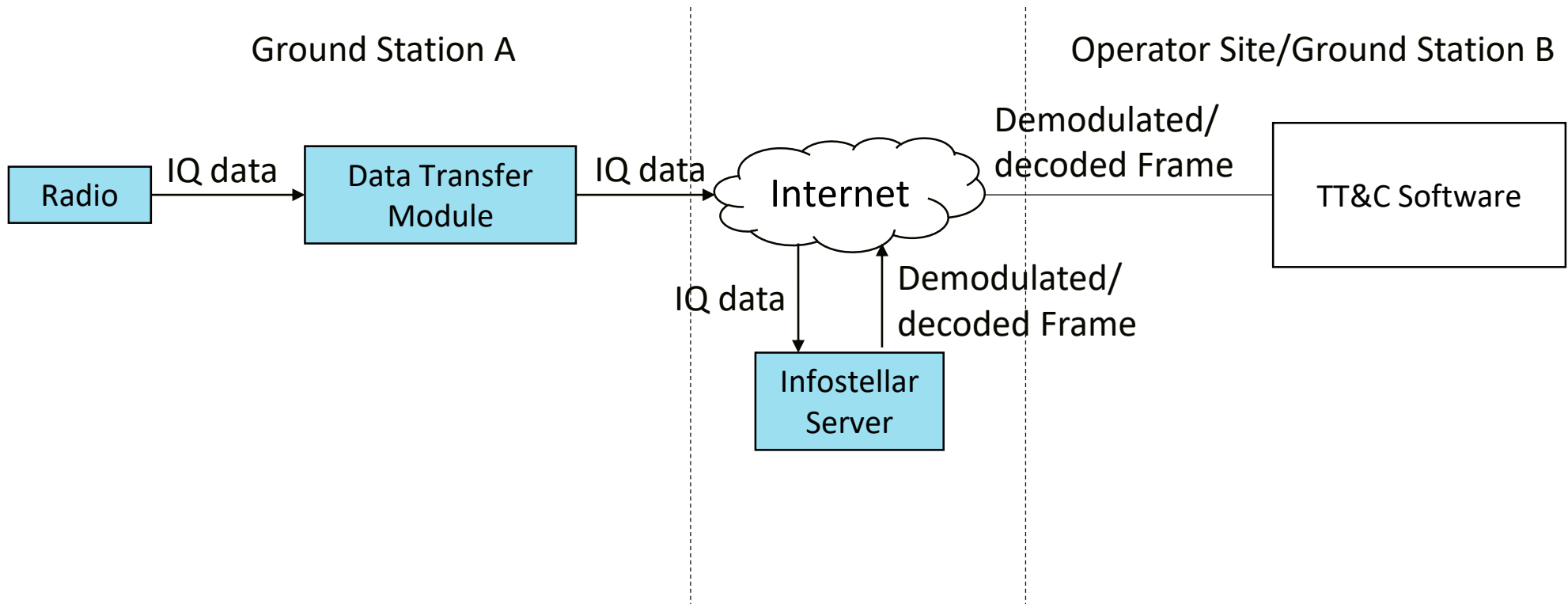


Provide connections between antenna-ground server-satellite operator



\*Infostellar provides modules indicated in blue boxes

- To correspond variety of satellite communication protocol, modulation/demodulation and coding/decoding process is done in cloud server.



# Experiment Plan

	Project	Schedule	Leader	GS	Spec
1 <sup>st</sup>	BIRDS	2016. Nov.-Dec. Installation 2017. Feb. – Operation	Kyushu Institute of Technology, Japan. Prof. Cho	Japan, Taiwan, Thailand, Ghana	Downlink: 430 MHz (Amateur) Uplink: 140 MHz
2 <sup>nd</sup>		2017. Mar.-Apr. Installation 2017. Jun. – Operation		+ 5 GS	

- Share information
  - Ground station specification and activities
  - Frequency coordination and radio law situation in each country
  - 1<sup>st</sup> experiment introduction
- Discuss next ground station network experiment

Thank you



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# Agenda

- Self-Introduction and information sharing
- Brain Storming
  - Ground station network use case
  - Issues