Planet Live Q&A Session

3:40
How can Planet data be turned into LULC for something like the Rohingya crisis so it can be used for numerical simulations to understand the hydrologic impacts of the camps?

6:00
Will land surface reflectance data (Planet and RapidEye) be available prior to 2018? And if not, how do you recommend atmospheric corrections of your legacy data? Thanks!

7:20
1) We were granted access to Planet Labs Imagery for our Capstone Project. Are we able to present our findings in an open / public forum? 2) We are trying to identify vessels that are fishing illegally, but are finding limited satellite imagery in deep sea. Is there a good place / time with coverage?
https://www.planet.com/markets/education-and-research/

10:10
I am interested in an issue raised recently by Andrew (Zolli). In a press article - https://www.devex.com/news/taking-a-space-age-approach-to-food-security-92223 - he is quoted as follows: So although we're in a "revolutionary period" where we've got all the satellite imagery we need to solve the problem, that alone cannot give all the answers, said Zolli: "What we don't have, and where the bottleneck is, is really good, high-quality, gold-standard labelled ground data." My question is how does Planet plan to address this? Thanks.

12:20
Is there enough demand to offer a reflectance product for RapidEye imagery, similar to that of PlanetScope? If so are there any technical challenges in introducing this?

13:50
How can you access SR data?

14:30
Reason for response 401 for a clip request. Error appearing in a loop over. A series of images.
https://developers.planet.com/
https://developers.planet.com/docs/api/reference/

16:20
Can you please give detailed information about the Education and Research Program, in terms of data usage, users, etc
1. Tell me more about the Investigator license. 2. I cannot make the session, but would like to hear the recorded version...how do I do that? Thanks!

18:45
Is it possible to discuss collaborations with Planet, Human Rights Watch, and other humanitarian organizations for LULC projects related to Rohingya?
https://www.hrw.org/news/2018/02/23/burma-scores-rohingya-villages-bulldozed
www.planet.com/disasterdata

https://www.planet.com/markets/emergency-management/

21:45
Would it be possible to have a tutorial for researchers who are not familiar with the Planet Earth API (or any API for that matter)?
https://developers.planet.com/docs/quickstart/getting-started/
devex@planet.com

23:35
Is anyone else working on forestry, forest inventory or invasive (tree) species? I would just like confer with anyone else working on similar applications…
As your data becomes more valuable and prevelent, I suspect active denial and deception will match.
Can you discuss privacy and data integrity at Planet?

27:00
Interaction on Google Earth Engine
Is there a plan to allow academic users access to Planet imagery directly via Google Earth Engine without the need to download to a local machine and upload into GEE ?

29:00
How to use an ESRI shapefile as an AOI.
Clip and ship steps
https://developers.planet.com/tutorials/clip-images-to-aoi/
geojson.io

31:20
Availability of different spectral bands in planet lab cube sats
https://www.planet.com/pulse/publications
https://www.planet.com/pulse/publications/sensor-fusion-of-planet-landsat-and-modis-data-for-unprecedented-land-surface-monitoring/

33:35
When will the Raster Toolkit be released and will Investigator Accounts have dependable, long-term access? Will surface reflectance "analytic-sr" products be back-processed for old Planetscope imagery (pre-2018)? When can we expect the new api release (the Early Access program) that allows simpler activation and download of batches of imagery and direct download to Amazon S3? I've seen quite a few images that have quality issues (striping) that are not flagged in the udm mask, is Planet aware of and working on flagging these images? What are some alternative ways to filter to remove these images and does Planet have any cookbooks or guidelines for doing so? All of these questions are crucial to a current grant funded project I'm a part of!

36:00
E&R Slack Channel
chase@planet.com

36:40
Does planet collect field data related to vegetation? and is that available in some way?

38:25
TOA BOA
Is it possible to convert planet images to reflectance?
https://developers.planet.com/tutorials/convert-planetscope-imagery-from-radiance-to-reflectance/

39:55
What are reliable ways to use time series data from Planet Scope satellites - causes and possible solutions for day-day variation in reflectance? How accurate is the atmospheric correction of the surface reflectance products, and can the parameters be accessed through an API? How can I find out my remaining quota when downloads have been performed through API?

46:35
I'm trying to set up a project to investigate the possibility of using Planet data to monitor road traffic volume in London. I have a project proposal that I've submitted to my department to request funding for a PhD student to work on the idea. In our university, especially in the engineering departments, it is a big help for us in securing funding for PhD projects if we can get a letter of support from industry. Would Planet be able/willing to help in providing such support? What would be the best way to go about this?

50:05
- What sort of data will be available from Planet for the Stanford Big Earth Hackathon?
- Will surface reflectance data be available?
- Are there any specific challenges that Planet would suggest teams work on?
Data access and manipulation; project idea advice!

51:20
I'm interested in the work done to correct for the atmospheric column to get the surface reflectance from the radiance. Thanks.
devex@planet.com

52:35
How to detect clouds in images?

53:10
Have all the SR images been put up in the catalog?

53:50
Who is the Planet point person for matching up PS datasets to tag on the ground status?

54:30
Is there a technical document for SR algorithm?
https://assets.planet.com/marketing/PDF/Planet_Surface_Reflectance_Technical_White_Paper.pdf