Toward a Transparent Planet

Andrew Zolli | Global Impact Initiatives
Pope Benedict in 2005
Pope Francis in 2013
Mission 1: image the whole Earth, every day, and make global change visible, accessible, and actionable.
Illegal Gold Mining in Peru – Jan 2016
Illegal Gold Mining in Peru – May 2016
MADRE DE DIOS: MARINA DE GUERRA DESTRUYÓ CAMPAMENTOS

INTERVENCIÓN PRETENDE ACABAR CON MINERÍA ILEGAL
Characterizing Rapid Urban Change in Dar es Salaam
Astonishing time-lapse satellite imagery shows rapid growth of refugee camps

By Max Bearak  September 19  

ADJUMANI, UGANDA
February — August 2016
RAPID DEFORESTATION
Bolivia

July 29, 2016
From “Big Data” to “Big Indicators” to “Big Instruments”
Measuring Economic Participation in Nigeria

Combining satellite imagery and machine learning to predict poverty

Neal Jean, Marshall Burke, Michael Xie, W. Matthew Davis, David B. Lobell, Stefano Ermon

Science; 19 Aug 2016; Vol. 353, Issue 6321, pp. 790-794
DOI: 10.1126/science.aaf7594

Nigeria, estimated daily per capita expenditure (2012-2015)

Average daily per capita consumption expenditure ($)
Predicting Smallholder Productivity in Kenya and Nigeria
Tip and Cue

3 meters everywhere
80 centimeters tasked
2 centimeters tasked
Thank you!

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