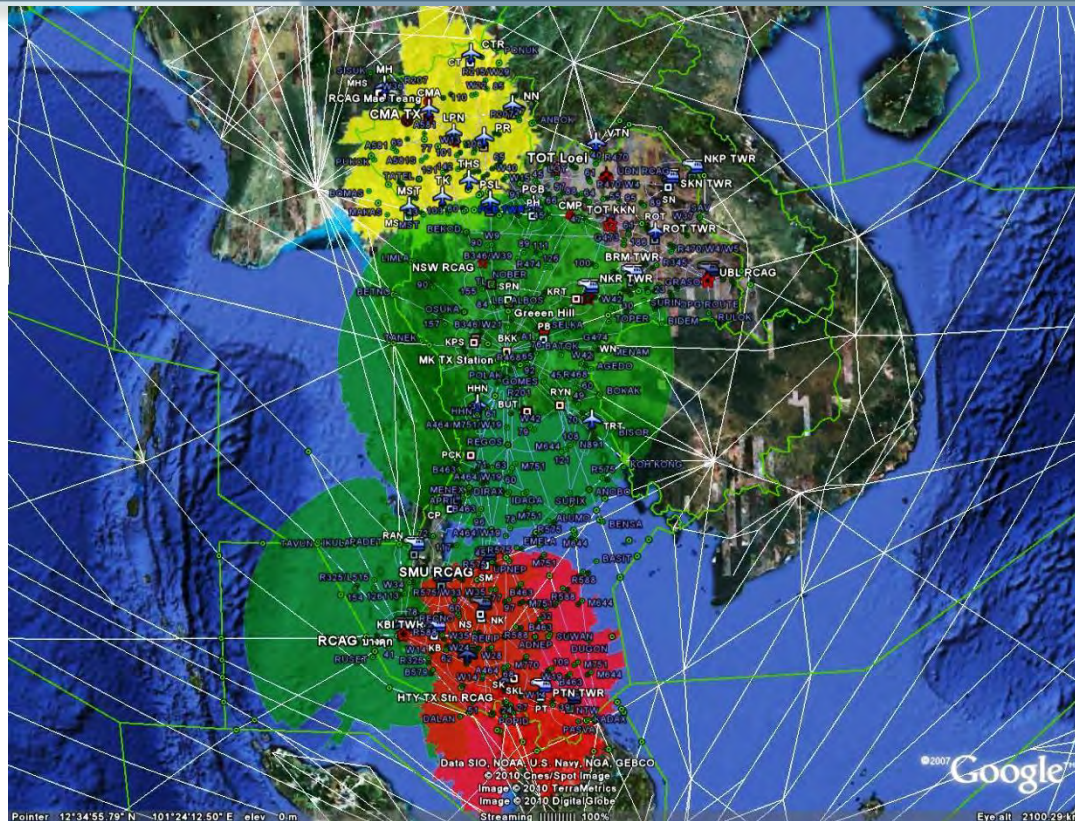




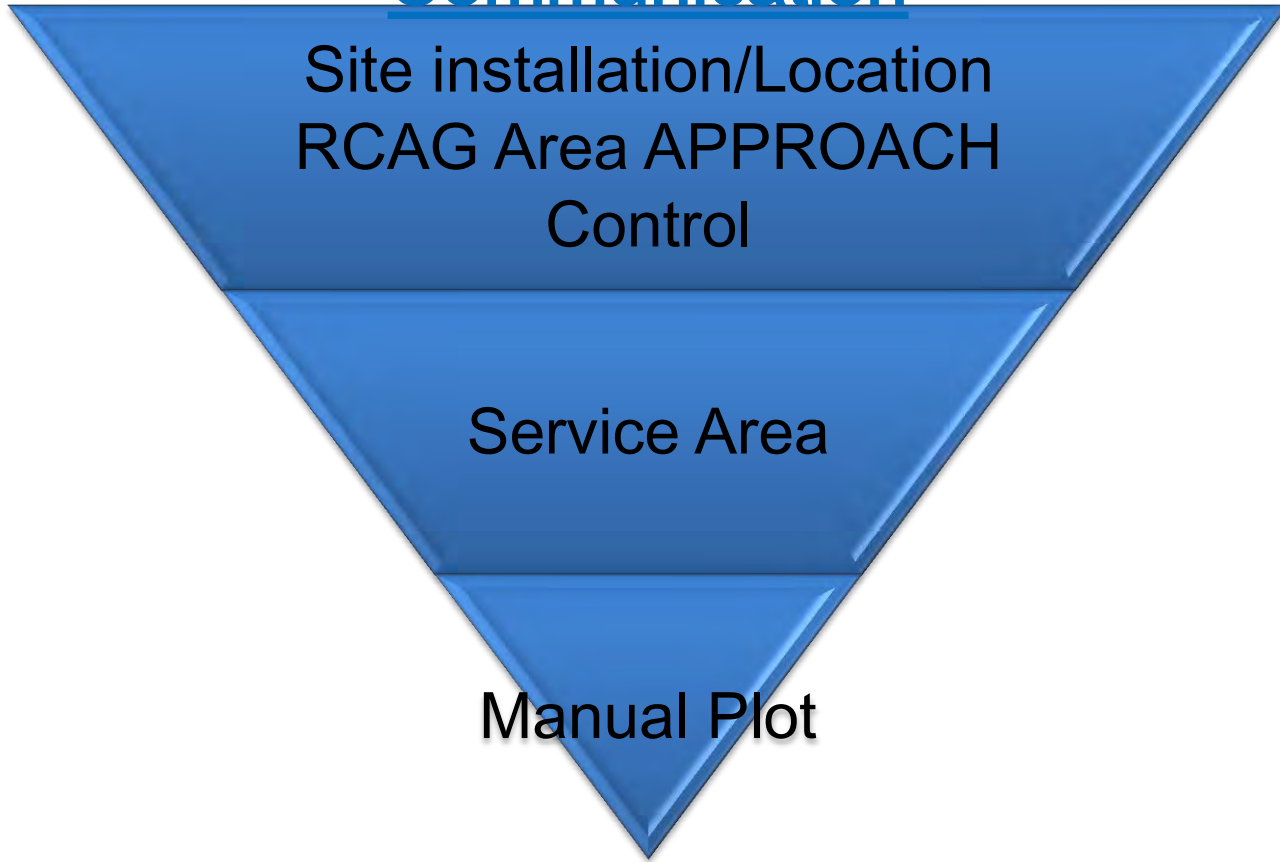
# Air Traffic coverage service plot by Radio Mobile Software





# Backgro und

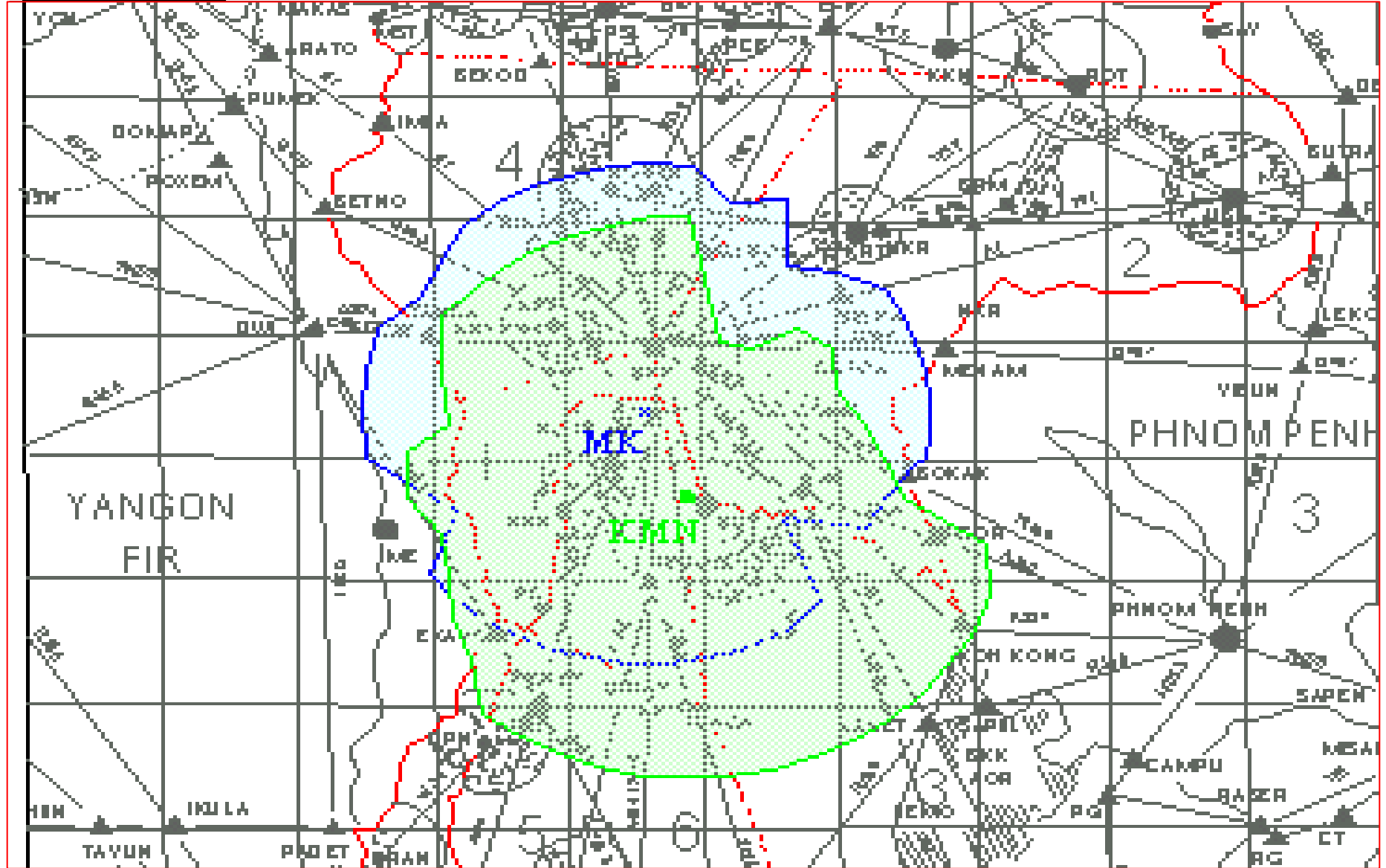
## Aerothai Ground to Air Communication





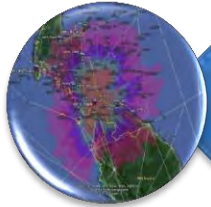
# Manual plot map

## Backgro





# Purpose



- For calculate air service area to make decision to install radio remote site.



- Reduced time to make a map by manual plot.



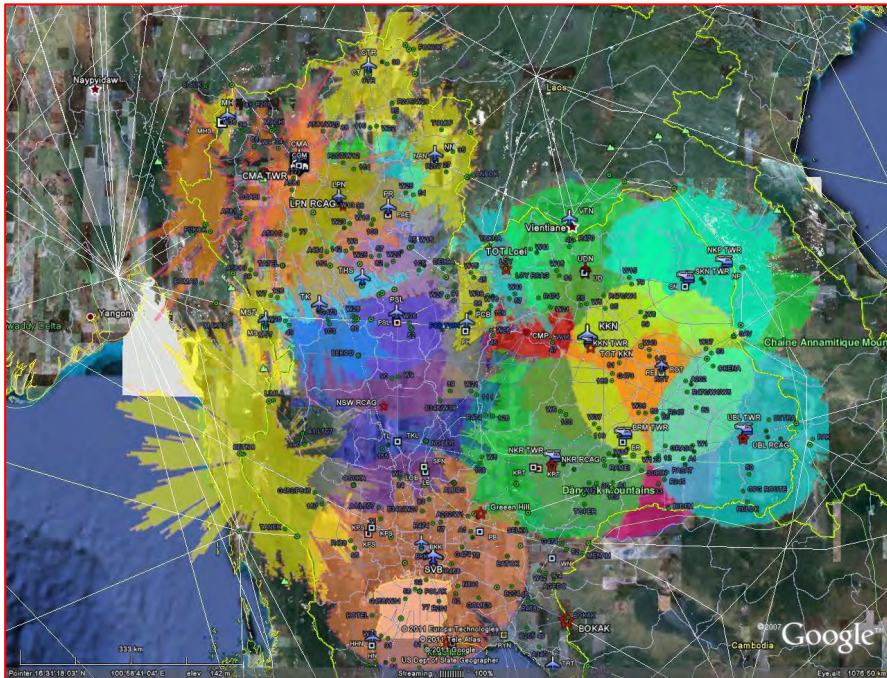
- To make more reliability of map data by using geographic data from satellite.





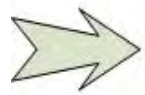
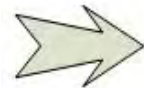
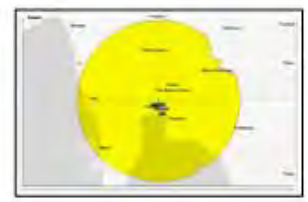
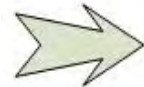
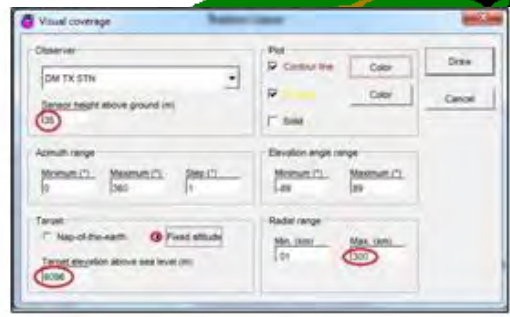
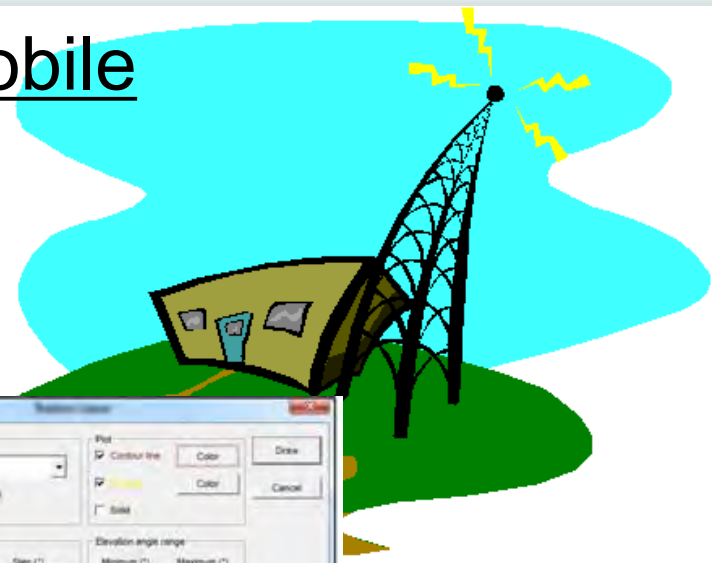
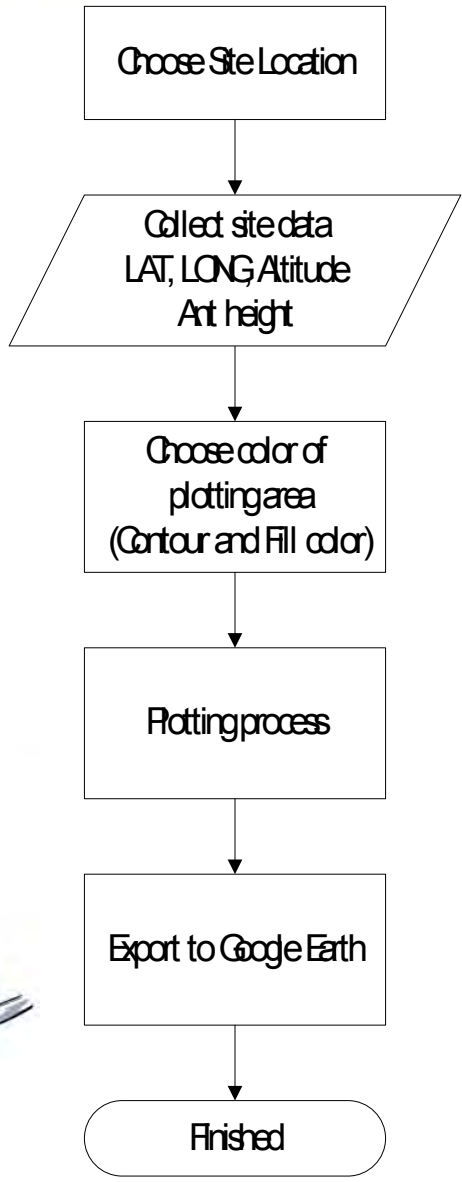
# Software Radio Mobile

- Software “Radio Mobile” is Freeware by Roger Coudé (VE2DBE)
- From [http://www.g3tvu.co.uk/Radio\\_Mobile\\_Setup.zip](http://www.g3tvu.co.uk/Radio_Mobile_Setup.zip)
- Elevation Map  
<http://srtm.csi.cgiar.org/SELECTION/inputCoord.asp>





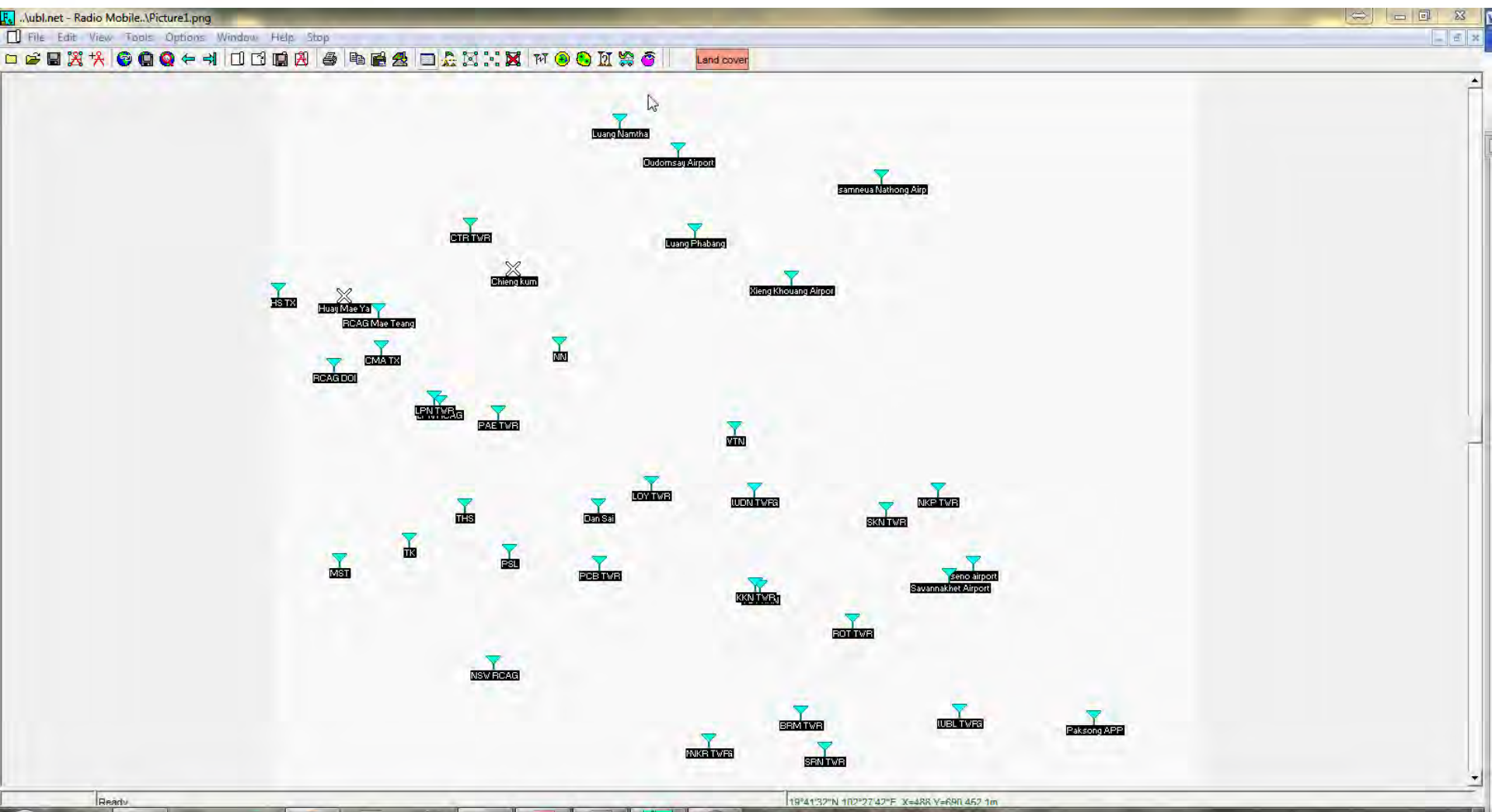
# Software Radio Mobile







# Software Radio Mobile





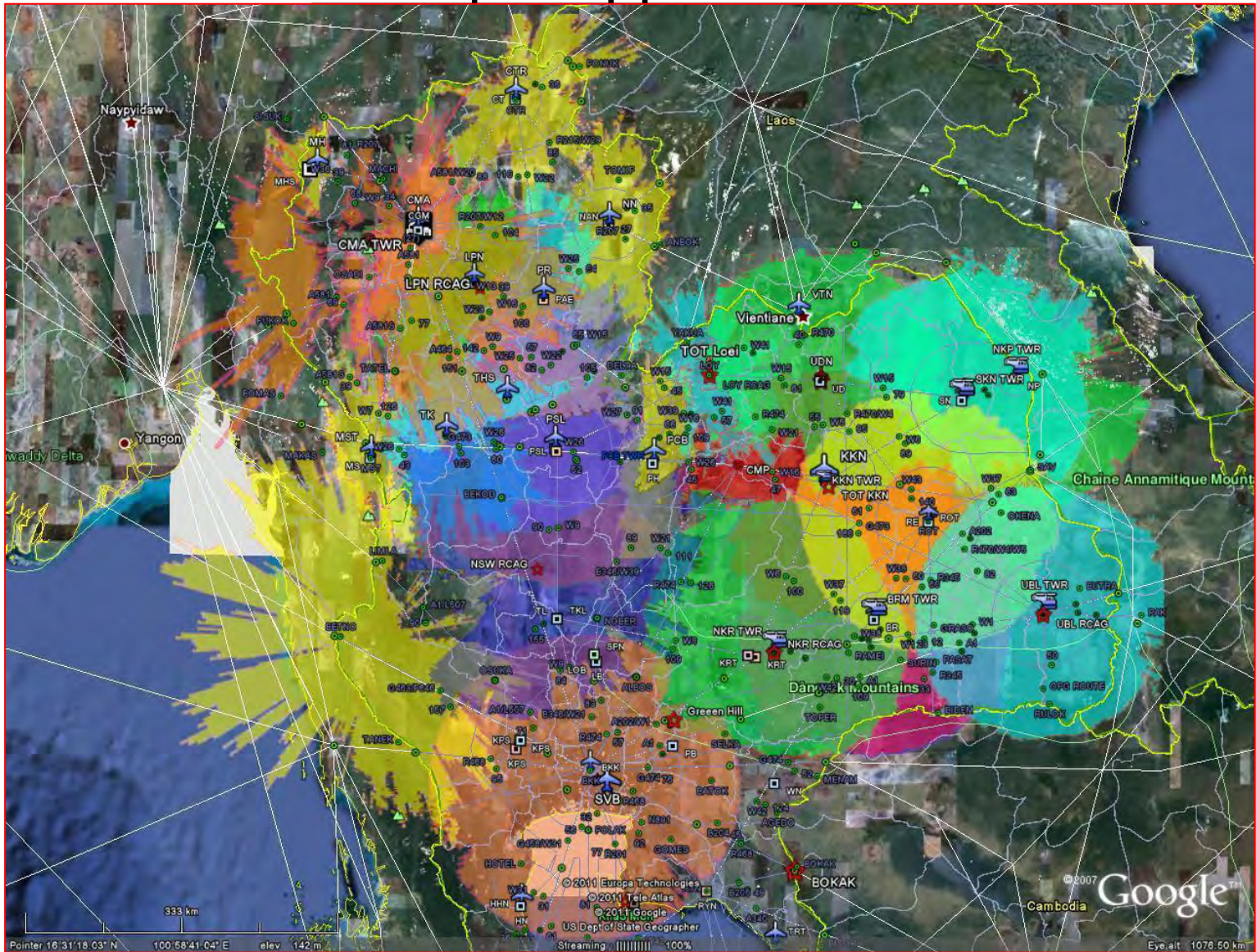
# Software Radio Mobile

The screenshot displays the Google Earth Pro interface. The main map shows Southeast Asia with a dense network of green and yellow lines representing radio frequency paths. Key locations labeled include Phnom Penh, Ho Chi Minh City, and various airports like Pakse and Savannakhet. An 'Open' dialog box is overlaid on the map, showing a file explorer for the 'App Centre Lao' directory. It contains two KML files: 'VTN LOS 10000 Ft.kml' and 'VTN LOS 12000 Ft.kml'. The 'File name' field is empty, and the file type is set to 'Google Earth (\*.kml \*.kmz \*.etx)'. The 'Open' and 'Cancel' buttons are visible at the bottom of the dialog. The Google Earth interface includes a search bar, a toolbar, and a status bar at the bottom showing coordinates and elevation.





# Example Application

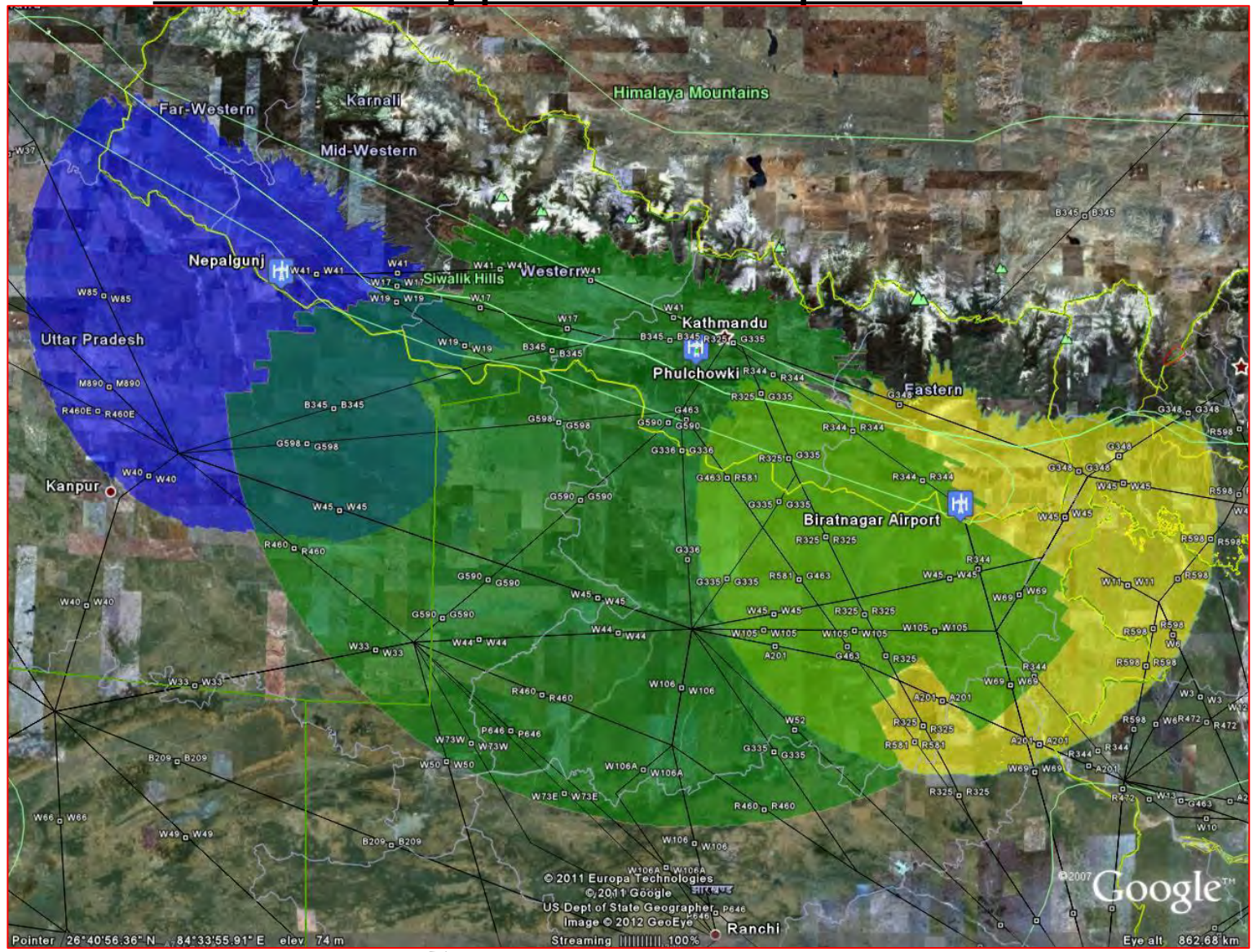


## Plot Coverage for FIAS Project





# Example Application Nepal TMA

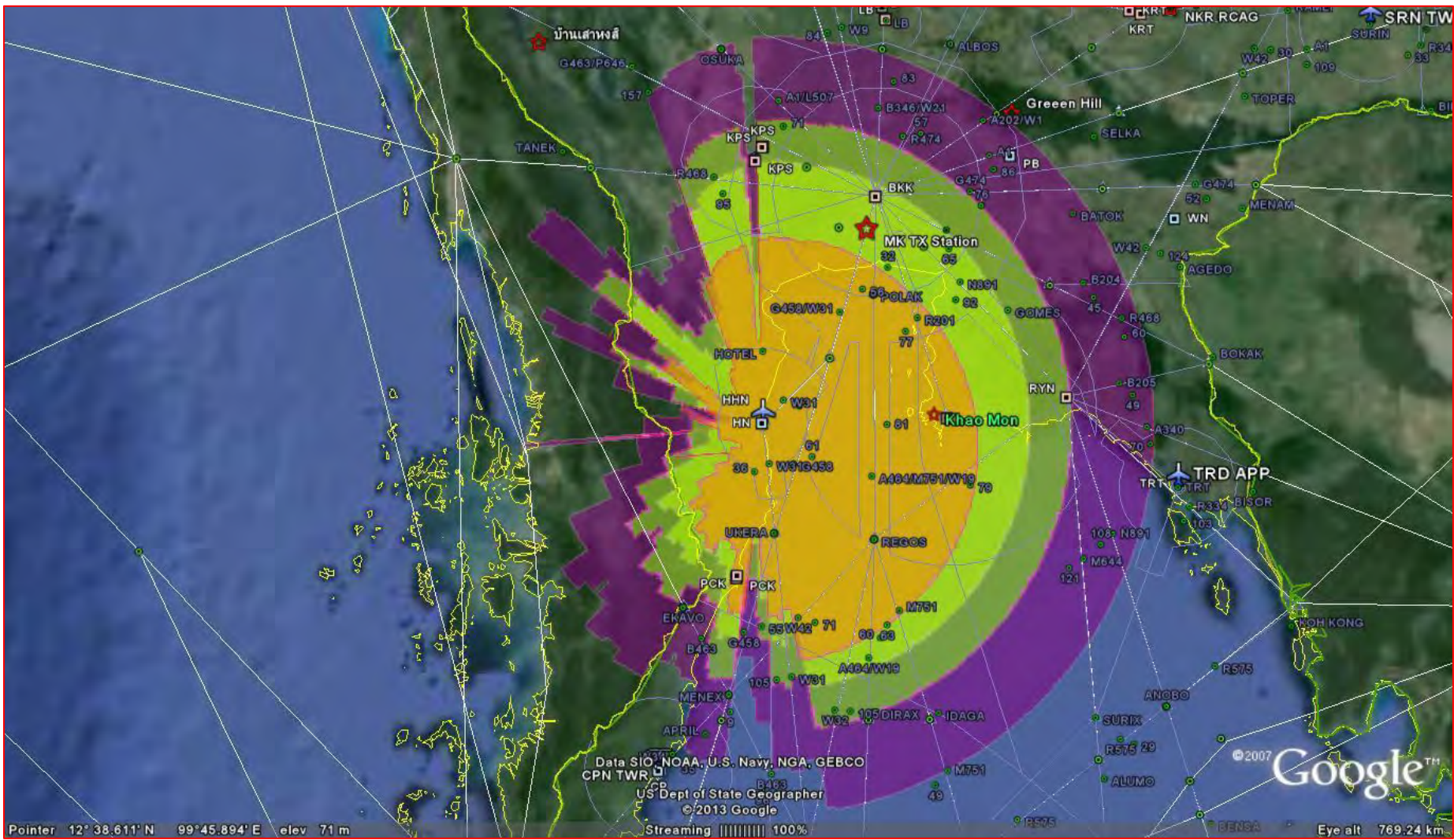


การ Plot Coverage โครงการ Nepal TIA ของกองธุรกิจ





# Example Application

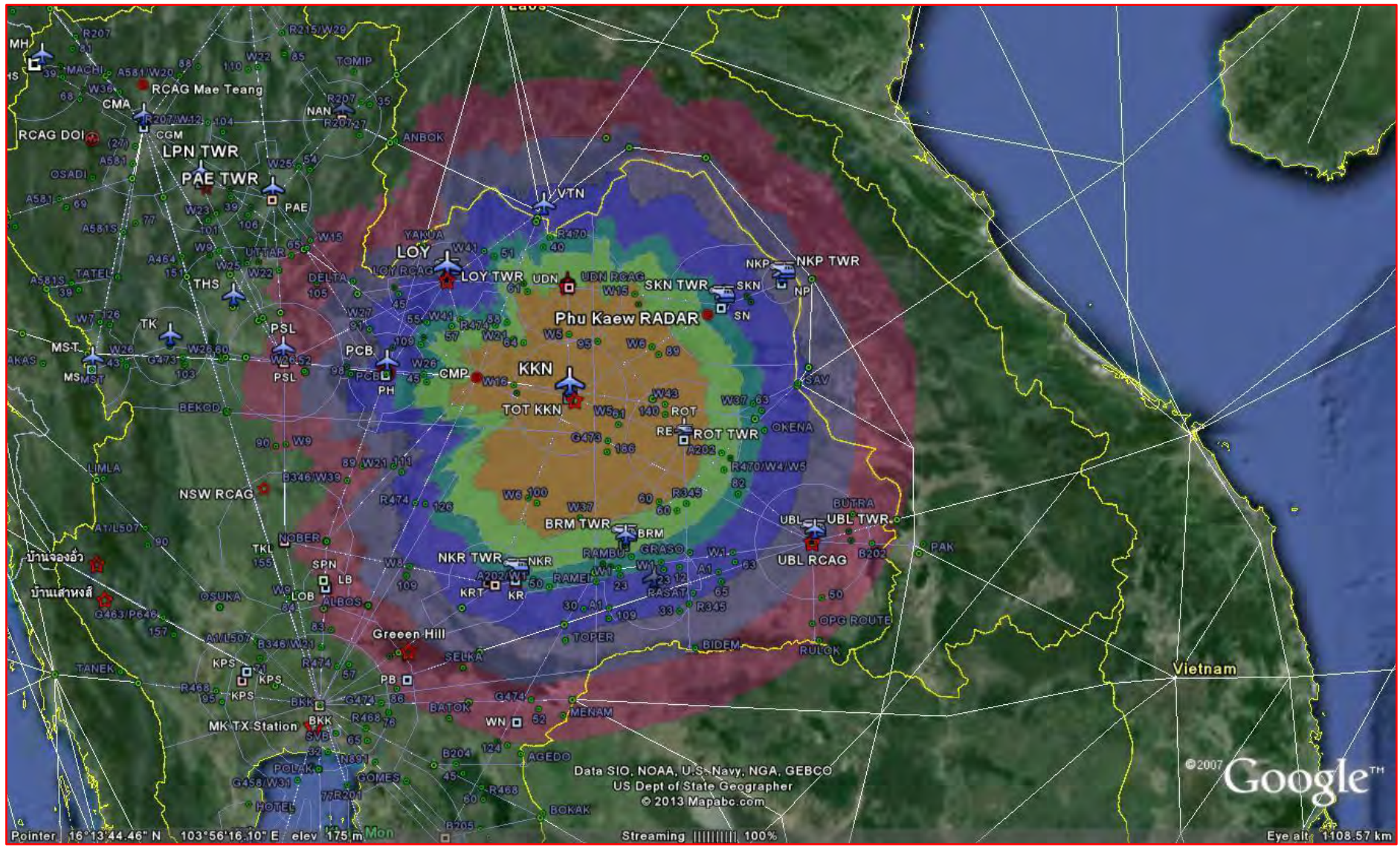


Plot Coverage for Huahin APPROACH Control





# Example Application

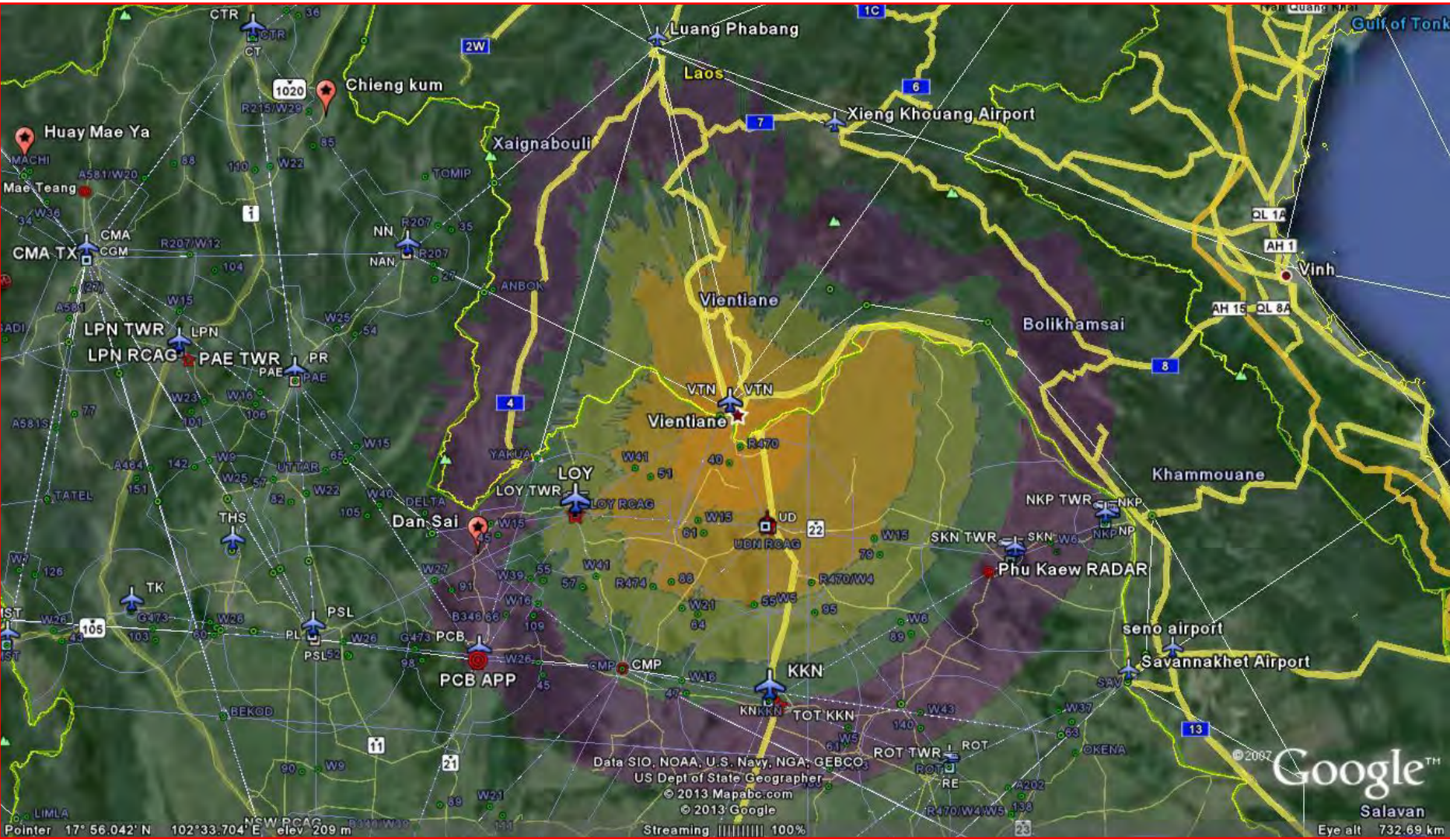


Plot Coverage for Konkean RCAG AREA Control





# Example Application

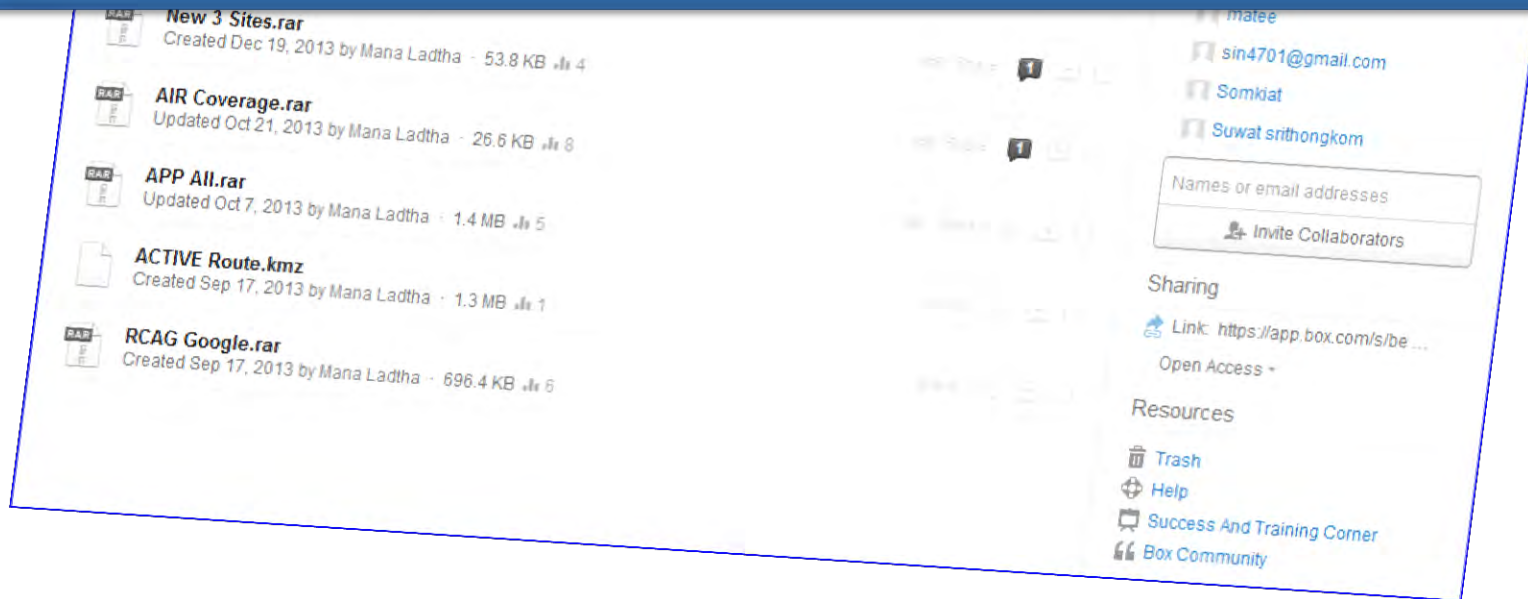


Plot Coverage of LAOS Approach control (2014)



# Data publishing

The full plotting map of approach and area control in Thailand are sharing on <https://app.box.com/s/bec2q44rbdywawcx1rjd>

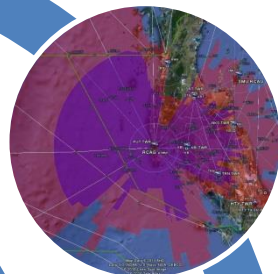






# Data publishing

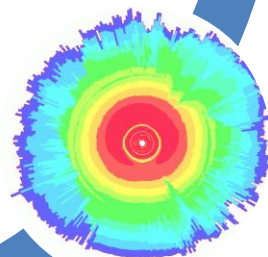
Data of RCAG Area  
, RCAG Approach  
and Tower Control  
coverage will be file  
.jpg .kml .kmz and  
.png



\*.JPG



\*.KMZ &  
.KML



\*.PNG



# Problem and solution

Freeware  
(Complicated  
Setting)

Single source  
map download

Error  
Plotting / Cannot  
add terrain





# Conclusions

Reduce cost  
to buying  
software

Display  
air traffic  
control  
area



Data has  
more  
reliability,  
proven by  
real usage

Reduce  
engineer  
working  
time



Applied for  
more  
application

Improve  
decision  
maker for  
ATC







THANK YOU

merci, grazie, spasiba, kam ouen, gratzias, manana, mahalo, hvala, cheers, toda, gracias, kitos, welalin, grassie, thank you, danki

mahalo, danki, thanks, takk, domo arrigato, gracias, danke, kitos, gratitude, merci, na gode, mesi, dankon, modupe, talofa, miigwetch, takk, dziekuje



**AEROTHAI** Aeronautical Radio of Thailand  
วิทยุการบินแห่งประเทศไทย จำกัด

# Q&A



PresenterMedia 