



NORAD supported project in MRRD covering
Capacity Building and Institutional Cooperation in the
field of Hydrogeology for Faryab Province
Afghanistan

GIS Course 4.6 Advanced Online GIS Maps

By Andreas de Jong
October 2015



PURPOSE OF THIS COURSE

The main purpose of this course is to:

- a) Review the maps participants produced since the last course & address any questions/issues.
- b) Introduce some 'advanced' topics:
 - Making maps of 'live' online data
 - Embedding maps in web sites.



KEY REFERENCES

ESRI ArcGIS Online: <https://www.arcgis.com/features/>

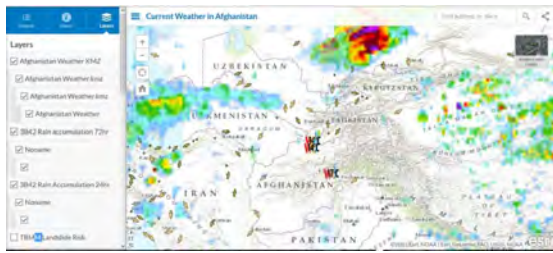
Documentation: <http://doc.arcgis.com/en/arcgis-online/index.html>

Online Training: <http://www.esri.com/training/main> &
<http://learn.arcgis.com/en/projects/get-started-with-arcgis-online/>

Blog: <http://blogs.esri.com/esri/arcgis/category/arcgis-online/>



EXAMPLE OUTPUT BY END OF COURSE



Live Weather map of Afghanistan



What you will need for this course



Internet (Fast!)



Internet Browser



MS Access



MS Excel



ArcGIS 10.0

Lat	Long	Location	Altitude
33.000000	65.000000	Deland Air Base	1000
33.000000	65.000000	Deland Air Base	1000
33.000000	65.000000	Deland Air Base	1000
33.000000	65.000000	Deland Air Base	1000
33.000000	65.000000	Deland Air Base	1000
33.000000	65.000000	Deland Air Base	1000
33.000000	65.000000	Deland Air Base	1000
33.000000	65.000000	Deland Air Base	1000
33.000000	65.000000	Deland Air Base	1000
33.000000	65.000000	Deland Air Base	1000

Your own data & coordinates



Tentative Course Schedule

Day	Date	Activity
1	Tuesday 27/10/2015	Opening & Introduction
		Presentation: Review of Online GIS Mapping
		Workshop: Presentation of participants of Online GIS maps produced since the last training course (4.5). Questions & Answers
2	Wednesday 28/10/2015	Practical 1: Inclusion of live data in ArcGIS Online
		Practical 2: Embedding ArcGIS Online to web sites
		Workshop: Discussion on the practical implementation of online GIS maps in Afghanistan.



GIS Course 4.6 – Advanced Online GIS Maps

1. Review of ArcGIS Online Courses
2. ArcGIS Online & 'Live' Internet Data
3. Embedding ArcGIS Online Maps in Websites

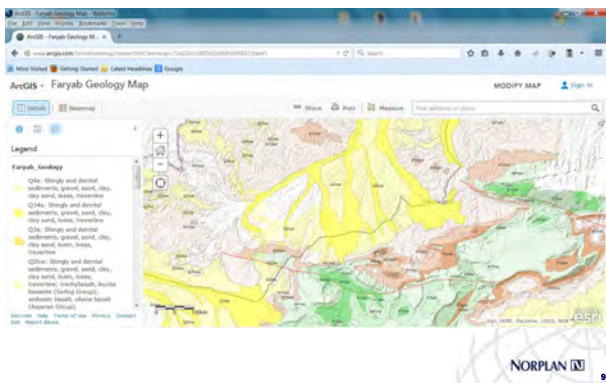


Course 4.4: Learning ArcGIS Online

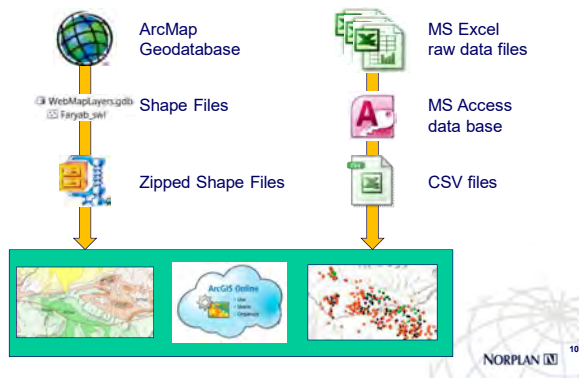


<http://learn.arcgis.com/en/projects/get-started-with-arcgis-online/>

Course 4.5: Making Online GIS Maps



Course 4.5: Making Online GIS Maps



Course 4.6: Review of Maps & Advanced Topics



GIS Course 4.6 – Advanced Online GIS Maps

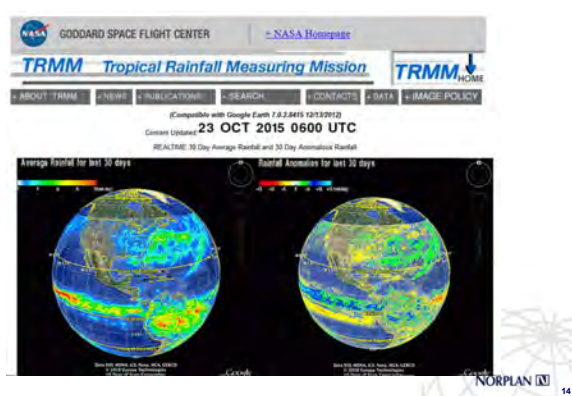
1. Review of ArcGIS Online Courses
2. ArcGIS Online & 'Live' Internet Data
3. Embedding ArcGIS Online Maps in Websites



Live Internet Data – Earthquakes from USGS



Live Internet Data – Rainfall from TRMM



Live Internet Data – Wild Fires from GFIMS



Global Fire Information Management System (GFIMS)

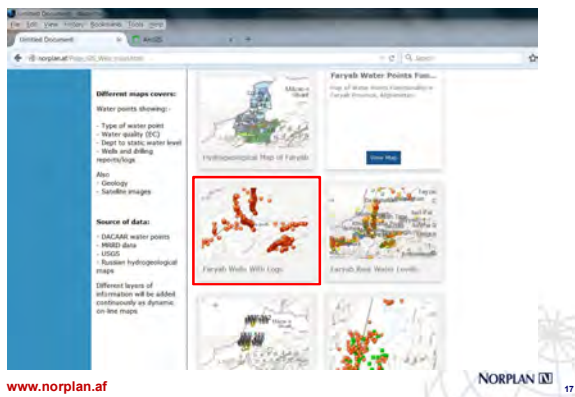
NORPLAN

GIS Course 4.6 – Advanced Online GIS Maps

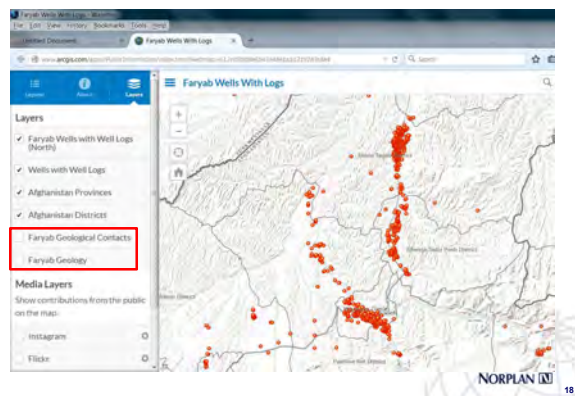
1. Review of ArcGIS Online Courses
2. ArcGIS Online & 'Live' Internet Data
3. Embedding ArcGIS Online Maps in Websites



Access ArcGIS Online via a web site



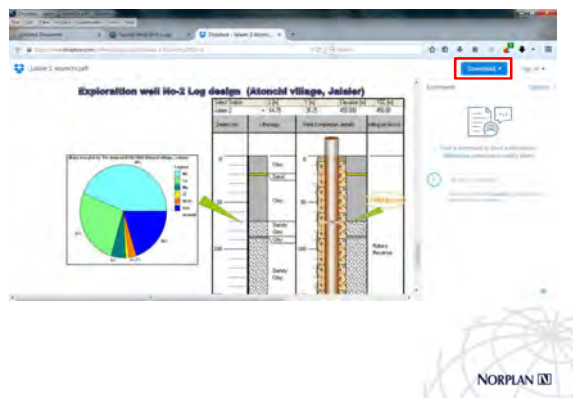
Access ArcGIS Online via a web site



[illegible]

The screenshot shows the 'Faryab Wells with Log' application. The sidebar on the left contains a 'Layers' section with a list of layers: 'Faryab Wells with Well Logs (North)', 'Wells with Well Logs', 'Afghanistan Provinces', 'Afghanistan Districts', 'Faryab Geological Contacts', and 'Faryab Geology'. Below this is a 'Media Layers' section with a note 'Show content buttons from the public on the map' and two buttons, 'Instagram' and 'Flickr', each with a corresponding icon. The main map area displays a topographic map of Faryab province, Afghanistan, with a red dot indicating a well location. A pop-up window shows details for 'Jalair 2 deep bore (Afghanco village)', including coordinates, elevation, and other metadata.

Access ArcGIS Online via a web site



Workshop:

Discussion on the practical implementation of online GIS maps in Afghanistan



**Thank you
for your attention!**