



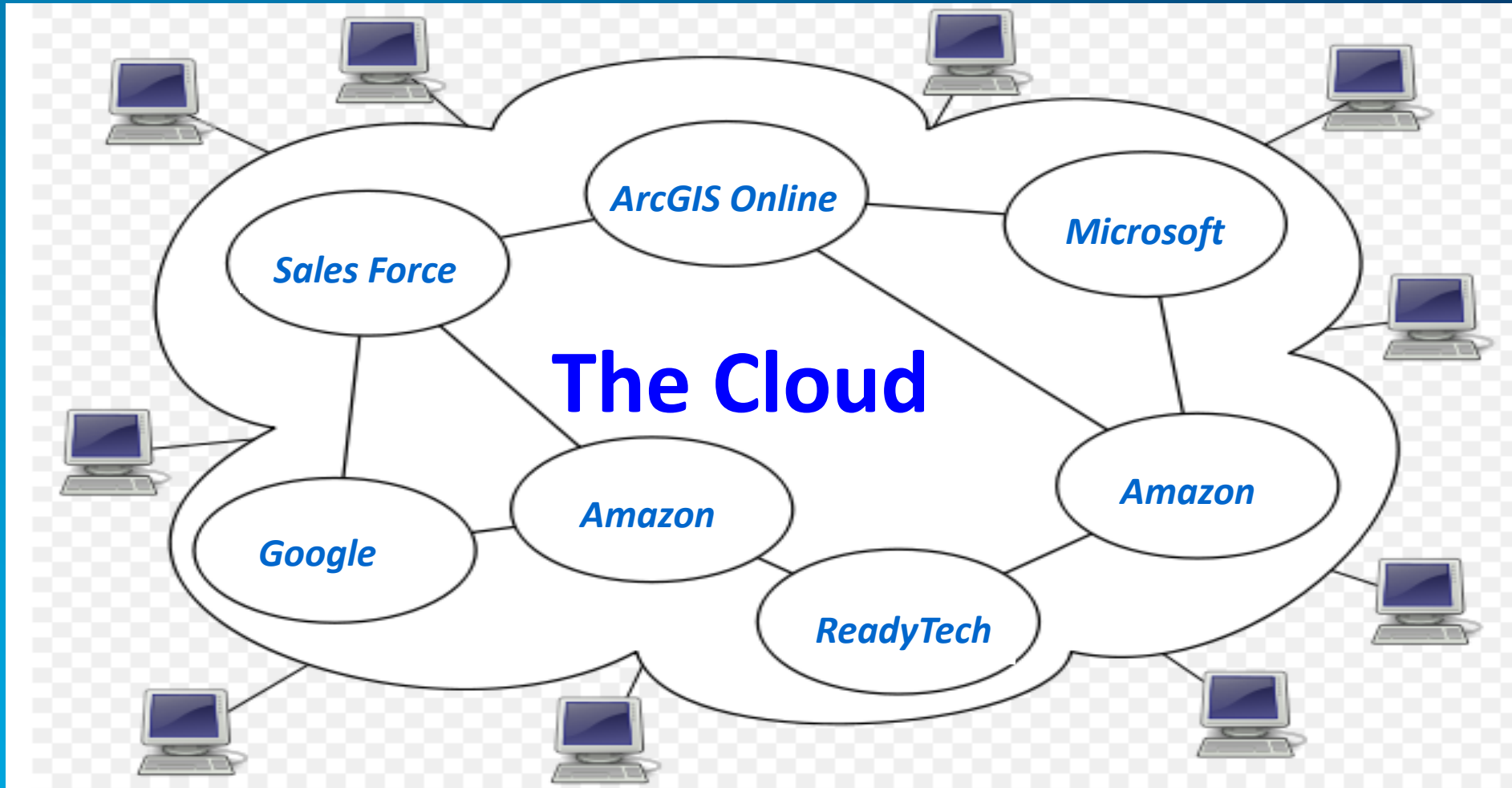
# What Every Manager Needs to Know About Cloud GIS

John Thieling

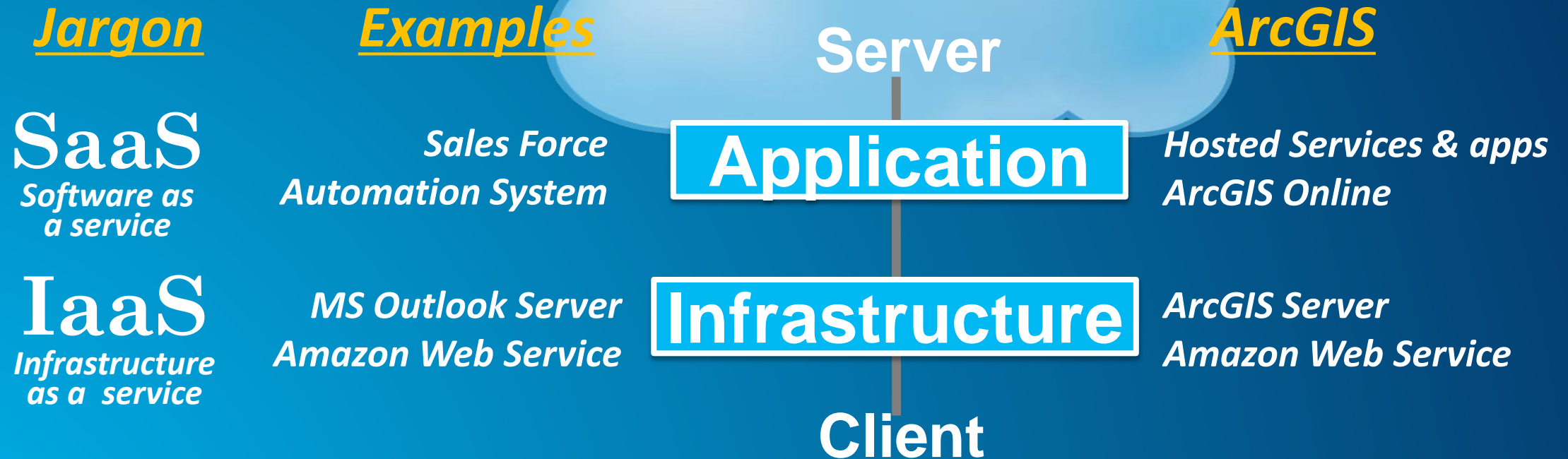
## Big three questions...

- **What is it?**
- **Why should I care?**
- **How much does it cost?**

# Web services in the cloud



# Cloud GIS: Two flavors...



ArcGIS Online Organizations

# Hosted services & apps

*Software as a Service*

# ArcGIS Online subscription services



# Working with your ArcGIS Online organization



# ArcGIS Online Organization

Esri's SaaS offering...

The screenshot displays the ArcGIS Online interface. On the left, the 'Esri Education GIS Conference' organization page is visible, including navigation tabs (HOME, GALLERY, MAP, GROUP), a description, and buttons for 'Edit Settings' and 'Invite Users to Organization'. The main area shows a map of the Columbia River region with a 'FishCountsWebMap' application. A 'Halibut' feature is selected, showing a popup with details: Habitat: Saltwater Fish, FishSighted: Halibut, DateSighted: 23.56, and FishCount: 100. Below the map, the 'Members' section is expanded, showing a table of current members. To the right of the members table, the 'Subscription Status' is shown as '9,999 credits remaining' and 'ID: 3507017215'. Below this, there are sections for 'View Status' and 'Find...' with various filters and options.

Name	Username	Date Joined	Role			
A Lee	am.lee	Jul 9, 2012	Administrator			
Ed UC educStudent16	educStudent16	Jul 10, 2012	Publisher			
Ed UC Student 01	educStudent01	Jul 10, 2012	Publisher			
Ed UC Student 02	educStudent02	Jul 10, 2012	Publisher			
Ed UC Student 03	educStudent03	Jul 10, 2012	Publisher			
Ed UC Student 04	educStudent04	Jul 10, 2012	Publisher			
Ed UC Student 05	educStudent05	Jul 10, 2012	Publisher			
Ed UC Student 06	educStudent06	Jul 10, 2012	Publisher			
Ed UC Student 07	educStudent07	Jul 10, 2012	Publisher			



Amazon Web Services

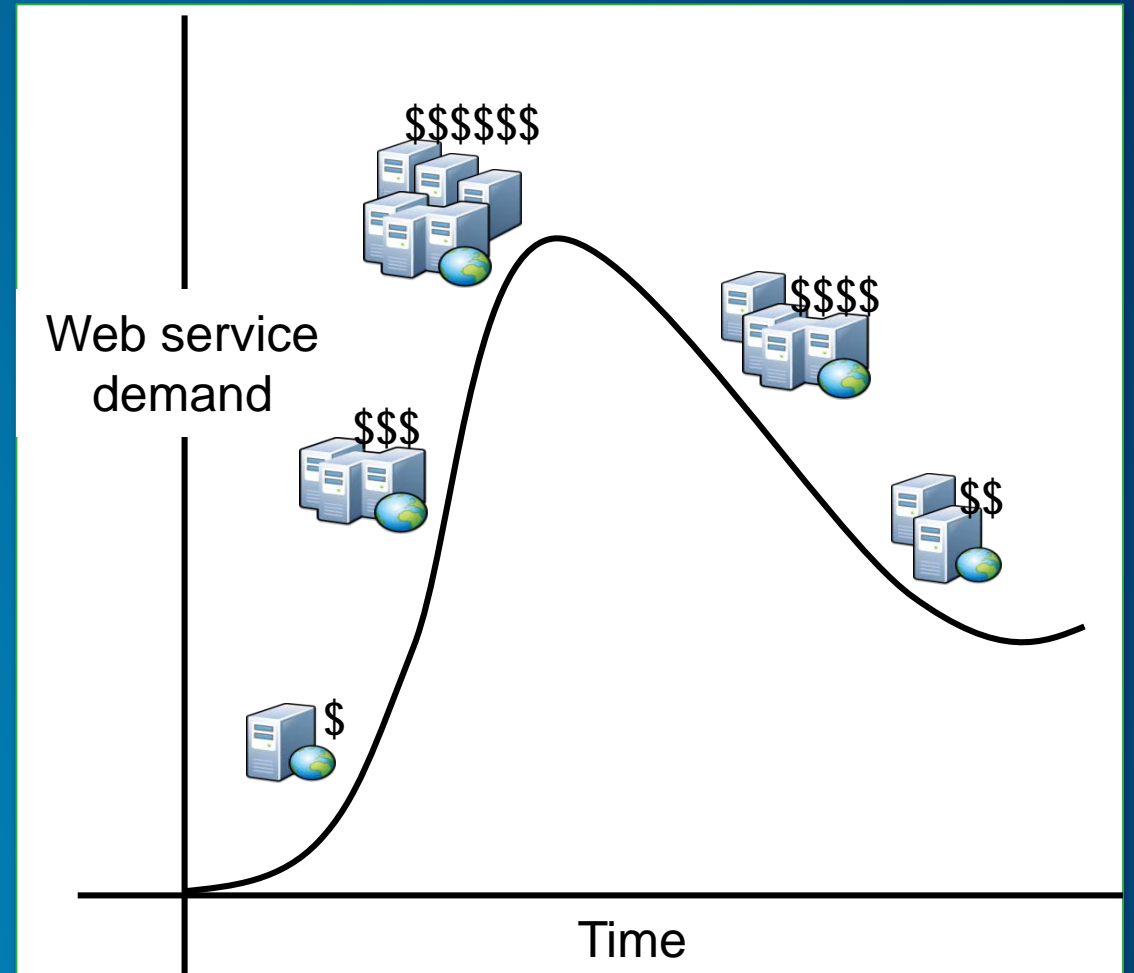
# Hosting ArcGIS Server

*Infrastructure as a Service*

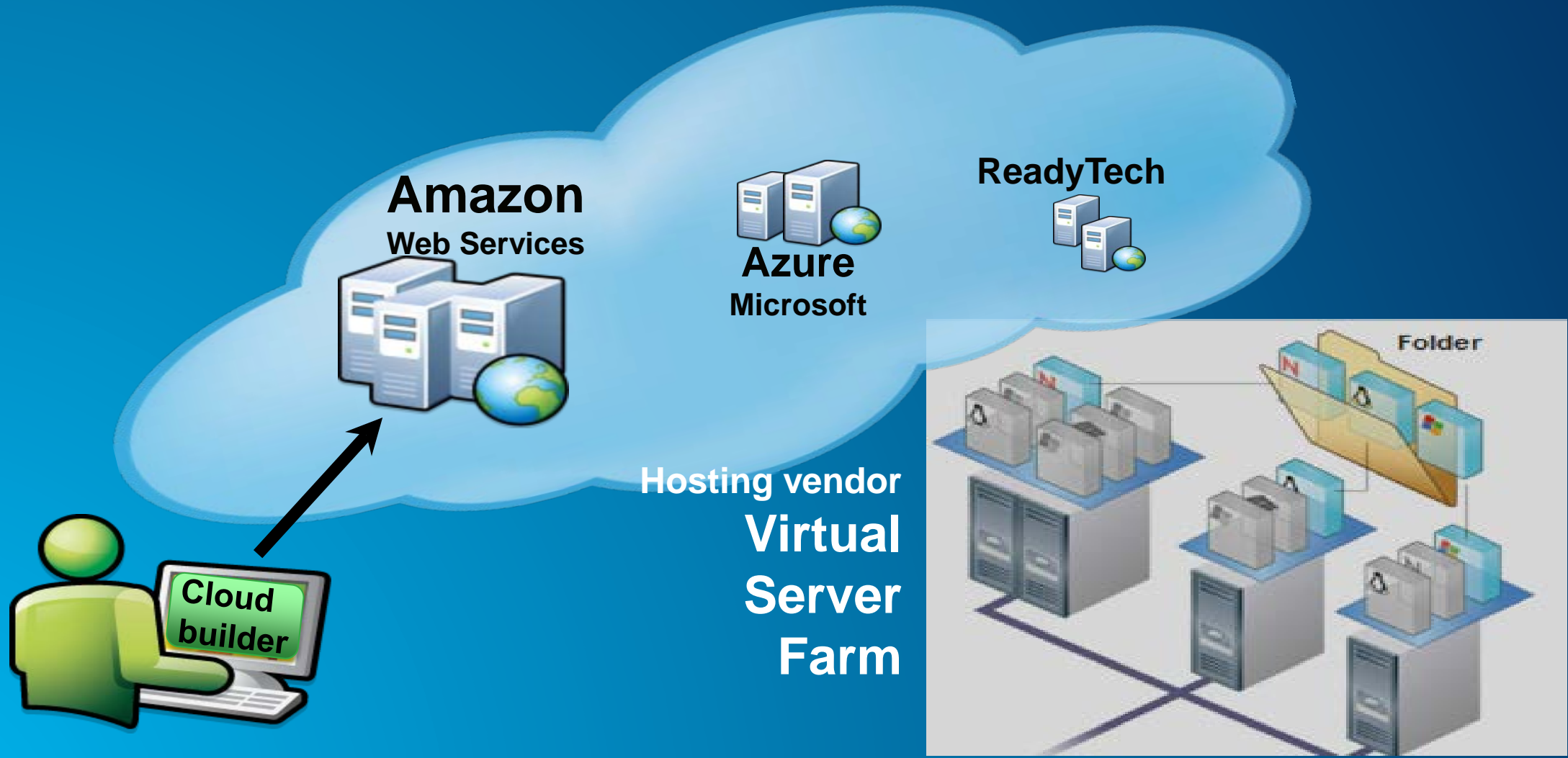
# Benefits of a cloud-based solution



- Rent quick to deploy servers
- Internet out-of-the-box
- Pay as you go elastic scalability
- No *on premises* hardware or system support



# ArcGIS Server in the cloud



## Summary

<b>AWS Service Charges</b>	<b>\$320.27</b>
Usage Charges and Recurring Fees <a href="#">(More Info)</a>	\$320.27
<b>Total new charges for this statement</b>	<b>\$320.27</b>

All charges this month were paid for by AWS Account 2888-5873-1620.

## Details

[Expand All Services](#) | [Collapse All Services](#)

[Printer Friendly Version](#)

<b>AWS Service Charges</b>	<b>\$320.27</b>
----------------------------	-----------------

<b>Amazon Elastic Compute Cloud</b>	<b>\$241.12</b>
-------------------------------------	-----------------

ed (blended price)*	239 Hrs	76.57
ed (blended price)*	22 Hrs	7.02
ed (blended price)*	246 Hrs	80.22
ed (blended price)*	213 Hrs	71.53

### My Sites

Create Site



Template Manager



Help



About



agsBootCamp101

Backups



Start



Update



Delete



General

Settings

Geodatabase

Number of instances

Security

Summary

Number of EC2 instances

1

Enable auto-scaling



(Auto-scaling automatically launches or terminates EC2 instances based on triggers that you define below)

Maximum Number of ArcGIS Server instances

5

Decrease number of instances when CPU usage reaches

20

% for

5

minutes

Increase number of instances when CPU usage reaches

80

% for

5

minutes

# Amazon Web Services

Software demonstration

DEMO

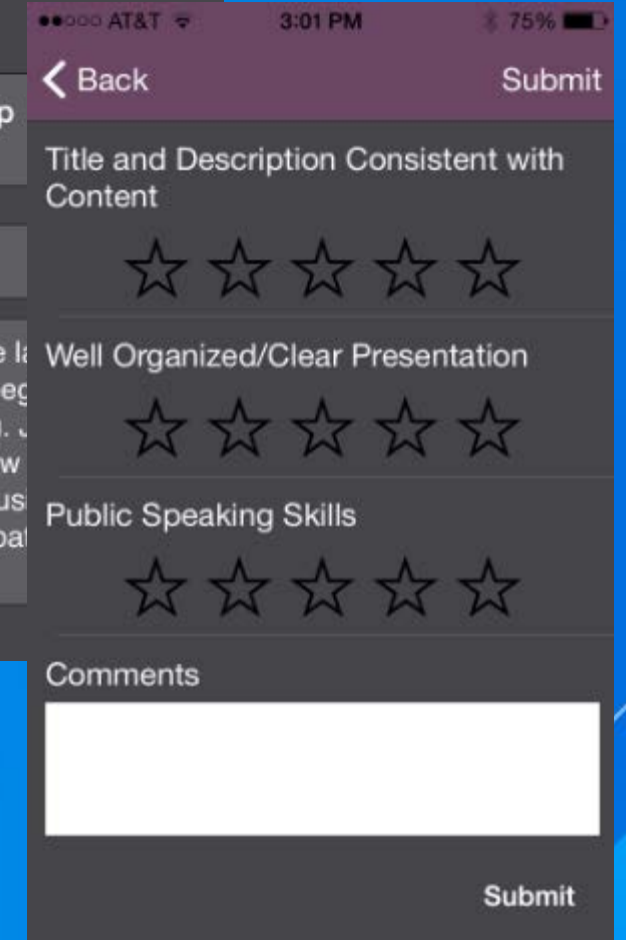
# Thanks for attending!

New Surveys this year!

- **Please fill out the session survey:**
  - Surveys available in Esri Events UC mobile app
  - Click on session title in the agenda, then click Survey link

## Paper – pick up and put in drop box

- Some paper surveys available for those without devices





Understanding our world.