

# VLab Update:

## What's New and What's on the Horizon



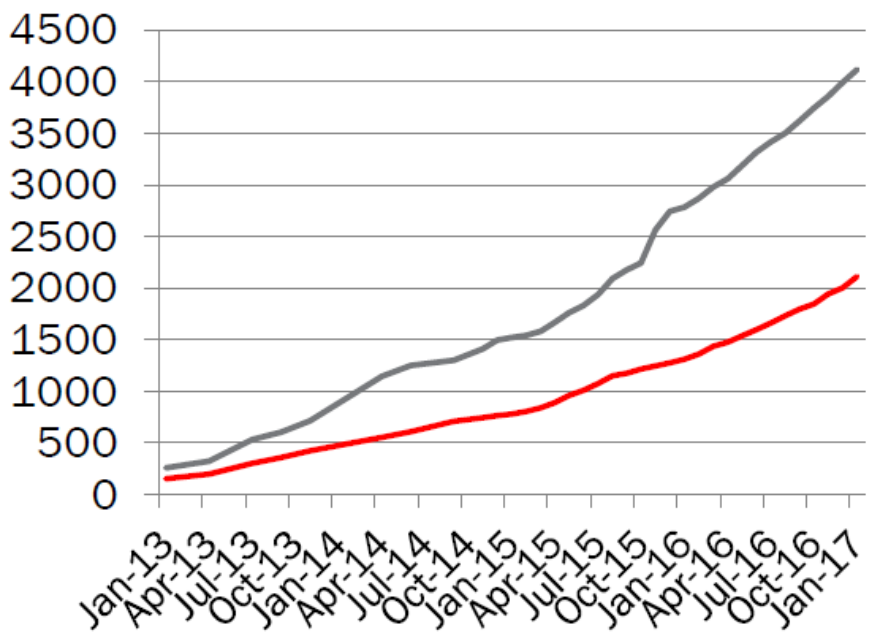
Steve Smith  
Director, NOAA VLab

<https://vlab.ncep.noaa.gov>

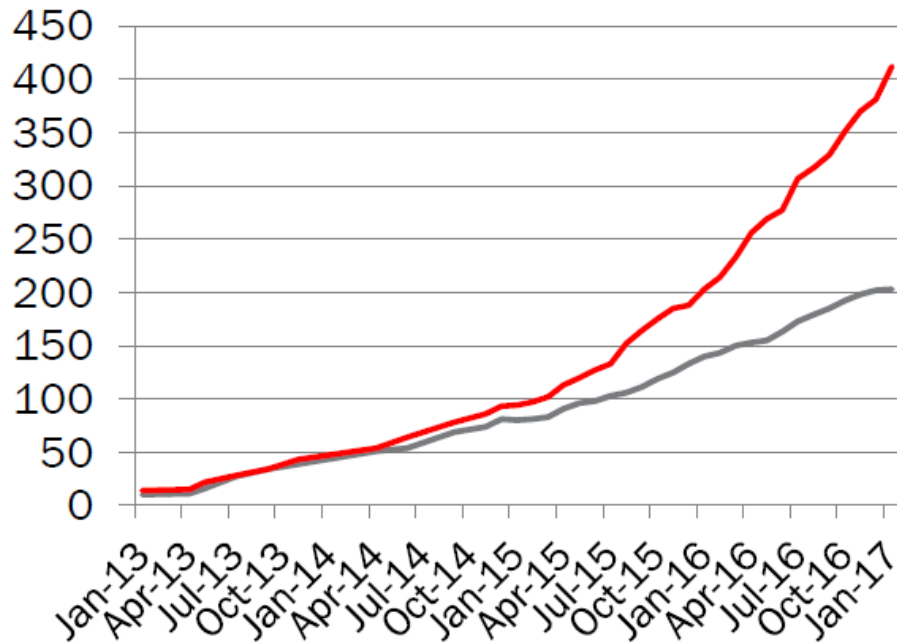
*VLab Forum – March 22, 2017*



# VLab Growth



— Collaboration Services Users  
— Development Services Users

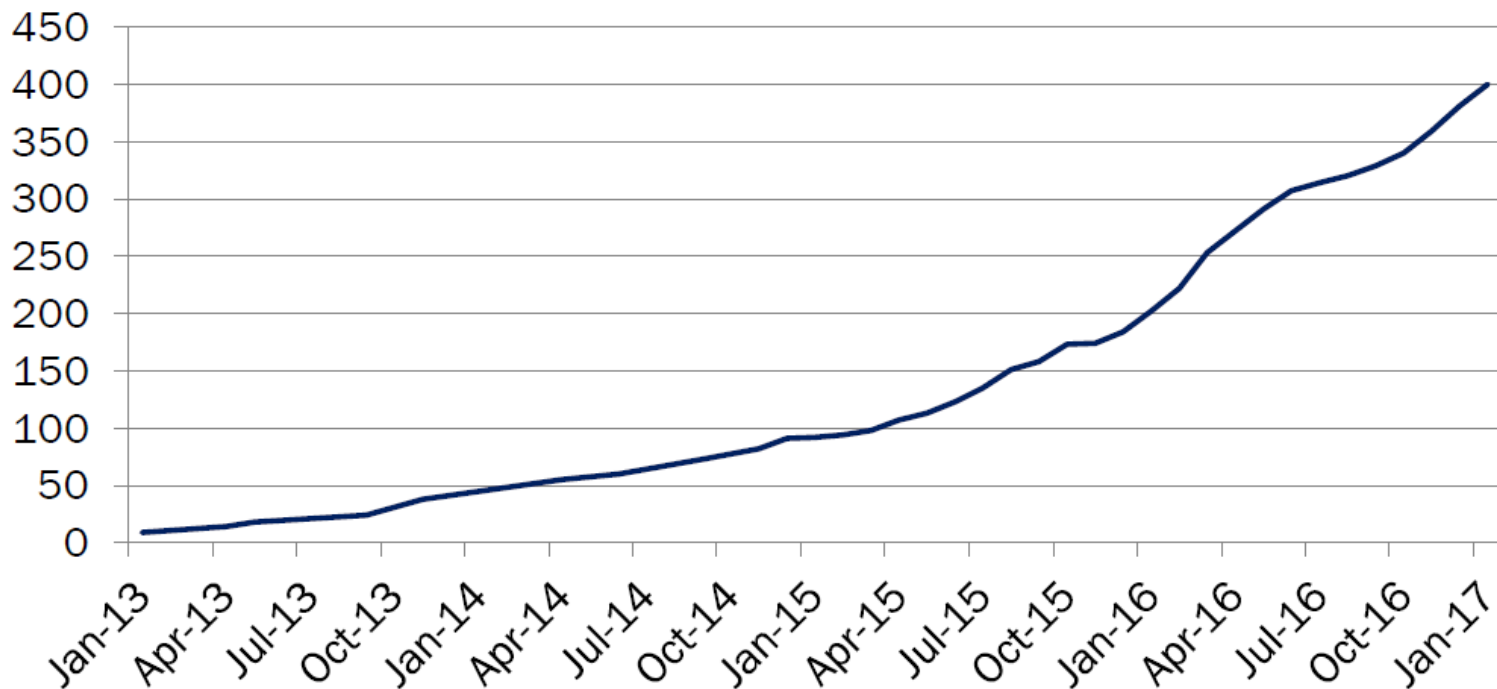


— Communities      — Projects



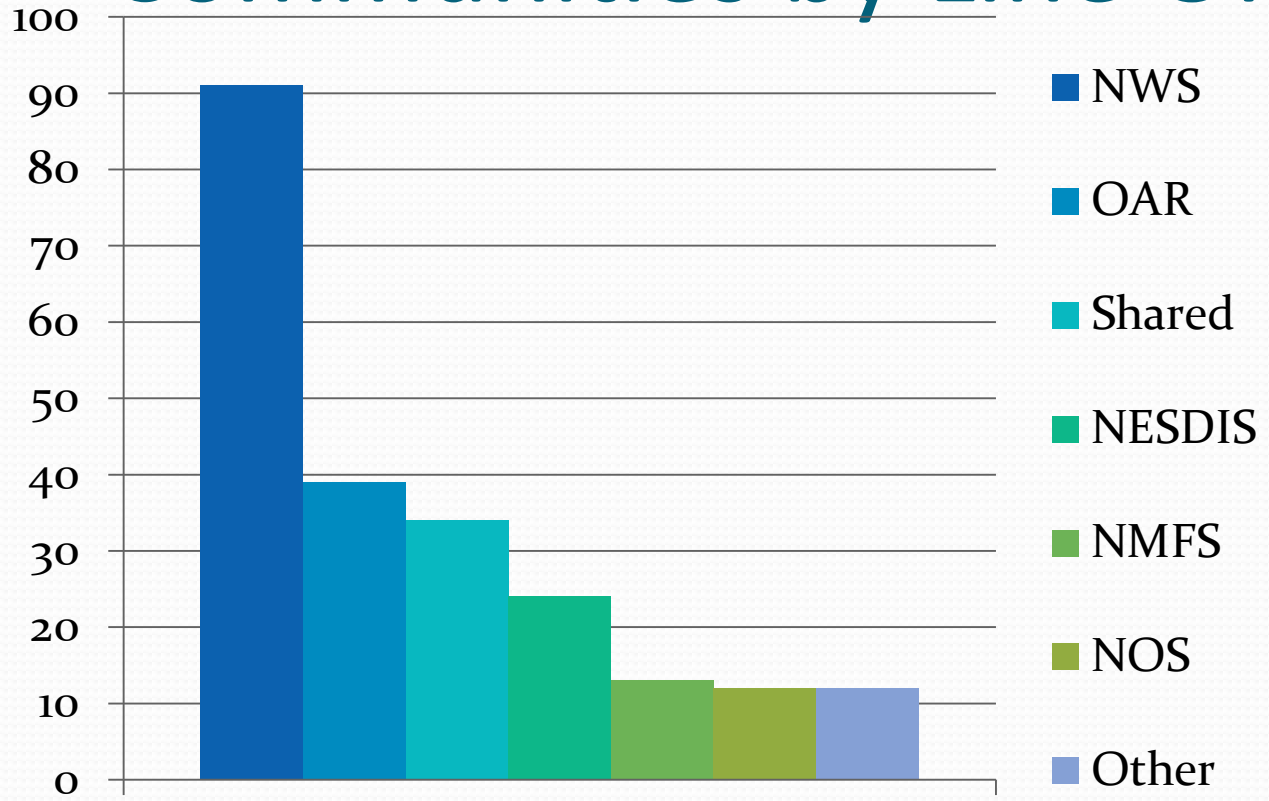
# VLab Growth

*Number of VLab Software Repositories*



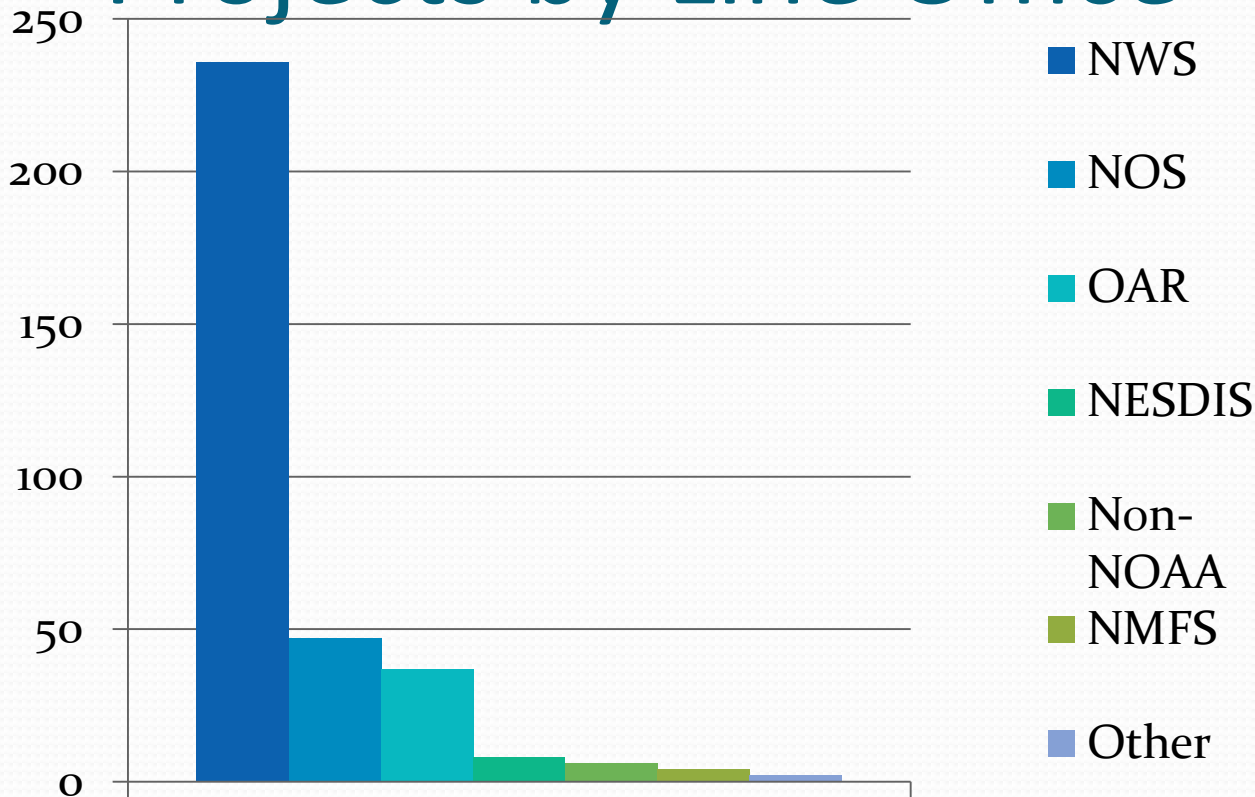


# Communities by Line Office



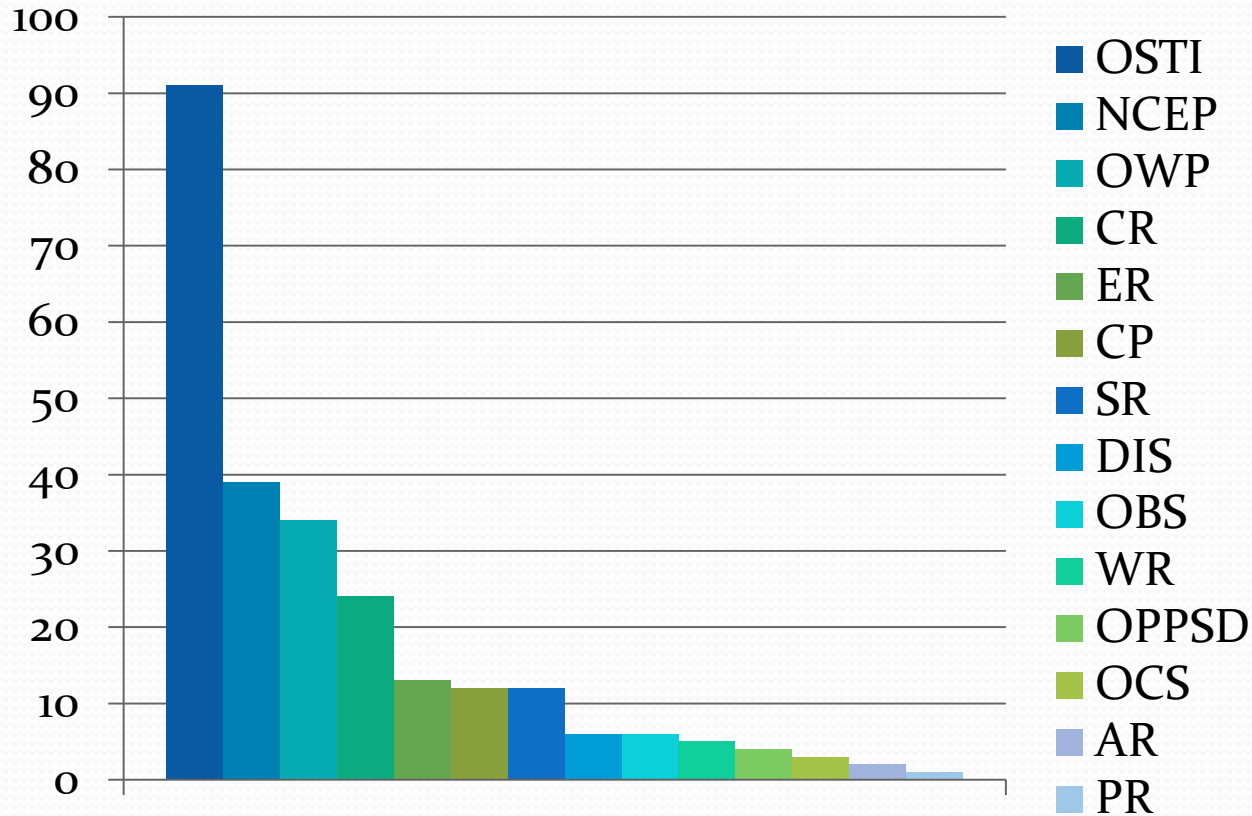


# Projects by Line Office





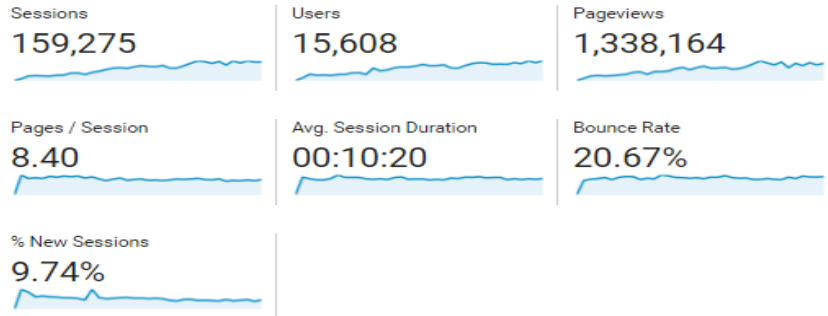
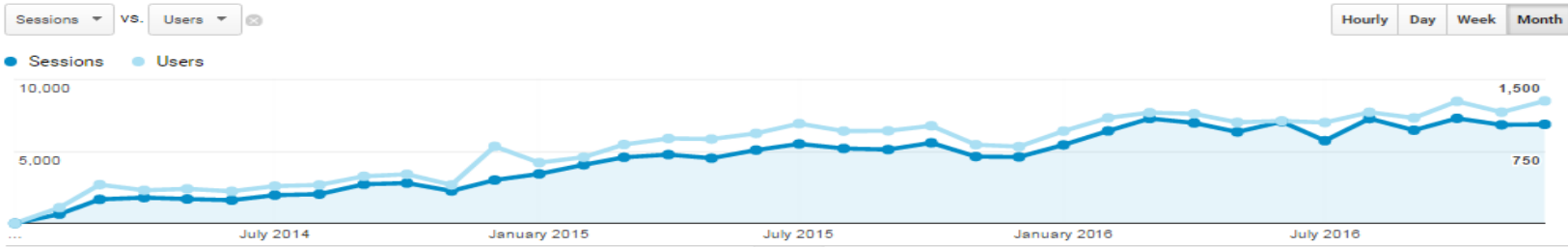
# NWS Projects by Organization



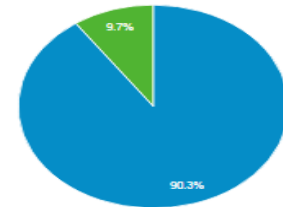
# VLab Growth



Google Analytics



■ Returning Visitor ■ New Visitor



~ 500 users/month (2014) → over 1,100 users/month (2016)  
 ~ 2,500 sessions/month (2014) → over 7,000 sessions/month (2016)

**27,000 staff-hours!**

# Community Highlights

- Oclo Training Community
- CSTAR Community
- NCEP EMC Community Workspace
- FACETS
- Flash Flood Local Techniques Collaboration
- GIS in NWS
- Vortex-SE Field Experiment
- RTMA/URMA Evaluation/Feedback Group
- National Blend of Models
- CR SOO Community
- Near Storm Environment Awareness Project
- NWS Spanish Translators
- Probabilistic Snow Experiment
- National Water Model
- NWS UAS
- NCRFC Runoff Risk
- Operations Proving Ground
- Total Operational Weather Readiness Satellites (TOWR-S)
- Google Analytics
- MRMS
- AWIPS Community
- Impacts Catalog



# Project Highlights

- **AWIPS**
- **National Blend of Models**
- **Impacts Catalog/iNWS/Iris/HCE**
- **HIWPP**
- **FIM**
- **HRRR/RUC**
- **IDP Onboarding**
- **MRMS**
- **MADIS**
- **CHPS**
- **National Water Model**
- **NOMADS**
- **P-Surge**
- **NWSChat**
- **Aviation Forecast Verification Tool**
- **US Meteorological Information Exchange Model**
- **NOS Forecast Modeling Systems for Lakes Michigan and Huron**

# VLab Capability Enhancements



**BOULDERS**



**ROCKS**



**PEBBLES**



## **BOULDERS:**

- **AWIPS SCP**
- **Projects Registry**
- **Single Sign On**
- **Elasticsearch**
- **AWIPS Integrated Ref**



## **ROCKS:**

- **Ideas Marketplace**
- **SOO-DOH Dashboard**
- **OSTI 1STOP**
- **Requirements Mngt**
- **VLab User Training**



## **PEBBLES:**

- **Blog enhancements**
- **Forum enhancements**
- **What's New**

# **NEW**



# AWIPS Integrated Reference (AIR)

The screenshot displays the AWIPS Integrated Reference (AIR) interface. The top window is titled "CAVE:OAX - D2D (on awips2-ss.wdwb.noaa.gov)" and shows a weather radar plot with a color scale from 0.40 to 1.00. The plot is labeled "WarnGen" and "ktix 0.5 Correlation Coefficient Sat 05:59Z 01-Jun-13". The bottom window is titled "VIRTUAL LAB" and shows a search results table for "AWIPS Interactive Reference Search".

Thumbnail	Title	Source	Author	Duration	Units	Description	Rating	Views	Score	Site	Location	Approved
	Dual Pol	WDTD	Michael Magyig	1.0	pages	This quick-reference web page contains links to the WDTD Sycharts for identifying precipitation phase from Dual-Pol variables.	0	151	3.9458714			true
	All Tite	WDTD	Michael Magyig	1.0	pages	All Tite quick-reference web page with job sheet and supplemental information that is an extension of the 16.1.1 and 16.2.1.	0	262	3.8766958			true



# OSTI 1STOP

Mission Planning Programs Admin Comms/Outreach Employees Managers FAQs Suggestion Box
















1STOP / Mission

**STI's 1STOP**

Welcome to STI's 1STOP (Science and Technology Operations and Procedures) employees resource intranet site.

This site is designed to provide you with a comprehensive set of resources you need to function in your career from when you are first hired till you are closing in on retirement. We have included everything for new employee information and getting oriented whether you are new to the Office of Science and Technology Integration, new to the National Weather Service, or even new to the Federal service. This site contains just about every training and human resources website you will need. We hope that you explore what the STI Intranet team has created. And if you think of something you didn't find, please mention it in the suggestion box.

[Edit](#) [Select Web Content](#) [Add](#)

 Training	 SSMC Building Resources	 STI Events	 Organization
 Employee Resources	 Employee News	 IT Resources	 Purchase Card
 Quarterly Progress	 FAQ	 Safety	 Commuter Info
 Directory	 Teleworking	 Travel	 Emergency Preparation



# Weather Archive and Visualization Environment (WAVE)

Home   How To Video Training   Data Set Archival Times   Requests, Comments, and Suggestions   Wiki   Status of Comments/Requests/Suggestions

What's New and Planned Additiona and Mods

WAVE / Home

Welcome

Welcome to the Weather Archive and Visualization Environment VLab Community

**What is WAVE?**

A cloud based system that archives meteorological data sets.

**Latest Updates**  
(click links for videos)

Major Update: Rolling Custom Image Maker into Main Page

Added: NAMx, NAMxNest, NBM (partial)

Examples

18:50Z Thu, Dec 22, 2016 | MRMS Precipitation Type

MRMS Precipitation Type

Top left: *MRMS 12 Hr Mtn Mapper QPE*  
Top Right: *MRMS 12 Hr Mtn Mapper QPE Atlas 14 ARI*  
Bottom Left: *HRRR 12 Hr QPF Forecast*  
Bottom Right: *Observed Radar (MRMS Comp Reflectivity)*



## **BOULDERS:**

- **EMC/NGGPS Dev**
- **Linkage to GitHub.com**
- **Organizational Communities**



## **ROCKS:**

- **CaRDS**
- **Liferay 7.0**
- **Advanced Metrics**



## **PEBBLES:**

- **New VLab theme**
- **My Landing page**
- **Community Explorer**

# **On the Horizon**



**QUESTIONS?**