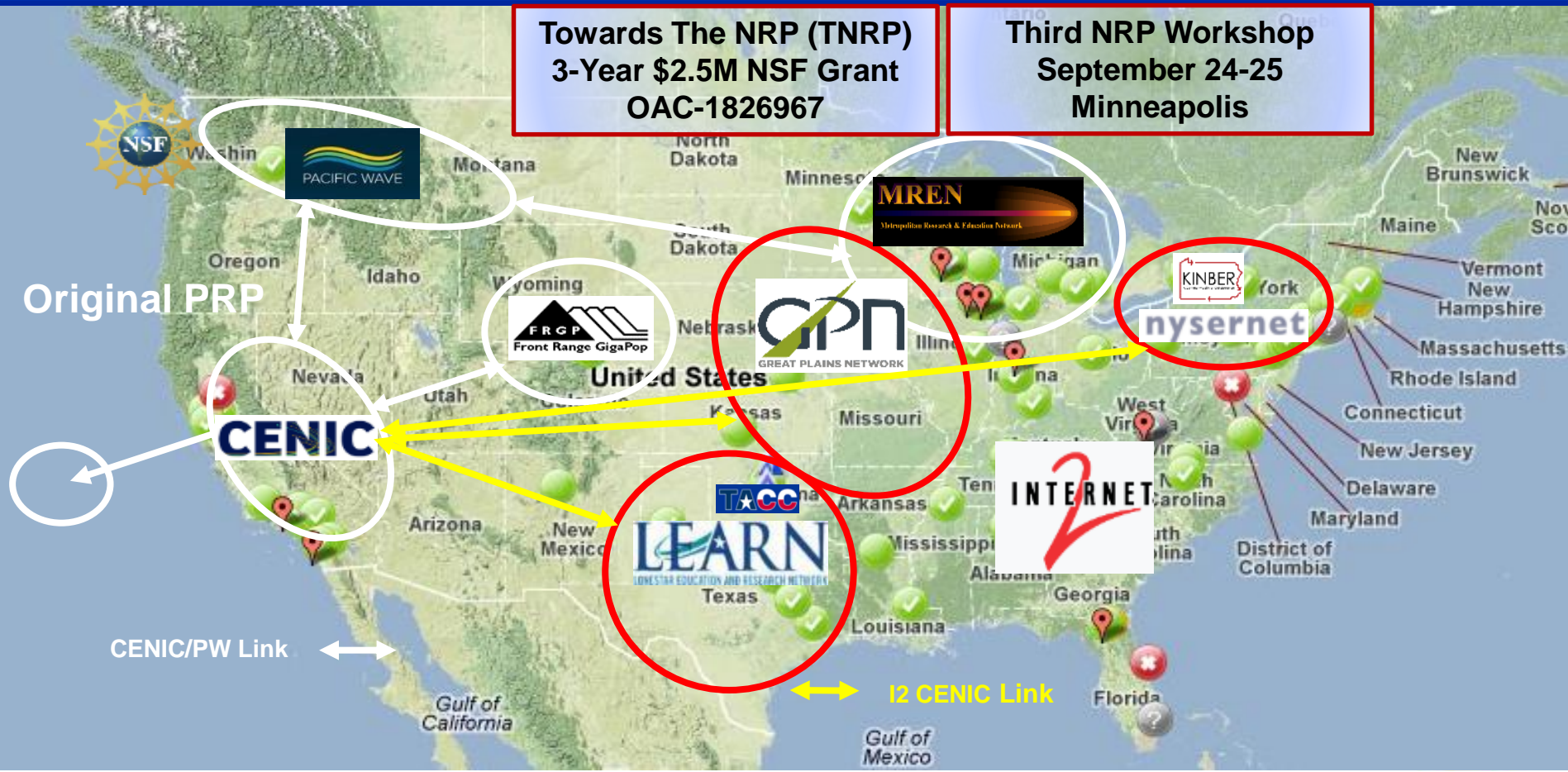


TNRP = PRP (CENIC, PNWGP, FRGP, HI, and MREN) + OSG + ESnet + Quilt + NRP Pilot (I2, KINBER, Learn, GPN, NYSERnet) + ...

**Towards The NRP (TNRP)
3-Year \$2.5M NSF Grant
OAC-1826967**

**Third NRP Workshop
September 24-25
Minneapolis**



Installing FIONAs Across California in Late 2018 and Early 2019 To Enhance User's CPU and GPU Computing, Data Posting, and Data Transfers



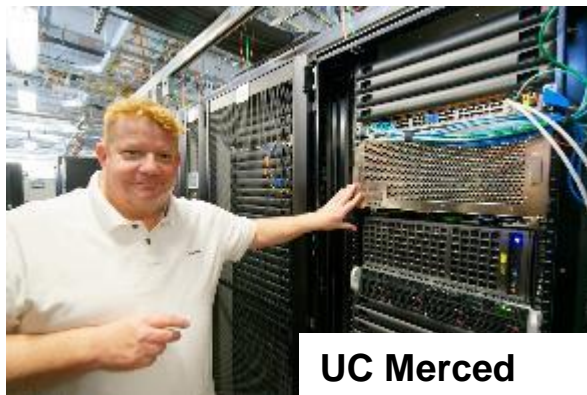
UC Irvine



Stanford



UC Santa Barbara



UC Merced



UC Santa Cruz



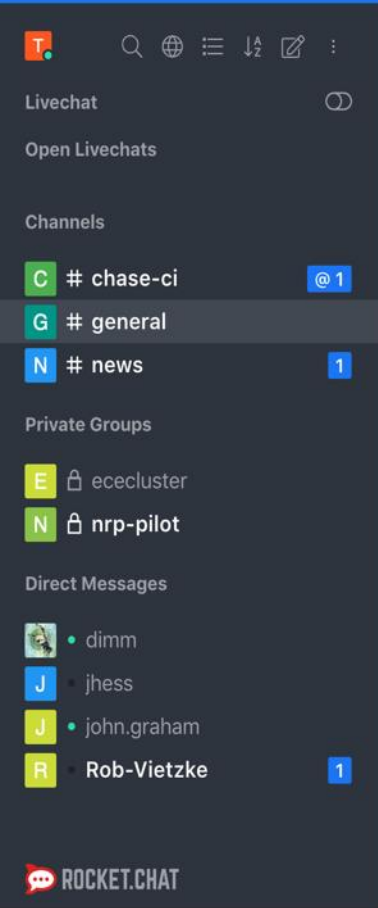
UC Riverside

TNRP Nautilus Federation

- **CILogon Federated Authentication**
- **Rook/Ceph/EdgeFS Cloud-Native Storage**
- **Kubernetes Container Orchestration**
- **Network Monitoring perfSONAR MaDDash**
- **Prometheus / Grafana Dashboards**
- **ElastiFlow - EKS Flow Analysis Dashboards**
- **Federated Namespaces**

RocketChat: Helping Users Help Each Other

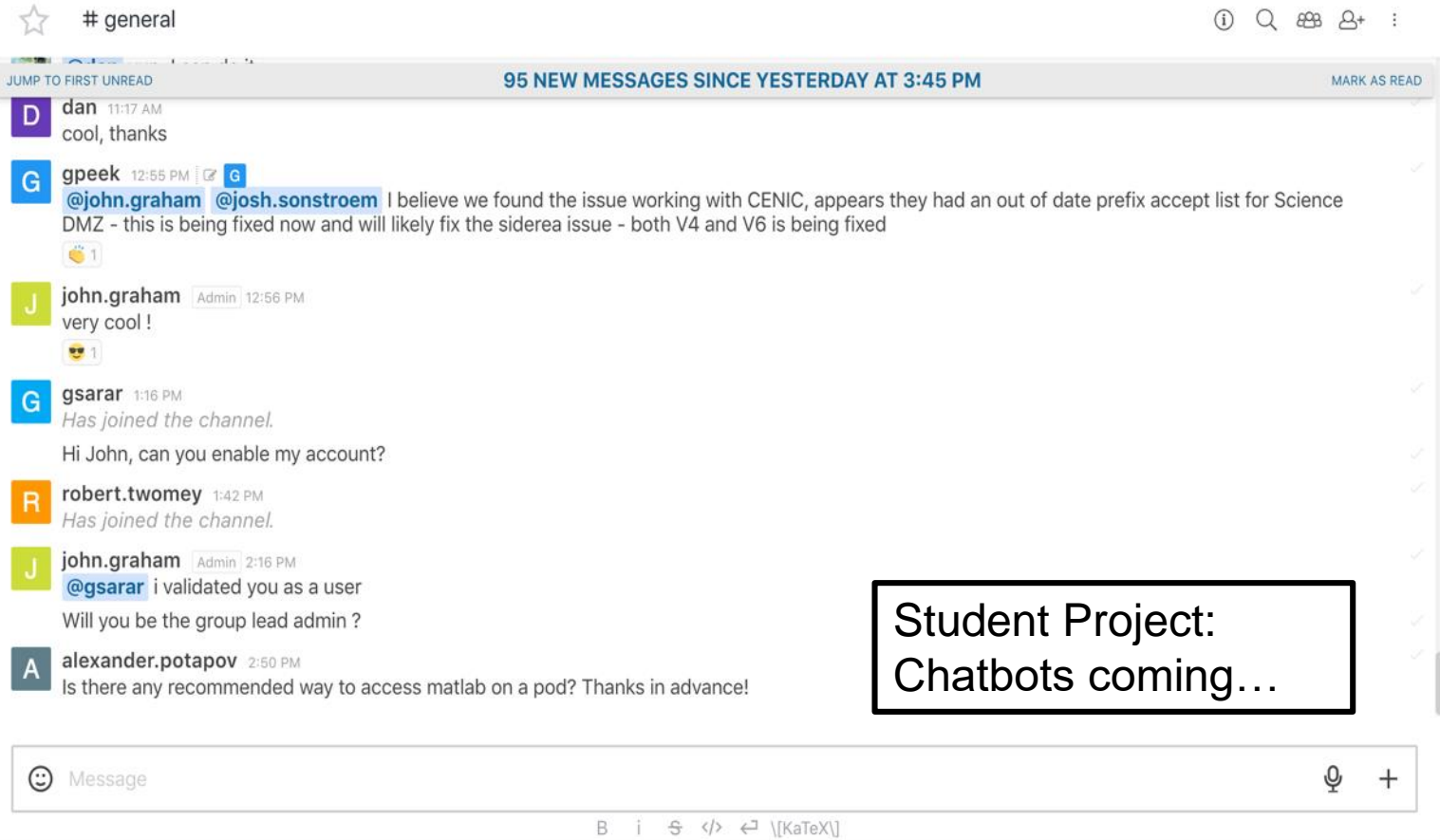
724 Users & 180,000 Messages as of 9/14/19



The sidebar navigation menu includes the following sections and items:

- Livechat** (toggle)
- Open Livechats**
- Channels**
 - # chase-ci (@1)
 - # general (selected)
 - # news (1)
- Private Groups**
 - ececluster
 - nrr-pilot
- Direct Messages**
 - dim
 - jhess
 - john.graham
 - Rob-Vietzke (1)

ROCKET.CHAT



The chat window for the #general channel shows the following messages:

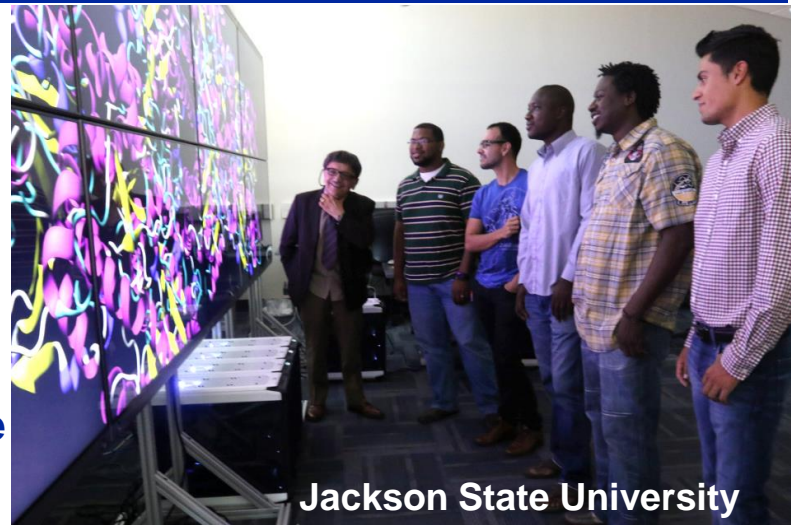
- dan** (11:17 AM): cool, thanks
- gpeek** (12:55 PM): @john.graham @josh.sonstroem I believe we found the issue working with CENIC, appears they had an out of date prefix accept list for Science DMZ - this is being fixed now and will likely fix the siderea issue - both V4 and V6 is being fixed
- john.graham** (Admin, 12:56 PM): very cool!
- gsarar** (1:16 PM): Has joined the channel.
Hi John, can you enable my account?
- robert.twomey** (1:42 PM): Has joined the channel.
- john.graham** (Admin, 2:16 PM): @gsarar i validated you as a user
Will you be the group lead admin ?
- alexander.potapov** (2:50 PM): Is there any recommended way to access matlab on a pod? Thanks in advance!

At the bottom of the chat window, there is a text input field with a smiley face icon and the placeholder text "Message". To the right of the input field are icons for emojis, voice recording, and a plus sign for additional actions.

Student Project:
Chatbots coming...

PRP/TNRP Actively Develops Diversity

- **Grants**
 - 3 Female co-PIs
 - 1 Hispanic co-PI
- **Campuses**
 - 8 Minority-Serving Institutions in PRP/CHASE-CI
- **Workshops**
 - NRPII Workshop Steering Committee 80% Female
 - Multiple MSI, EPSCoR Focused Workshops



Presenting
FIONettes