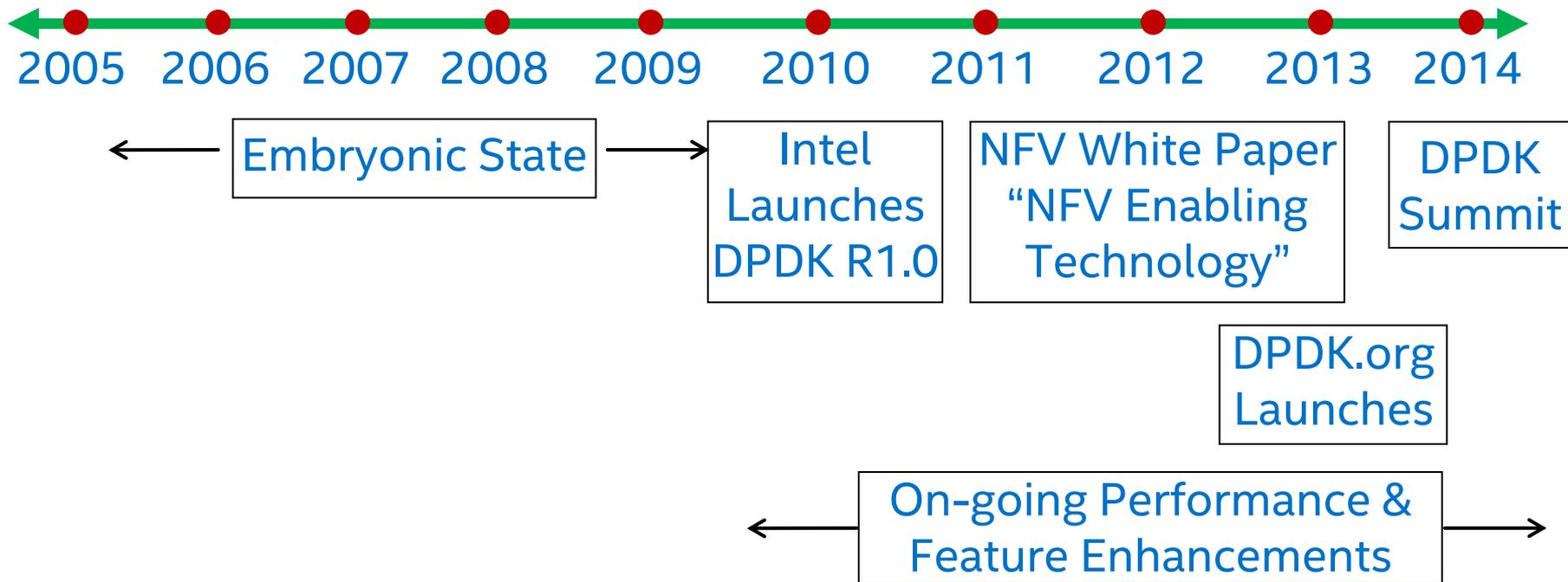# DPDK Summit – Objectives

Bring the DPDK open source community together

Share DPDK usage, implementation, and other info

Hear from DPDK code developers, contributors, users
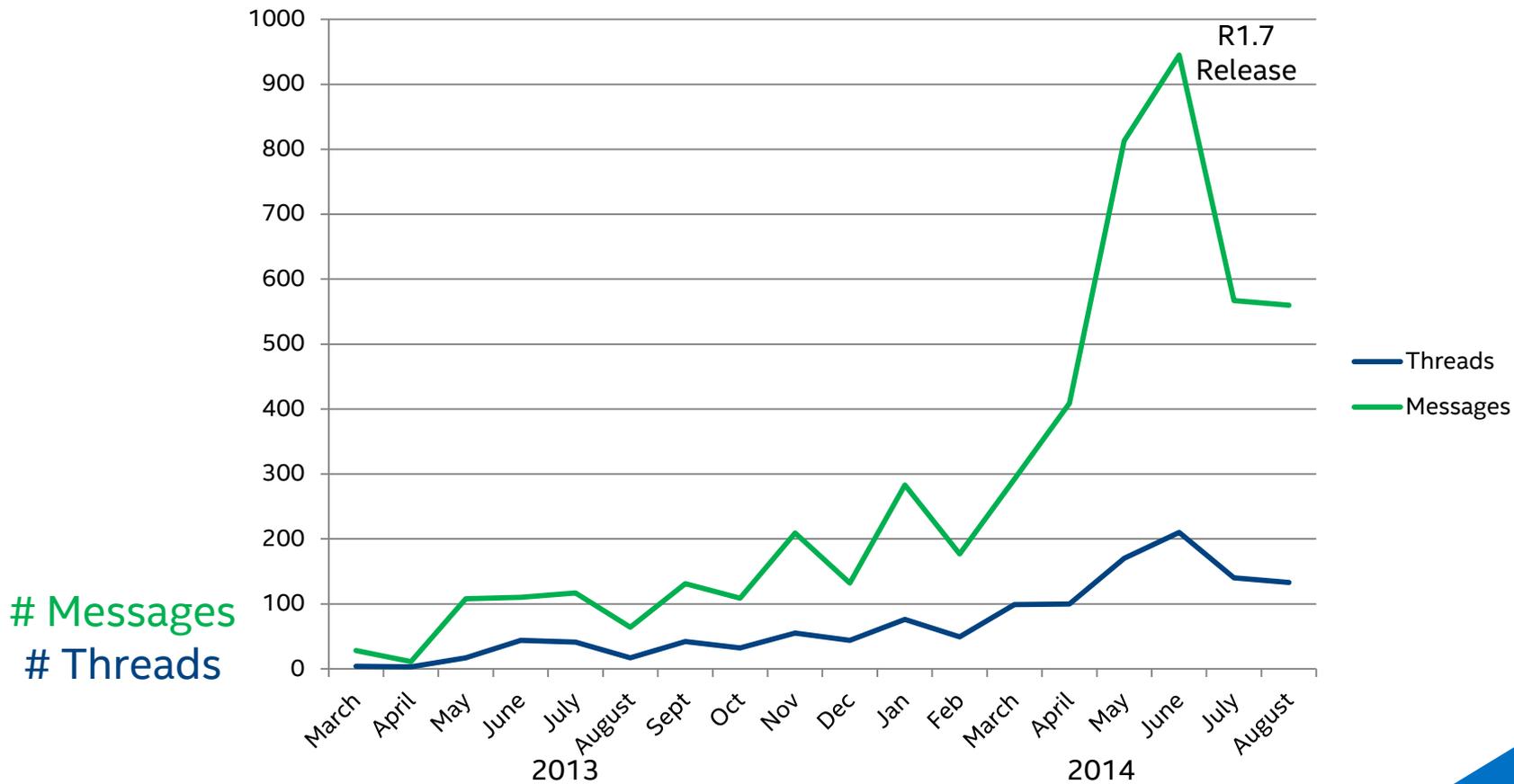
Build the community!

# DPDK Open Source Project History
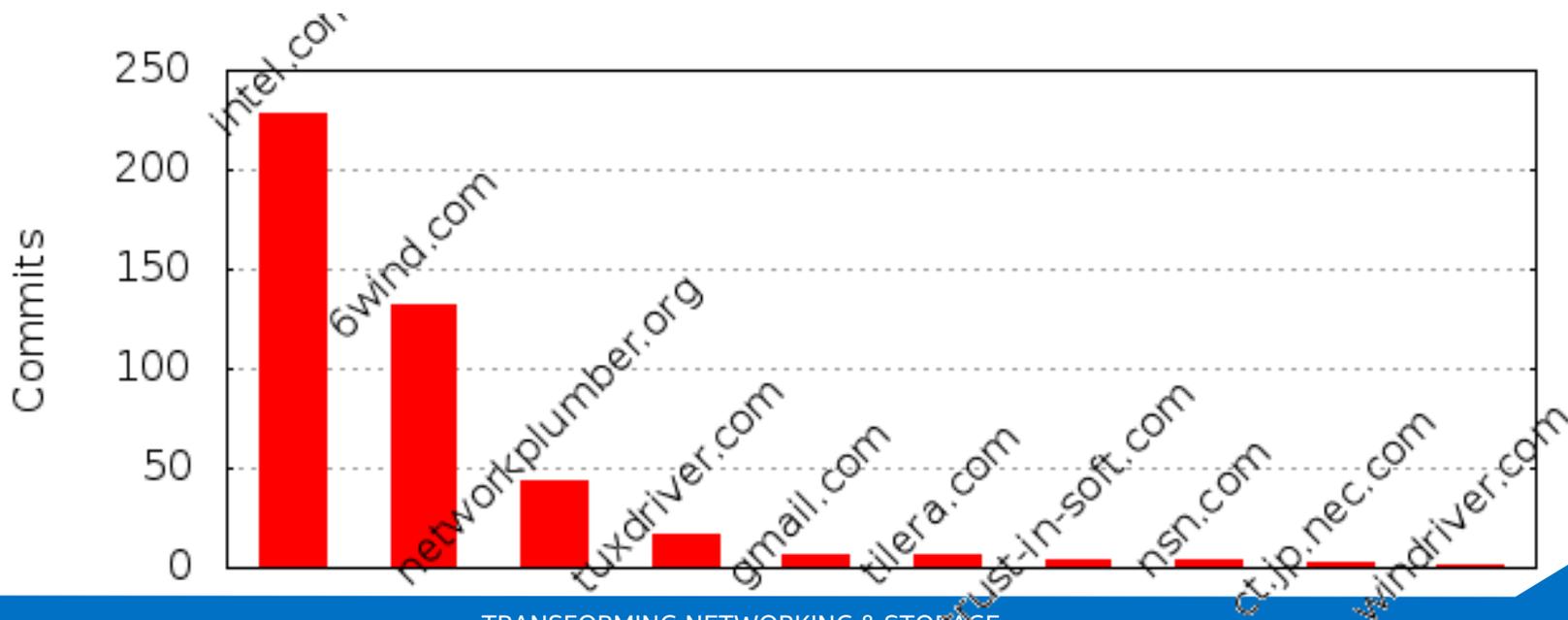


2005  2006  2007  2008  2009  2010  2011  2012  2013  2014

Embryonic State

Intel Launches DPDK R1.0

NFV White Paper "NFV Enabling Technology"

DPDK Summit

DPDK.org Launches

On-going Performance & Feature Enhancements

(intel)

# DPDK Community Posts



R1.7 Release

— Threads
— Messages

# Messages
# Threads

1000
900
800
700
600
500
400
300
200
100
0

March | April | May | June | July | August | Sept | Oct | Nov | Dec | Jan | Feb | March | April | May | June | July | August
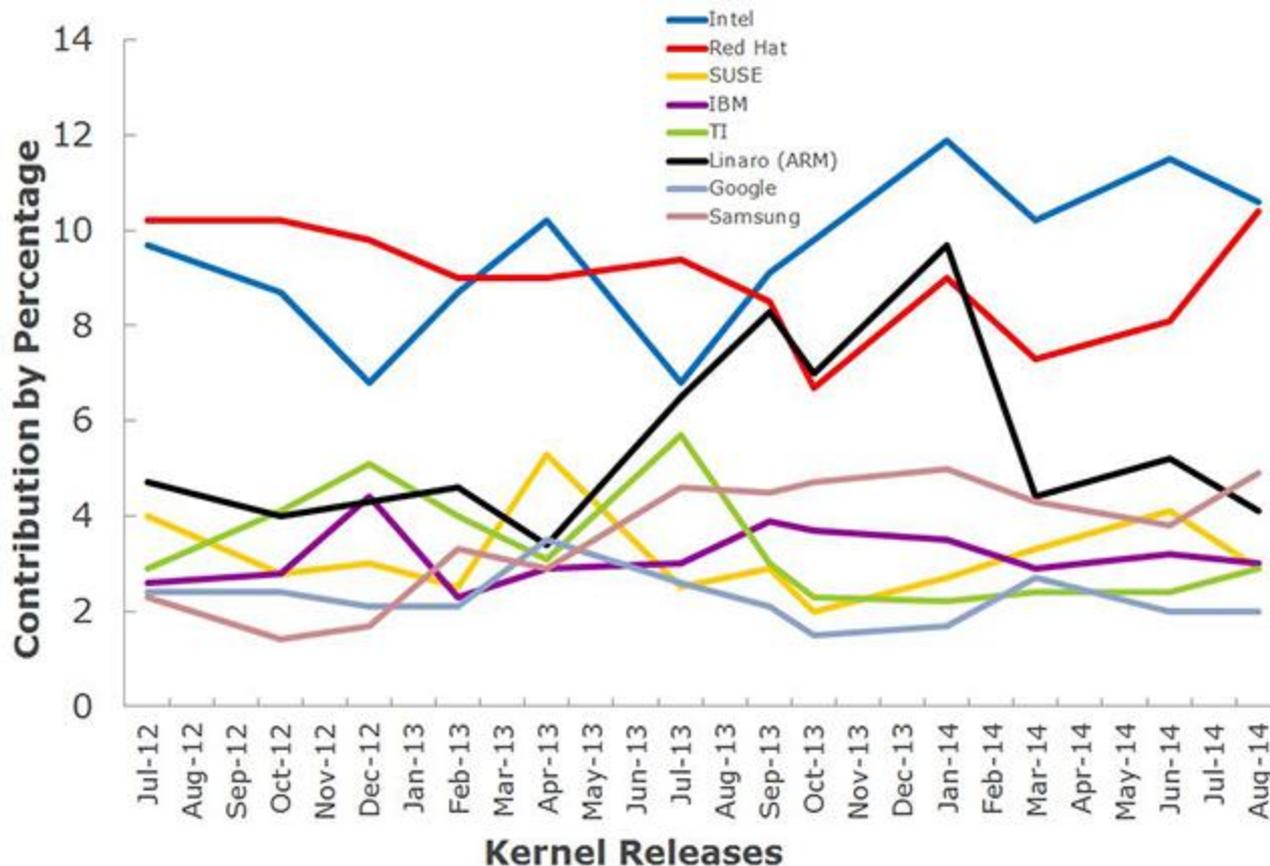
2013

2014

# DPDK Community Contributors

>60 contributors, ~1000 commits

~650 people on dev mailing list

# Linux Kernel Contributions

| Time | Topic | Speaker |
|---|---|---|
| 8:30 am | DPDK Summit Kick-off & Opening Comments | Jim St. Leger, Intel |
| 9:00 am | Is It Time to Revisit the IP Stack in the Linux Kernel and KVM? | Jun Xu, Futurewei |
| 10:00 am | Multi-Socket Ferrari for NFV | László Vadkerti, Ericsson<br>András Kovács, Ericsson |
| 11:00 am | *Break – Coffee and Snacks* | |
| 11:15 am | Technology Discussion: Lightning Fast I/O with PacketDirect | Gabriel Silva, Microsoft |
| 12:15 pm | *Lunch* | |
| 1:00 pm | A High-Performance vSwitch of the User, by the User, for the User | Wataru Ishida, NTT<br>Yoshihiro Nakajima, NTT |
| 2:00 pm | Application Performance Tuning and Future Optimizations in DPDK | Venky Venkatesan, Intel |
| 3:00 pm | *Break – Coffee and Snacks* | |
| 3:15 pm | DPDK in a Virtual World | Bhavesh Davda, VMware<br>Rashmin Patel, Intel |
| 4:15 pm | High-Performance Networking Leveraging the DPDK and the Growing Community | Thomas Monjalon, 6WIND |
| 5:15 pm | Closing Remarks | Tim O'Driscoll, Intel |

# Guidelines for the Day

Stay on time

Phones set to silent/stun

Respect the presenters

Contribute to the discussion

Get to know your fellow DPDK community members

Provide feedback on the event and future events

# Any Questions?