

# Federation success stories: PlanetLab

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# The global PlanetLab federation



# Federation history

2002 - PlanetLab Central comes online with 100 nodes at 42 sites

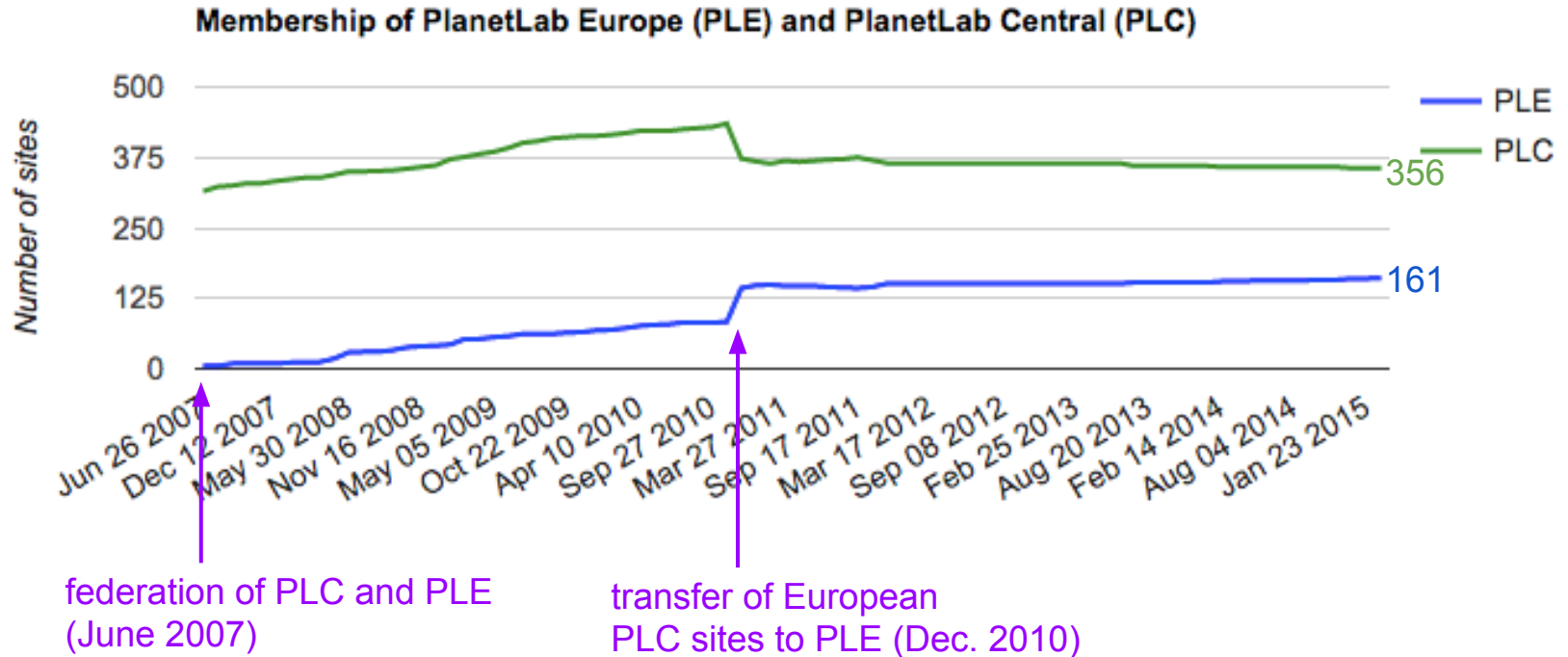
2007 - federation of PlanetLab Central (PLC) with PlanetLab Europe (PLE),  
under the FP6 “OneLab” project

2009 - SFA-based federation between PLC and PLE demonstrated at GEC5,  
funded by the NSF GENI PLFED project and the FP7 FIRE “OneLab2”  
project

# FIRE/GENI workshop, 8 December 2008, Madrid



# Sites (active)





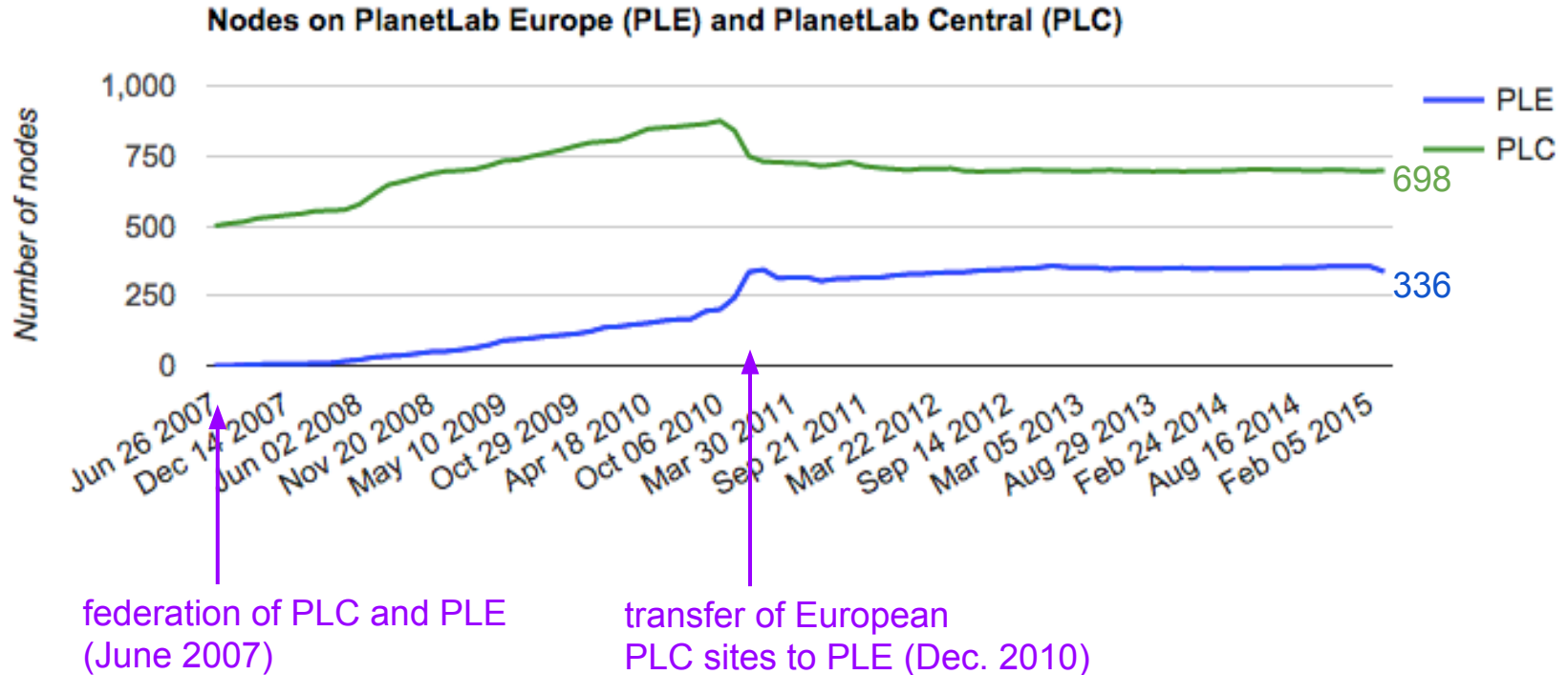
# Sites

Some sites drop out, others arrive

Newest site (September 2015): Telefonica R&D joins PLE as an Associate Member, to support the experiments of Data Transparency Lab

**DATA**  
**TRANSPARENCY**  
**LAB**

# Nodes (active)



1034 nodes worldwide as of 17 September 2015

# Nodes

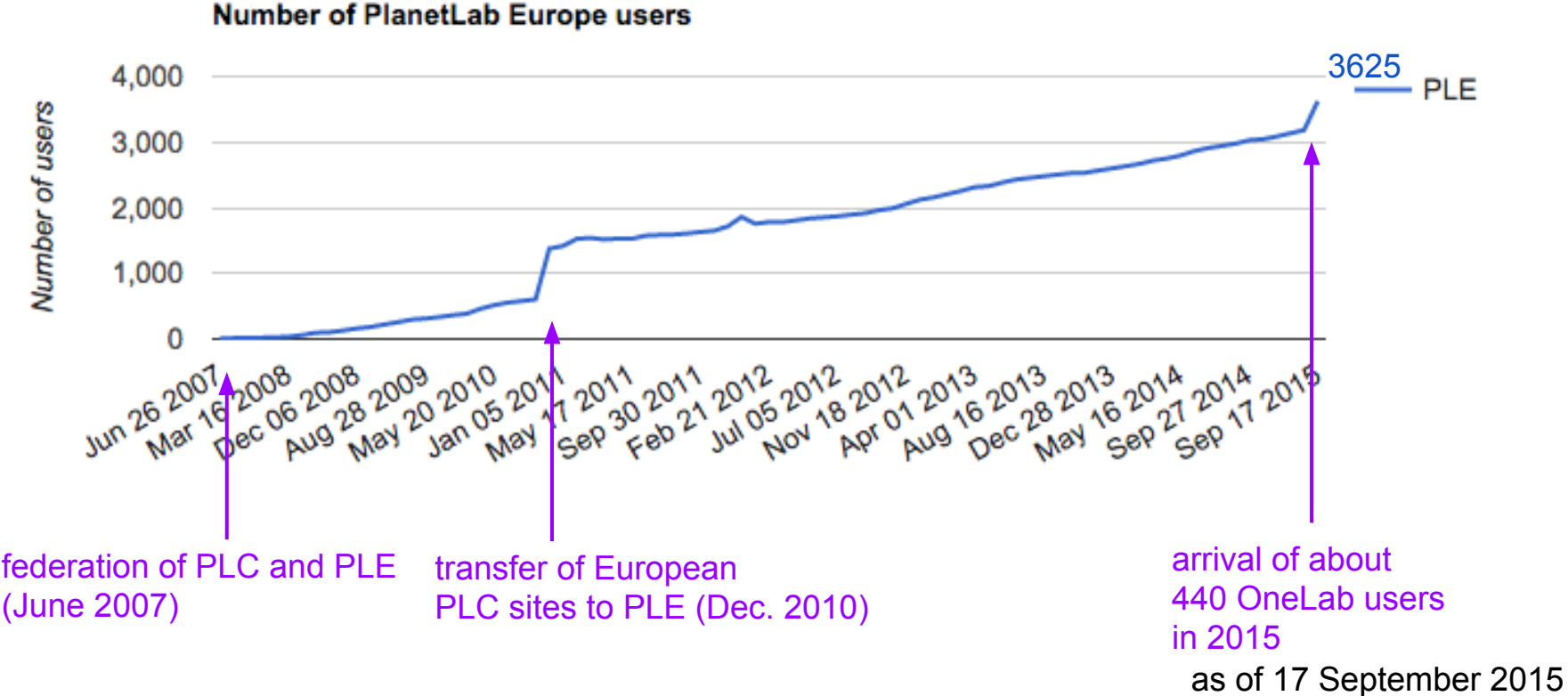
Coordinated handling of security incidents

MyOps by Stephen Soltesz

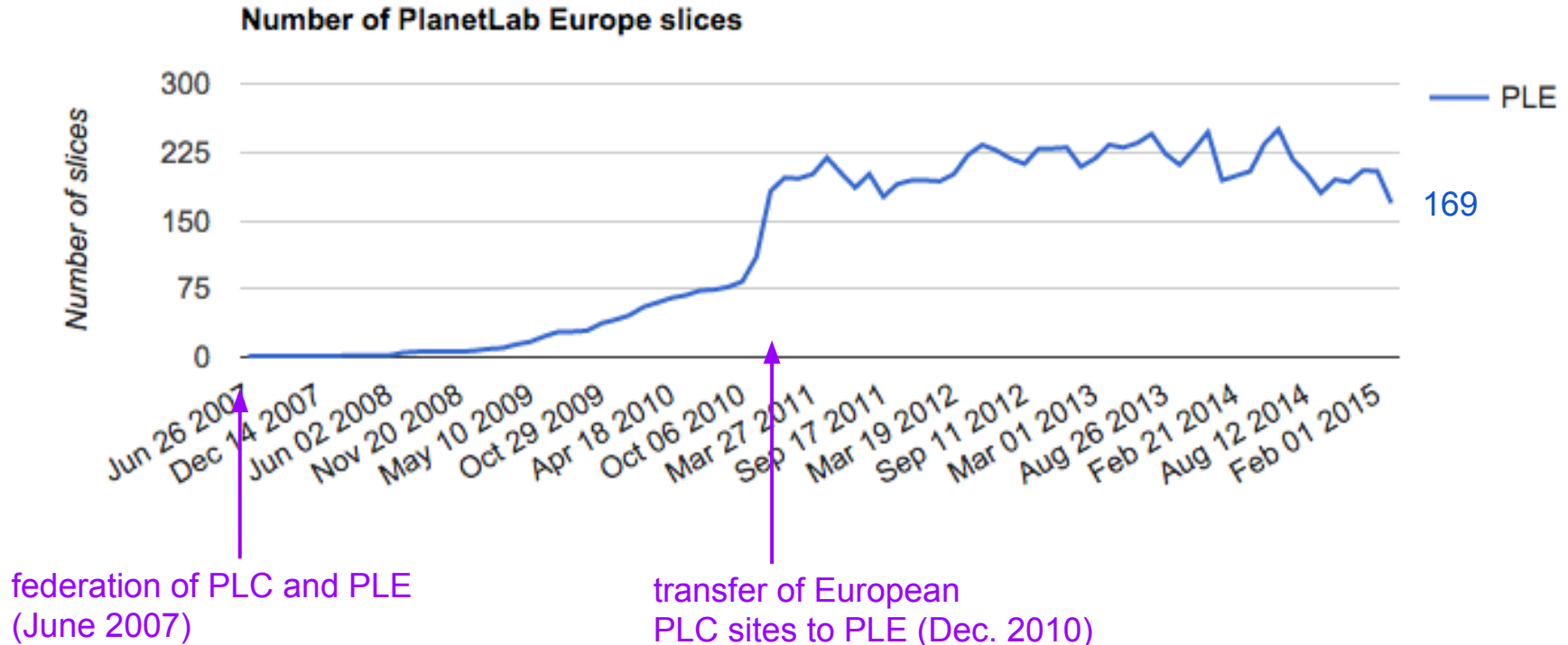
- automatically reminds site admins to maintain their nodes
- reduces site privileges if necessary



# PLE users



# Slices currently running, created by PLE users



# PlanetLabs

PlanetLab Central (PLC)

PlanetLab Europe (PLE)

VICCI

EmanicsLab

M-Lab

PlanetLab Japan

Private PlanetLab Korea

Private PlanetLab at EPFL

...

# PlanetLabs: EmanicsLab

FP6 EMANICS NoE  
(2007-2009)

- work continues to this day through EmanicsLab
- supported by federation with PLE, which provides the legal framework
- most recent member: Federal University of Rio Grande do Sul (Brazil) - April 2015

