

# INDIS

INNOVATING THE NETWORK FOR DATA  
INTENSIVE SCIENCE

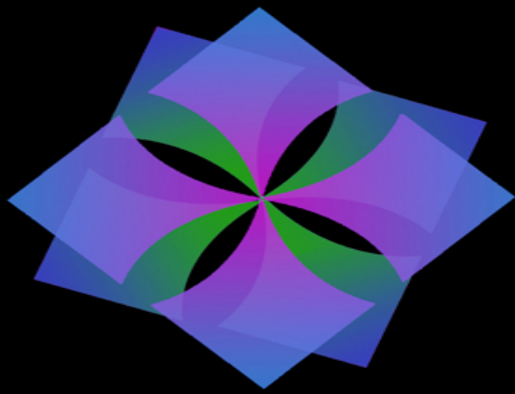
A Brief History

Cees de Laat  
INDIS (co) team-lead 2014- 2017



# Brainstorming started in 2013

- Asked by Kate Mace, the SCinet chair 2014
- Signals from SCinet members about less “HOT STUFF”
- Networking was mostly seen as an utility
- Transformation of computing -> from simulations to data driven
- Transformation of science -> instrument -> superfacility, ML & AI
- If the pipes become dumber and dumber and the booths smarter and smarter, why then do I send my smartest people to SCinet?



**SC14**  
New Orleans  
LA | 2014

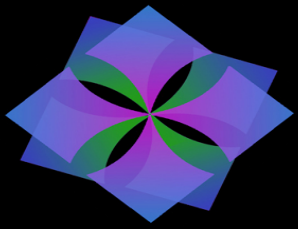
SC14 Technical Program Workshop

**INDIS 2014: Innovating the Network  
for Data Intensive Science**

16 November, 2014

New Orleans, LA

**hpc matters.**



**SC14**  
New Orleans  
LA 2014

hpc matters.

## SC14 Tech Program INDIS Workshop - Purpose

- ❑ Crucial period of time in networking & computing
- ❑ Opportunity to unveil & discover new research
- ❑ Raise the awareness of the importance of network research to HPC
- ❑ Peer reviewed publications
- ❑ Start a discussion:
  - Needs & expectations of SCinet capabilities
  - How do others know what is important to your work?
- ❑ The community needs to speak up, publically
- ❑ INDIS 2014 submissions:
  - Demos = 25
  - Papers = 14

# Previous Editions of the INDIS Workshop

- Workshop co-Chairs
  - 2014: Cees de Laat
  - 2015: Cees de Laat, Brian L. Tierney, Matthew J. Zekauskas
  - 2016: Cees de Laat, Brian L. Tierney, Paola Grosso, Malathi Veeraraghavan
  - 2017: Cees de Laat, Paola Grosso, Mary Hester, Malathi Veeraraghavan
  - 2018: Michelle Zhu, Ilya Baldin, Paola Grosso, Mary Hester
  - 2019: Michelle Zhu, Ilya Baldin, Paola Grosso
  - 2020: Michelle Zhu, Sarah M. Neuwirth, Mariam Kiran
- 2014 and 2015 were half day workshops, it then became full day programs
- Always scored excellent evaluations > 4,5/5.0
- <https://scinet.supercomputing.org/community/indis/previous-editions/>

2014



2015



2016



2017

