INDIS

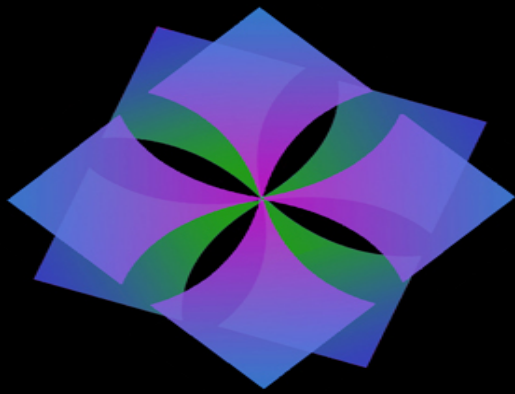**INNOVATING THE NETWORK FOR DATA INTENSIVE SCIENCE**

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?
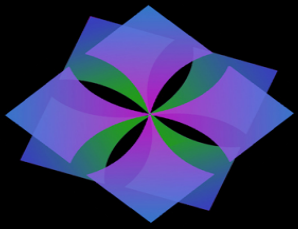
SC14 Technical Program Workshop

INDIS 2014: Innovating the Network for Data Intensive Science

16 November, 2014
New Orleans, LA

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:
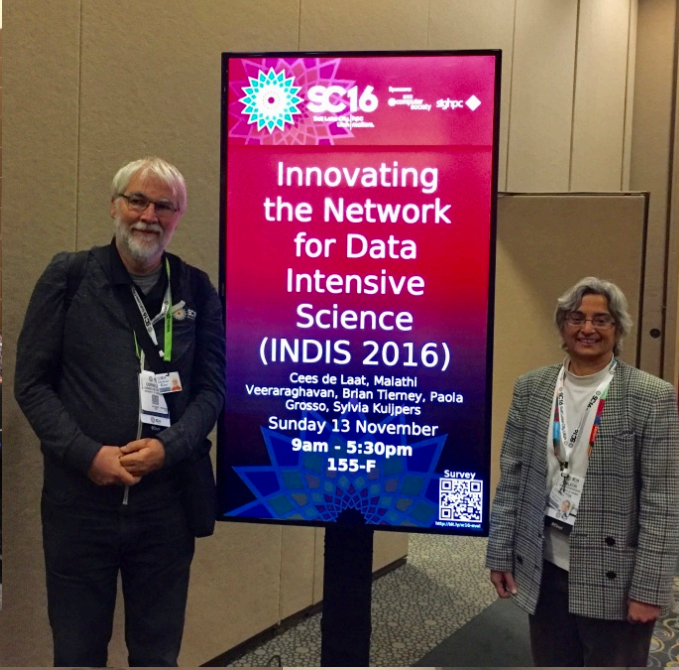 - ▪ Demos = 25
  - ▪ Papers = 14

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

SC16

Innovating
the Network
for Data
Intensive
Science
(INDIS 2016)

Cees de Laat, Malathi
Veeraraghavan, Brian Tierney, Paola
Grosso, Sylvia Kuijpers

Sunday 13 November
9am - 5:30pm
155-F

Survey