

# Infrastructure issues in Big Data Science

*BIG  
DATA*

**The role of NREN's**

Author  
Function



# Agenda

- BoF goal
- Round of introductions
- Big Data and Data Intensive Science (Y.Demchenko)
- Big data facilities at SURFsara (Freek Dijkstra)
- Open floor discussion and presentations from audience
- Conclusion

# Big Data

Big Data, Big Deal, tomorrow at 11:00

Really Big data (Volume) -> network issues

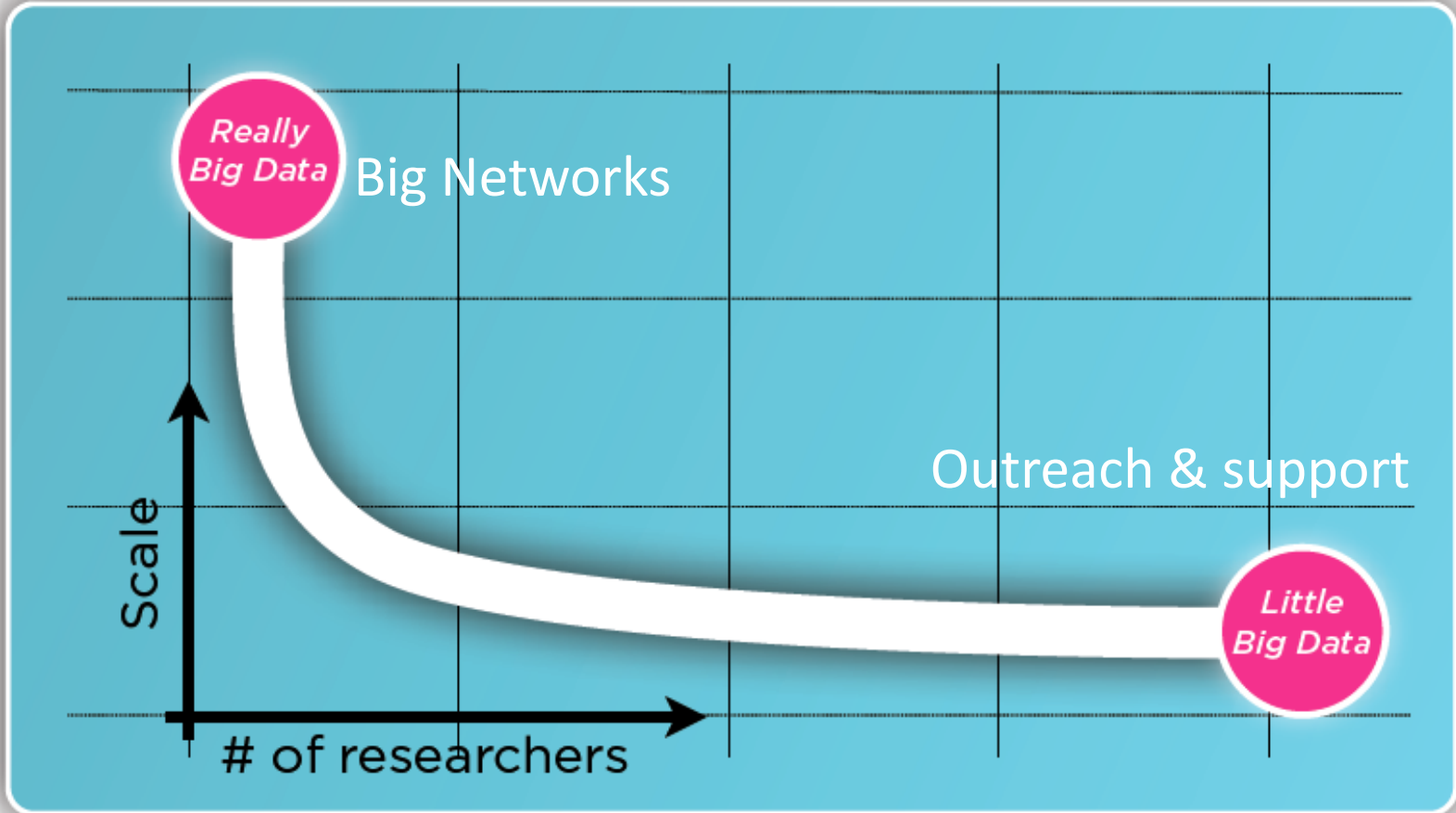
The long tail: medium big data:

- Distributed nature
- Complexity
- Accessibility
- ...

# The role of NRENs

- Big Networks
- Flexibility (BoD, SDN, ...)
- Interdomain issues
- Federated infrastructure(s)
- Authorization
- Bringing cloud to universities
- Outreach & support

# Big data vs Little Big Data





peter.hinrich[at]surfnet.nl



www.surfnet.nl



+31 30 2 305 305



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