Microsoft Research

• Significant Investment
  – Investing over $6B in R&D (MSR and product dev.)
  – Staff of over 800 in 55 research areas

• International Research lab locations
  – Redmond, Washington (Sept, 1991)
  – Cambridge, United Kingdom (July, 1997)
  – Beijing, People’s Republic of China (Nov, 1998)
  – Mountain View, California (July, 2001)
  – Bangalore, India (January, 2005)
  – Cambridge, Massachusetts (February, 2008)
Dr. Evelyne Viegas
Microsoft Research

Computational Semantics
(Artificial Intelligence),
Natural Language Processing
(NLP)

Microsoft
NLP for Help
Semantic Search

Microsoft Research – External Research
Data Intelligence
Breaking down Data Barriers to Drive Open Innovation
Enabling Data-driven research

• **Innovations** – researchers can unveil *new* analysis or *research directions* and explore new questions

• **Science** – *repeatability of experiments* can be performed and erroneous results avoided

• **Training** – powerful tool for *training the next generation of researchers*
Roadblocks to Data-driven Research

• Data confidentiality can become a roadblock to open innovation in an information-based society

• How to unlock the amount of data which is today in the vaults of information industries, in federal agencies?

• Which data is needed to study innovation
  – How does the web (content, interactions) contribute to the innovation process?
  – How can YOU extract value from web data?
  – Research questions?
  – Experiments to run?