



Enabling Successful Discovery and Applications

Welcome!

Data—Tools—Sharing



Enabling Successful Discovery and Applications



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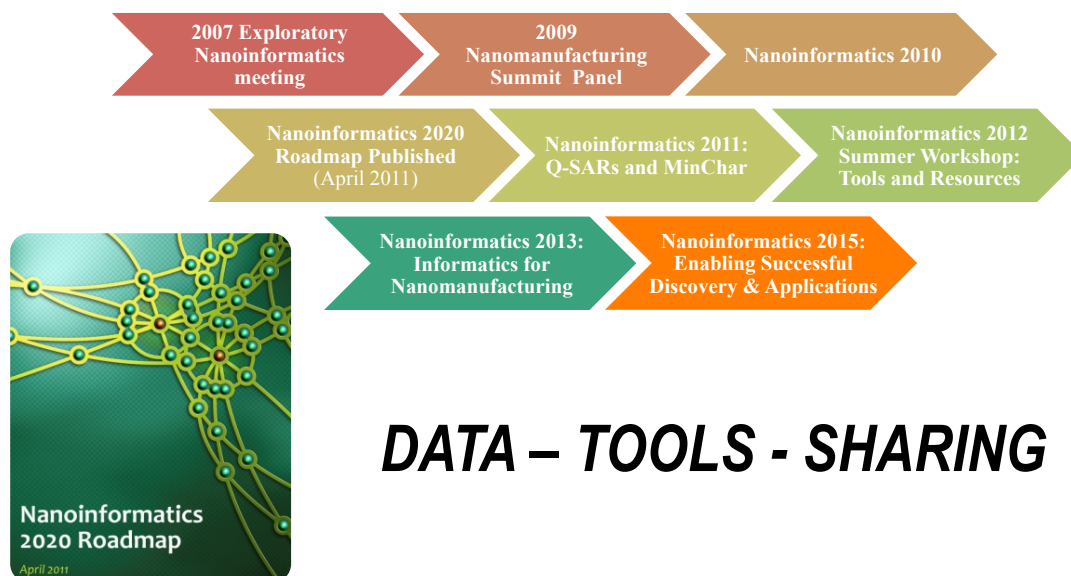
Nanoinformatics

Workshop Purpose

- to bring together stakeholders in order to assess the state of informatics relevant to the all aspects of the nanotechnology enterprise and to identify priority targets for the future.
- to collaborate; leverage what has been built; to launch compelling new projects

Nanoinformatics

A series of workshops by the broad nanoinformatics community



DATA – TOOLS - SHARING



Nanoinformatics

Nanoinformatics is the science and practice of determining which information is relevant to the nanoscale science and engineering community, and then developing and implementing effective mechanisms for collecting, validating, storing, sharing, analyzing, modeling and applying that information.

- from *Nanoinformatics 2020 Roadmap*



Nanoinformatics

information

automatic

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information
Nanoinformatics
automatic

- To more broadly leverage the information already gathered.
- To reduce uncertainty and assist in decision-making
- To better automate processes that build science and tech.
- To save time and money.
- To help assure safety for people and the environment.
- To build in greater intelligence into the entire system.
- To help the people interact and collaborate



Workshop Agenda

A) Sessions 1-6: Presentations, discussion, and posters

- Keep in mind that this is a **multidisciplinary audience**
- Presenters should please clearly describe the **thematic purpose** of your project; the original intended domain of use
- Presenters, is your nanoinformatics output **currently available** for other users?
- Discuss **ways for greater or new impacts** are possible from your project, especially through some specific kinds of **collaboration** with others.
- Everyone, actively **identify opportunities** for expanding the real-world impact of nanoinformatics
 - By expanding the reach of existing projects
 - Through project-to-project cooperation
 - Through the creation of timely data/tools/methods -- for science, technology development, EHS, applications, or manufacturing.

B) Nanoinformatics Charrette

- strategically building potential opportunities into collaborative activities and projects; to inform the broader community of these ideas and activities and to welcome participation