

Creating a Road Map for the NTP

- Definition
 - Vision (n) the ability to imagine how a country, society, industry, etc. could develop in the future and to plan in a suitable way
 - Road Map (n) a detailed plan to guide progress toward a goal





NTP Vision for the 21st Century

To move toxicology from a predominantly observational science at the level of disease-specific models to a predominantly predictive science focused upon a broad inclusion of target-specific, mechanism-based, biological observations.





Strategy

- Public Input
- Scientific Input
 - NIEHS Committee (M. Hooth, Chair)
 - Executive Committee Subcommittee (J. Bucher, Chair)
 - Board of Scientific Counselors Subcommittee (S. Cohen, Chair)
- Outside Experts
- NTP Workgroup and Retreat
- Final roadmap for new directions and program revisions





Questions to Consider

- What information should NTP produce?
- How might this information be used in public health decisions?
- What will be needed to gain acceptance of a new testing paradigm?
- How can the NTP advance the utility of new methods?
- What new resources will be needed? What existing resources can be reduced?





Activities to Consider

- Rapidly develop better models, faster screens
- Move from disease-specific focus to systems/mechanism-based focus
 - Exposure timing
 - Genetic controls on response
 - System-wide evaluation of the data
 - Development of tools for integrating scientific data
- Develop better and broader baseline information
 - High-throughput methods
 - Mechanistic clarity of response
 - Broad array of agents used consistently



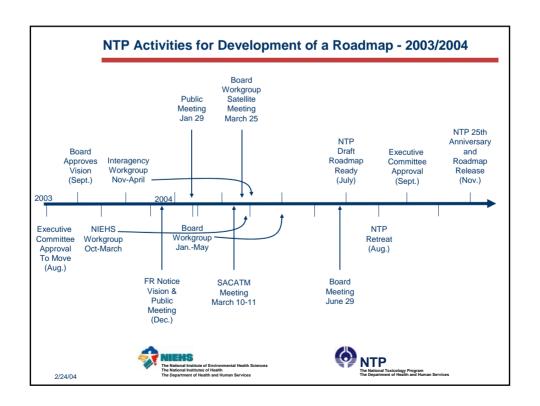


Activities to Consider

- Enhance development of multidisciplinary/ multi-agency scientific teams
- Cross-link disease focus with mechanism focus
- Expand the linkage between toxicology and basic science to enhance both areas
- Develop training programs to meet the needs of a broader-based NTP







"The future is not some place we are going to, but one we are creating.."

"The paths are not to be found, but made, and the activity of making them, changes both the maker and the destination."

John Schaar

QuickTime™ and a TIFF (LZW) decompressor are needed to see this picture.