SBGN-1
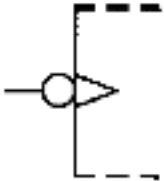*Brief Meeting Introduction*

Motivation

- Diagrams of bio networks use mostly ad-hoc notations
  - Lack of consistency => barrier to effective communication
    - More work for readers
    - More chances for errors of interpretation
- Contrast this to electrical engineering diagrams

Electrical Engineering

No	Symbol	Description
3.1-10		Dynamic input with negation The transition from the external 1-state to the external 0-state on the input produces a transitory internal 1-state. At all other times the internal logic state is 0.
3.1-11		Dynamic input with polarity symbol The transition from the H-level to the L-level on the input produces a transitory internal 1-state. At all other times the internal logic state is 0.

IEEE Standard Graphic Symbols for Logic Functions

(Including and incorporating IEEE Std 91a-1991, Supplement to IEEE Standard Graphic Symbols for Logic Functions)

SBGN Project

- SBGN project's ultimate goal: develop standard notation
- Follow ideas from SBML project
    - (but hopefully avoid some of the same mistakes)
- Funding: NEDO, 3 years
    - Not huge, but will get things started
- PIs: Kitano, Hucka, Le Novère, Funahashi

SBGN-1: Two Days of Dialogue about Diagrams

- Examination of some fairly mature notations
- Examination of a spectrum of software tools
- Examination of software and encoding issues
- Development of a list of requirements for SBGN
- Planning the development and standardization of SBGN

Near Future

- Development of SBGN.org
- Community-based development process
- Requirements document and draft specification based in part on SBGN-1
- Workshops: SBGN-2, SBGN-3, probable meetings at ICSB

Miscellaneous

- Lunch on your own today
    - Outside next to AIST, or Wendy's inside MeSci
- Group dinner tonight (self-pay)
    - Dining Sai Pedi Shiodome
      Tokyo Shiodome Building 2F (next to the hotel)
      http://r.gnavi.co.jp/g220021/map1.htm
      Course menu: 4,500 yen (including 2 hour free drinks)
- **Tomorrow starts at 9:00 AM! (and end at 5PM)**
- Tomorrow box lunches will be available
    - We need a count today
- Last minute schedule changes