



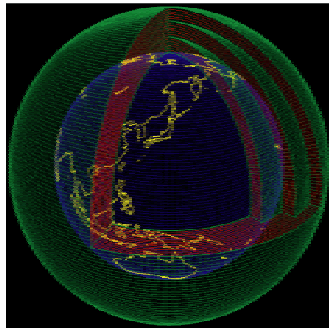
Data Mining Strategy

Kenji Taniguchi

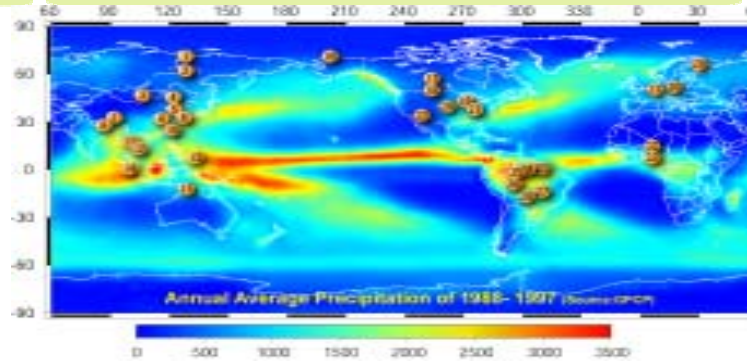
Dept. of Civil Engineering, Univ. of Tokyo



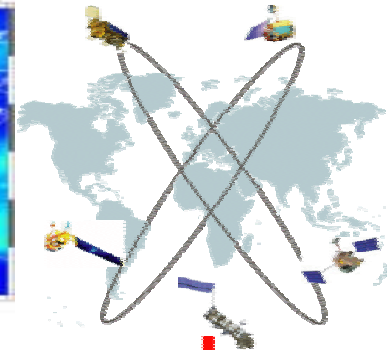
Model Outputs by Numerical
Weather Prediction Centers



Surface Observational (*in-situ*) Data from
the 33 CEOP Reference Sites



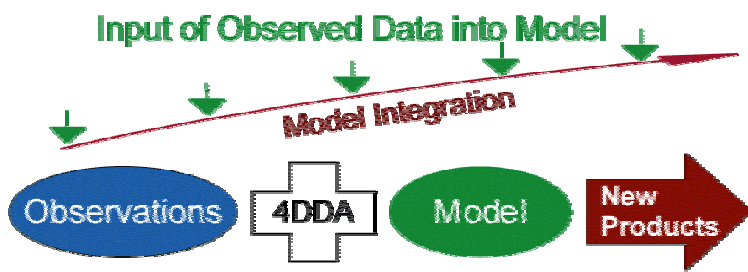
Satellite Remote
Sensing Data



In-Situ Data Archiving Center at UCAR
(Center at University Corporation for
Atmospheric Research) of USA
<http://www.ucar.edu/>

MODEL Output Data
Archiving Center at Max-
Planck Institute of Germany
<http://www.mpg.de/>

Data Integrating/Archiving Center
at University of Tokyo and NASDA
of Japan
<http://monsoon.t.u-tokyo.ac.jp/ceop/>



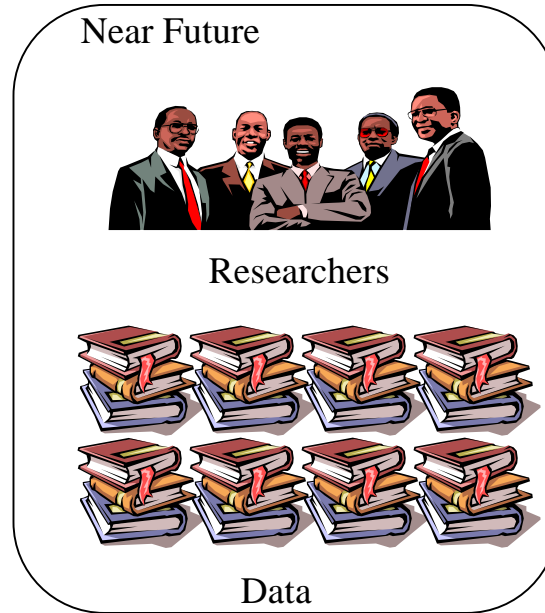
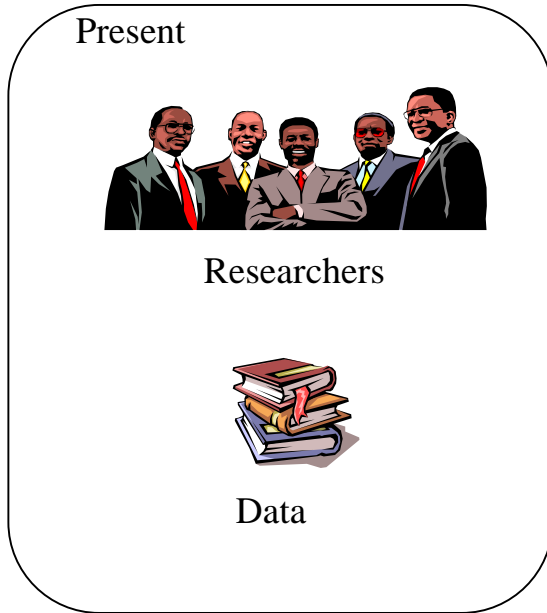
Global Land Data
Assimilation System at
NASA Goddard Space
Flight Center of USA
<http://ldas.gsfc.nasa.gov/>



Data Archive Center



Back Grounds



Same number...
Same abilities...



Too huge amount of data...



How to exploit HUGE data...??

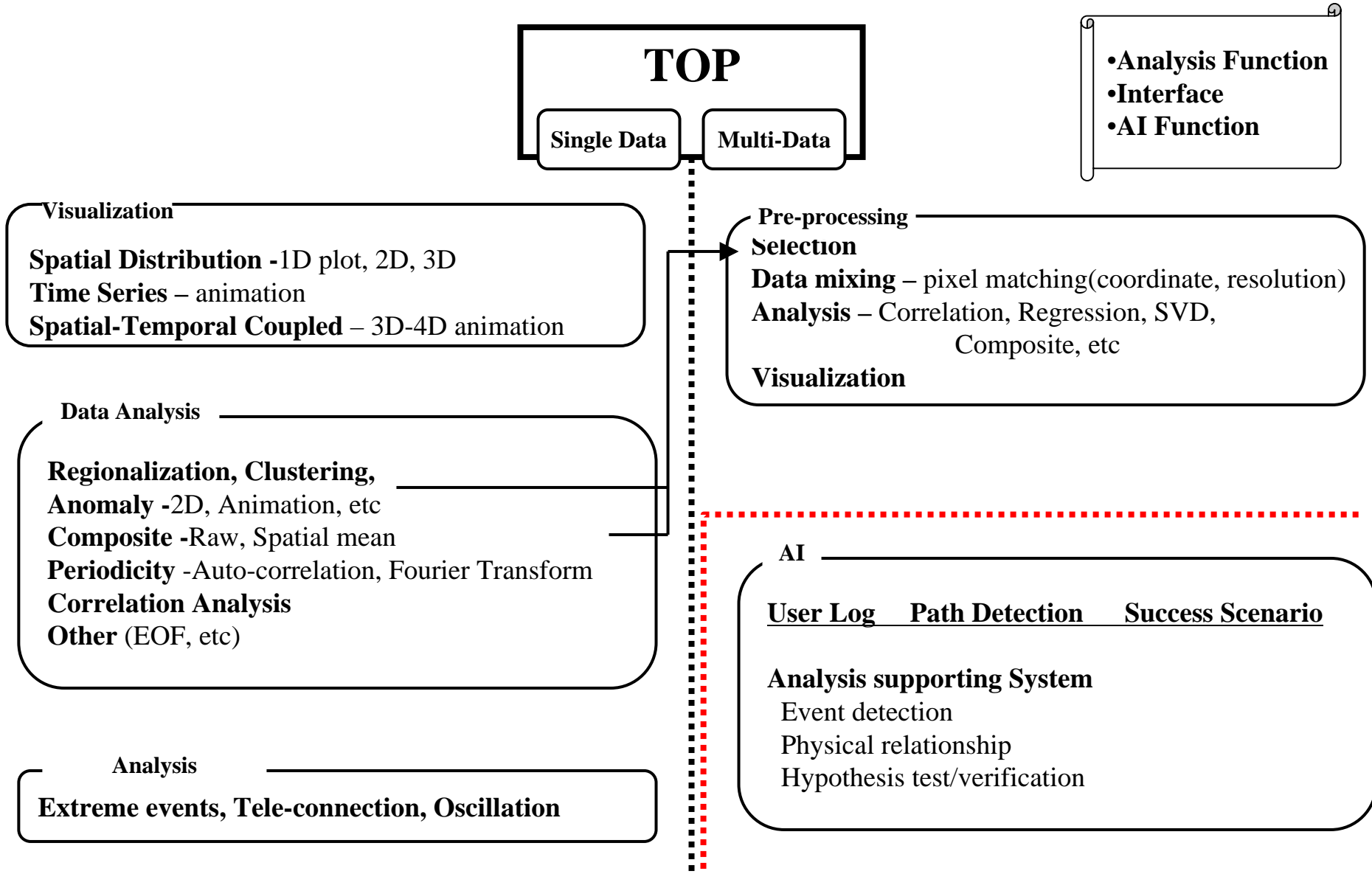
Keywords

Visual Data Mining

- Data Base
- Visualization
- Targeting
- Data Mixing
- Artificial Intelligence
- Interface, Recognition

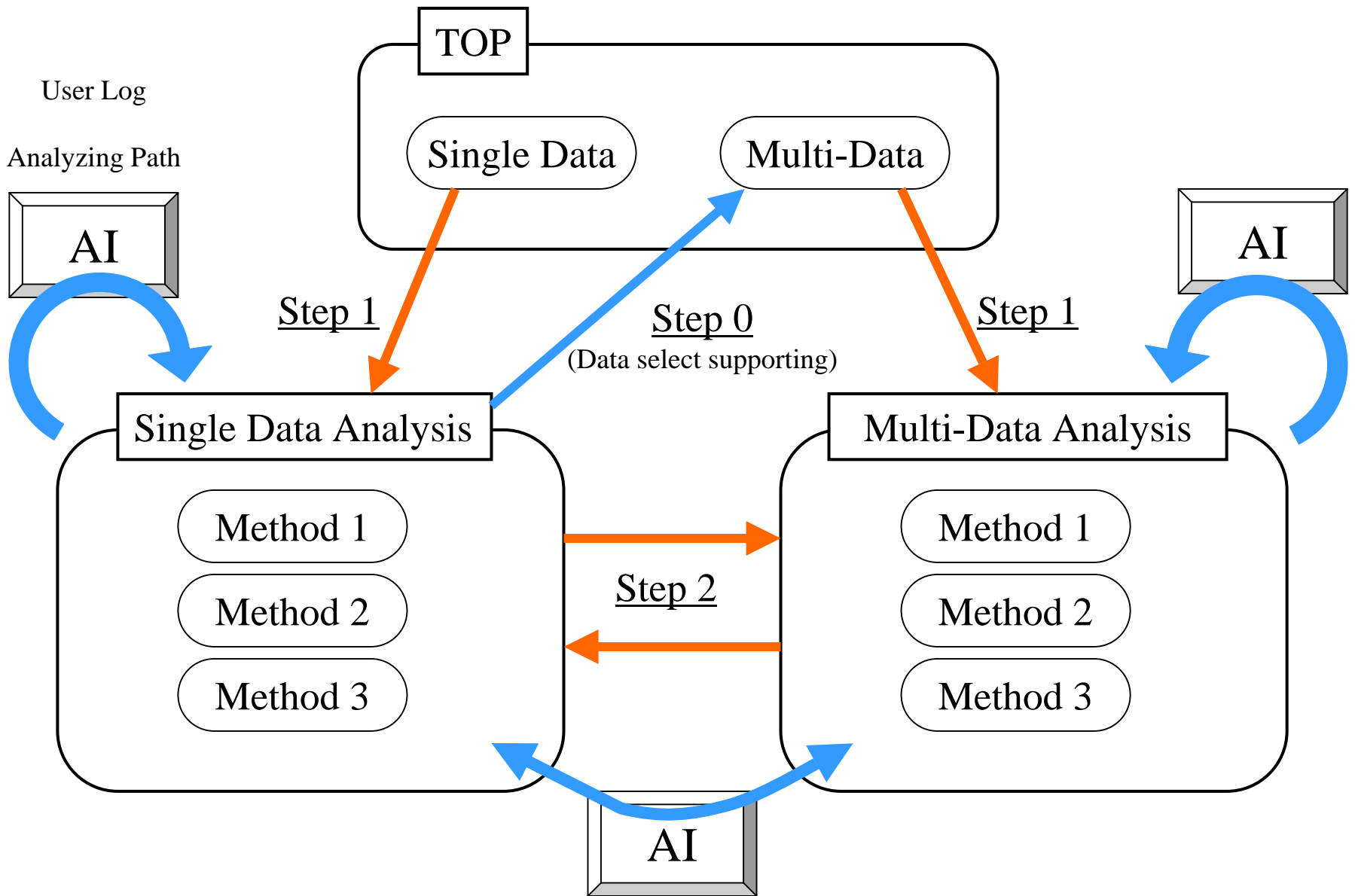


- Framework -



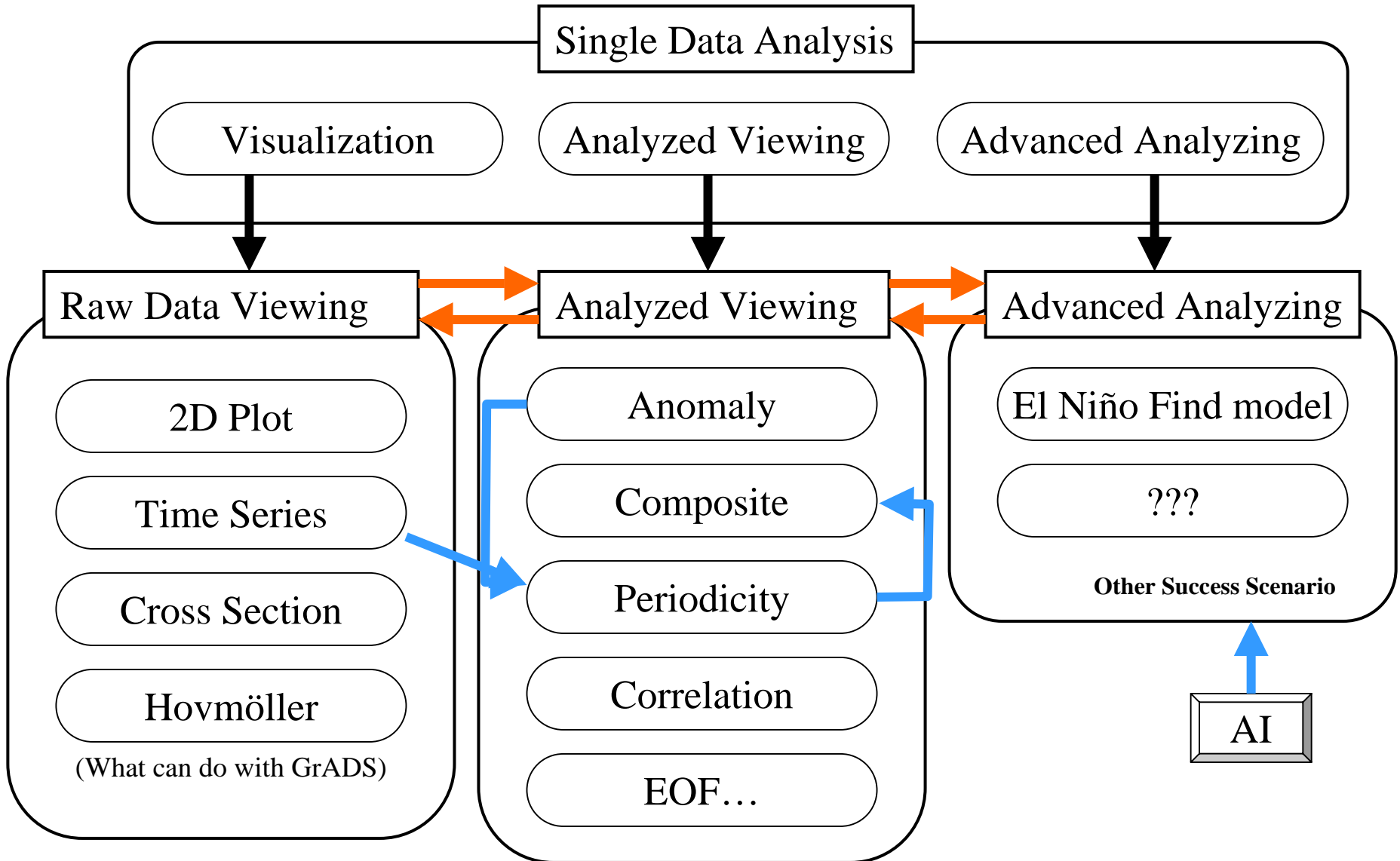


- Interface and Process of Analysis (general) -



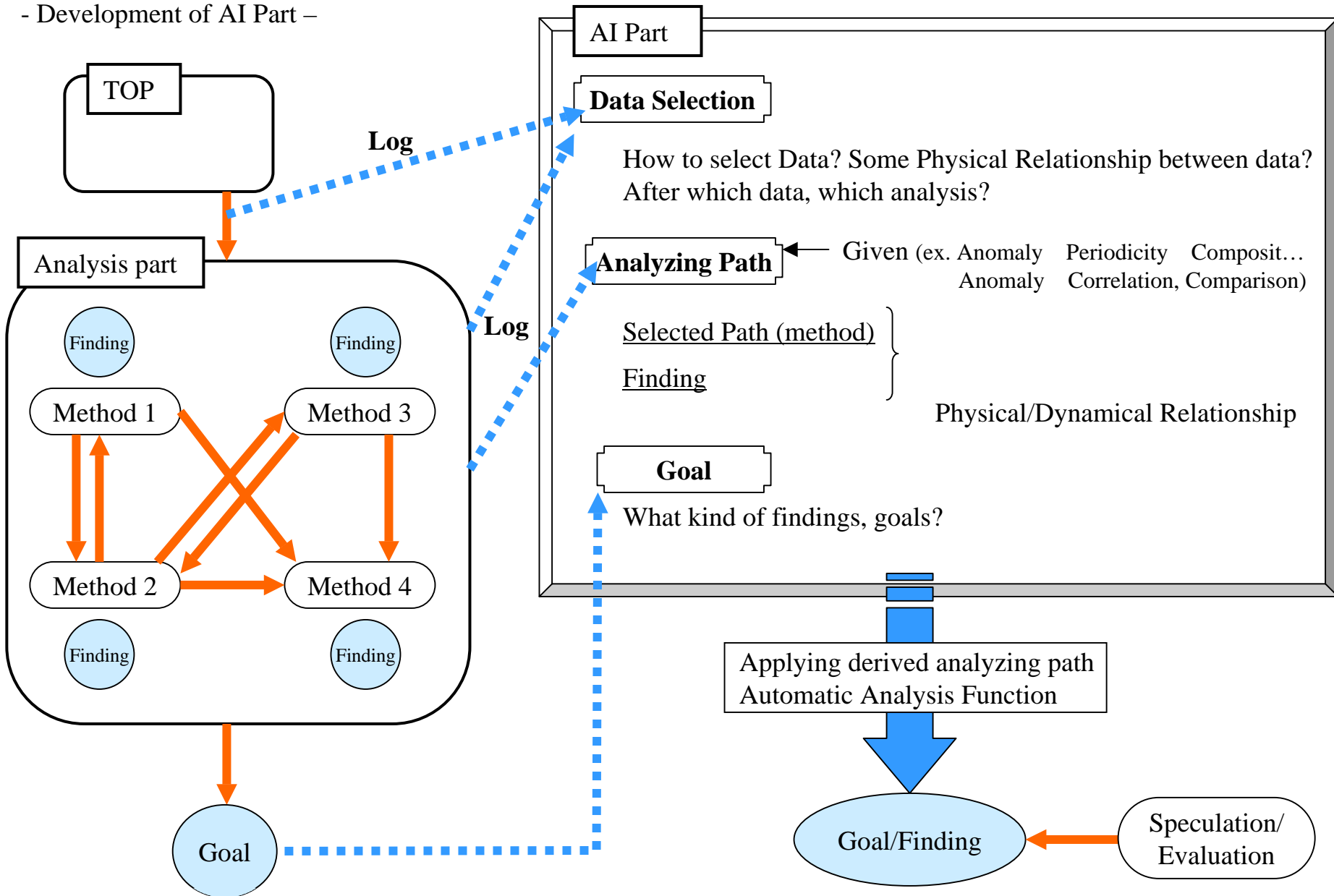


- Interface of Analysis (Single Data) -





- Development of AI Part -





-Present & Future

➤ Current Situation

- Developing *On-line* analysis system
 - Display Interface
 - Analyzing methods

➤ Future ~for further Dream

- How to apply *this specific fruit* for general user?
- It is indispensable to include some knowledge of *Cognition Sciences*.
- We should get *an Excellent result* by using this system to public our activities and involve researchers globally.