Bayesian TV: A Concept of Real-time Media for Emergency Information

<tv service="digital-typhoon.tv"
subscriber="kitamoto@nii.ac.jp" />

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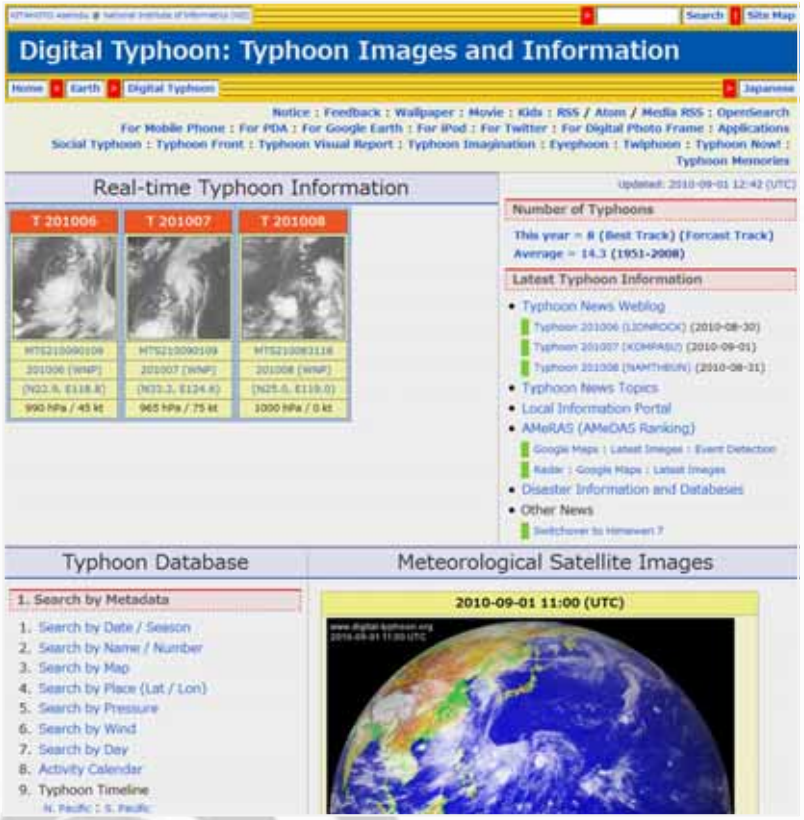
Use Case: Digital Typhoon Project

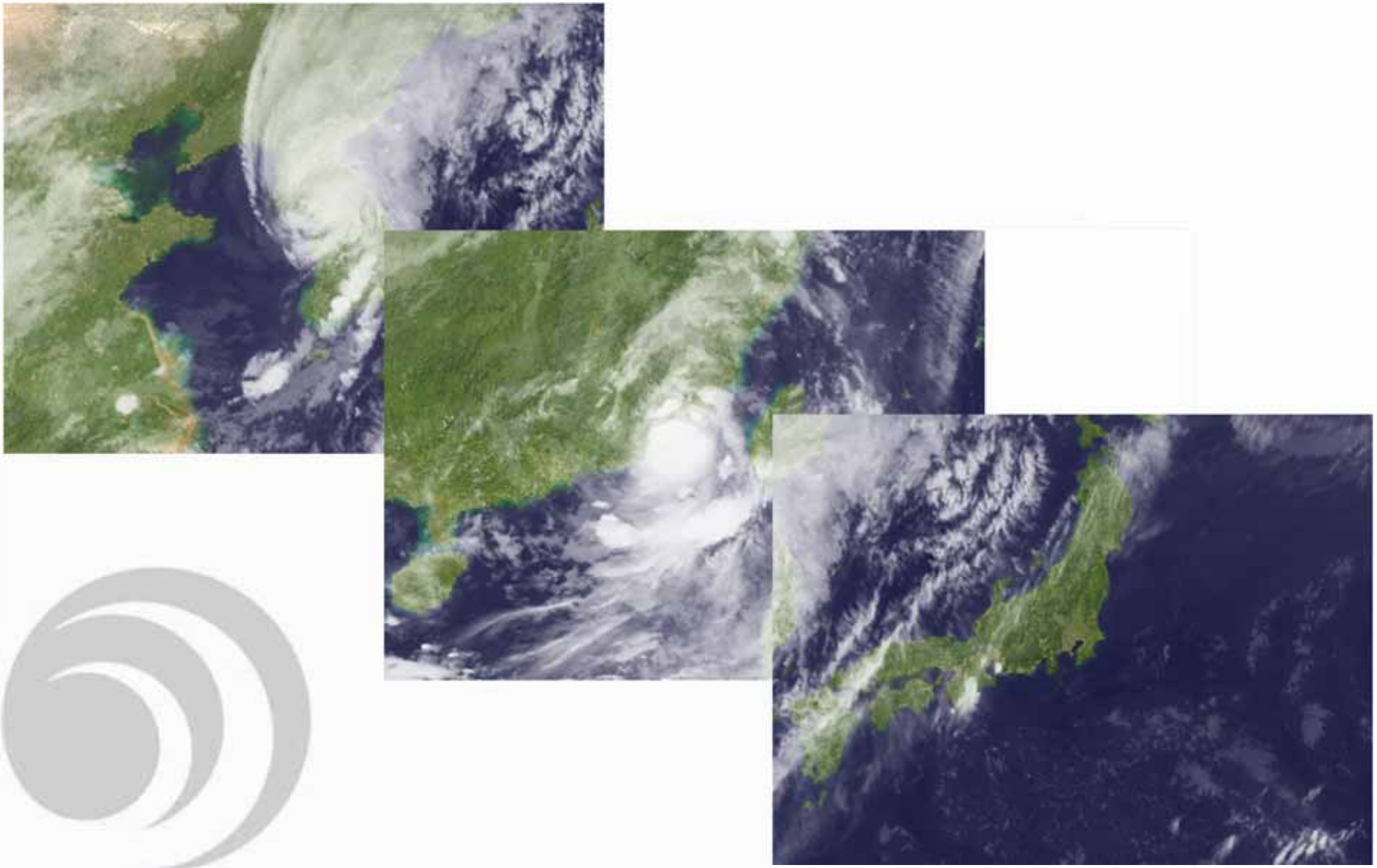
http://www.digital-typhoon.org/



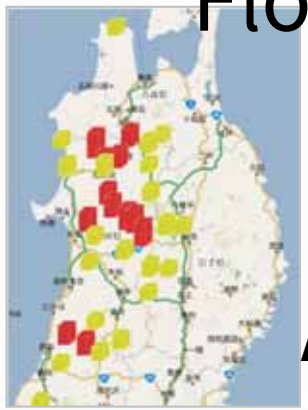
One of the most famous typhoon Website in Japan.
One million PV in a day at max.

- Integrate heterogeneous sources in near real-time.
- **Pull** media (Present Web) for normal situations.
- **Push** media (Metaphor TV) for emergency situations.

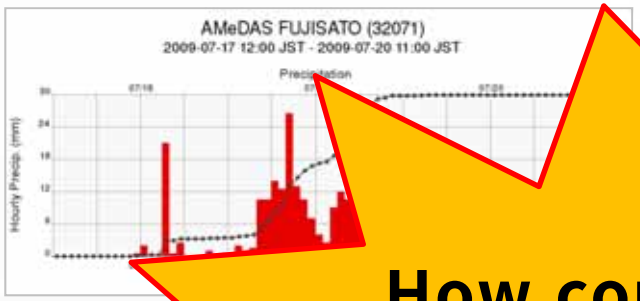
Satellite Images of This Morning



Flood of Information in Emergency



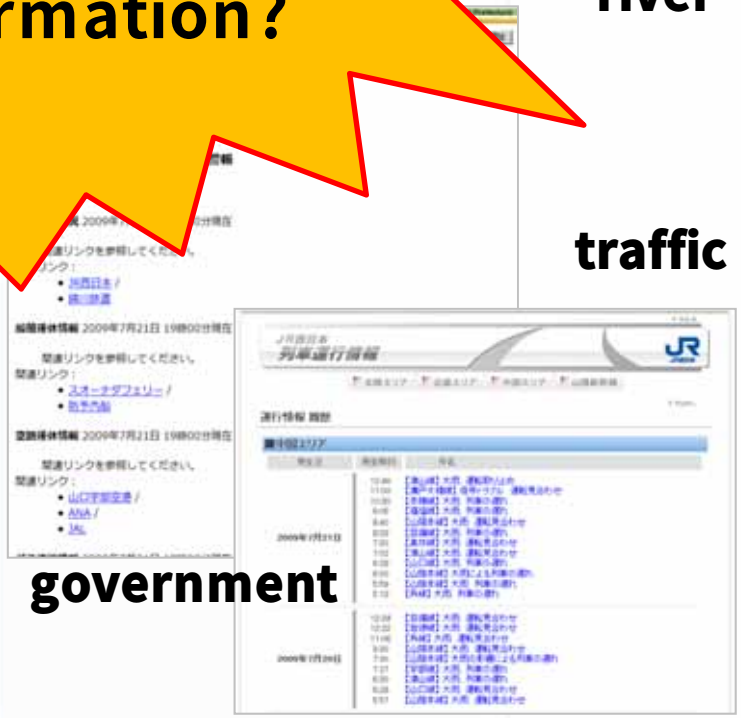
AMeDAS



river

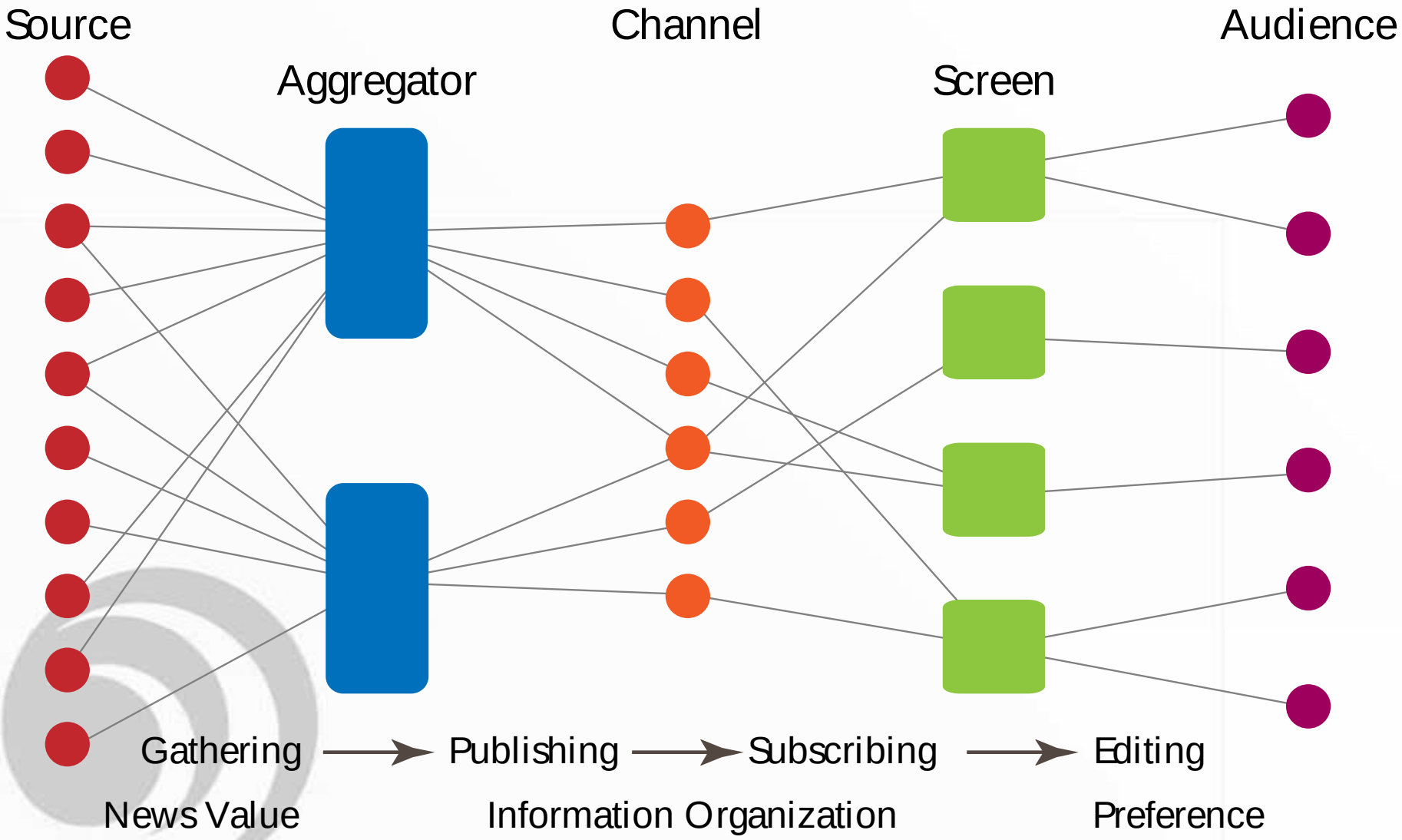
How could I use all the information?

traffic

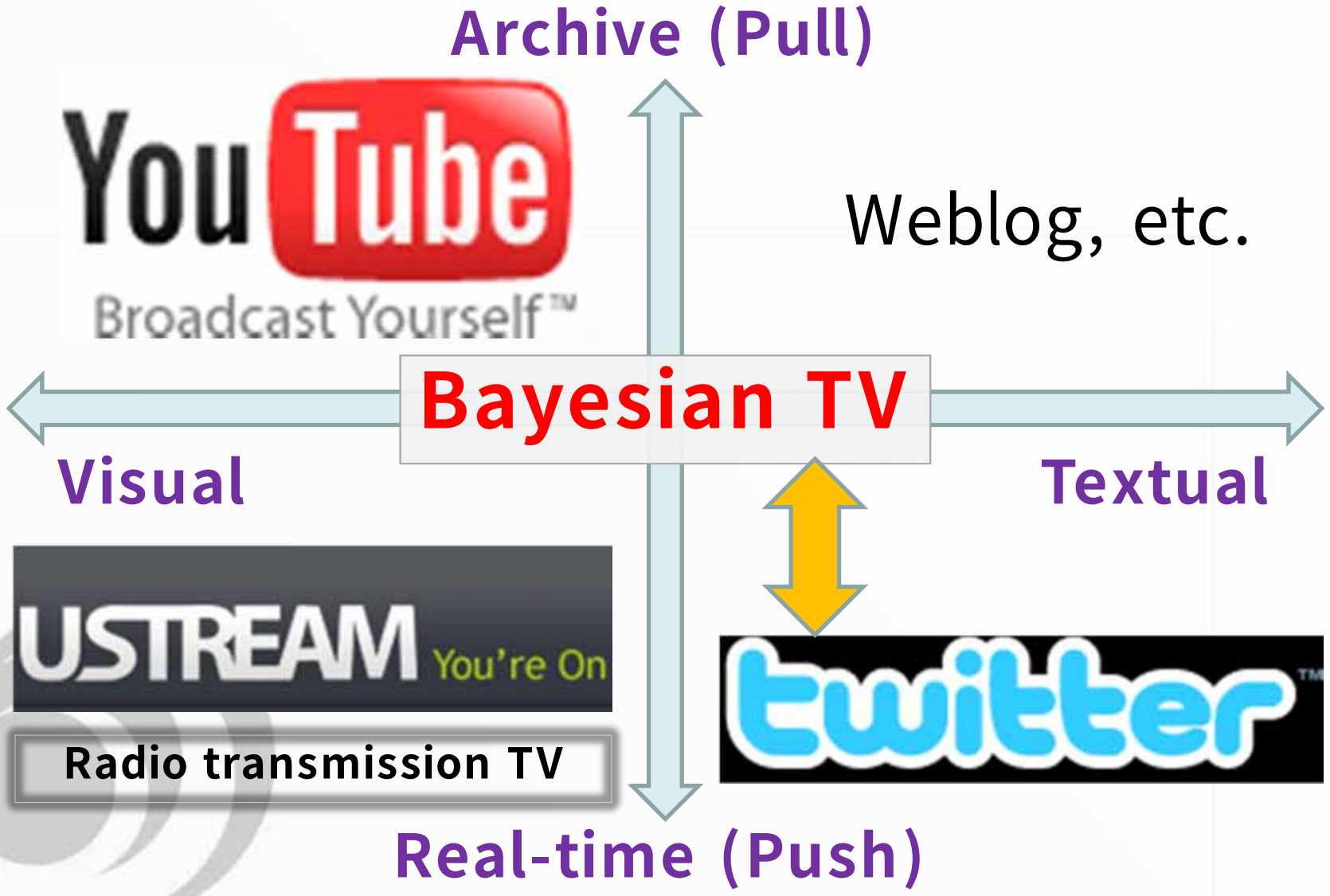


government

Architecture



Toward Real-time Media



Reinvent the TV for the Web era!

- Message recommendation based on news value and user preference (Bayesian model).
- Management of topical channels (hyperchannels / microchannels).
- Automatic editing of news stories from subscribed streams.
- Information visualization using HTML5 Canvas element.

More information

- **Digital Typhoon**
  - http://www.digital-typhoon.org/
- **Social Typhoon**
  - http://www.eye.tc/
- Personal Website
  - http://agora.ex.nii.ac.jp/~kitamoto/
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