A Narrative Topic Map Visualization to Summarize and Recall a Meeting

Suhyun Lim[1] Chanhee Park[2] Hyunwoo Han[3] Jaejong Ho[4]
Junyup Hong[5] Soojung Lee[6] Kyungwon Lee[7]
[1234]Lifemedia Interdisciplinary Program [567]Department of Digital Media, Ajou University

1. Design Goal

The visualization shows the relationship between keywords.

Target users need narrative information such as “**What** topics are discussed, **who**’s talking, and **when**?”

2. Visual Interface

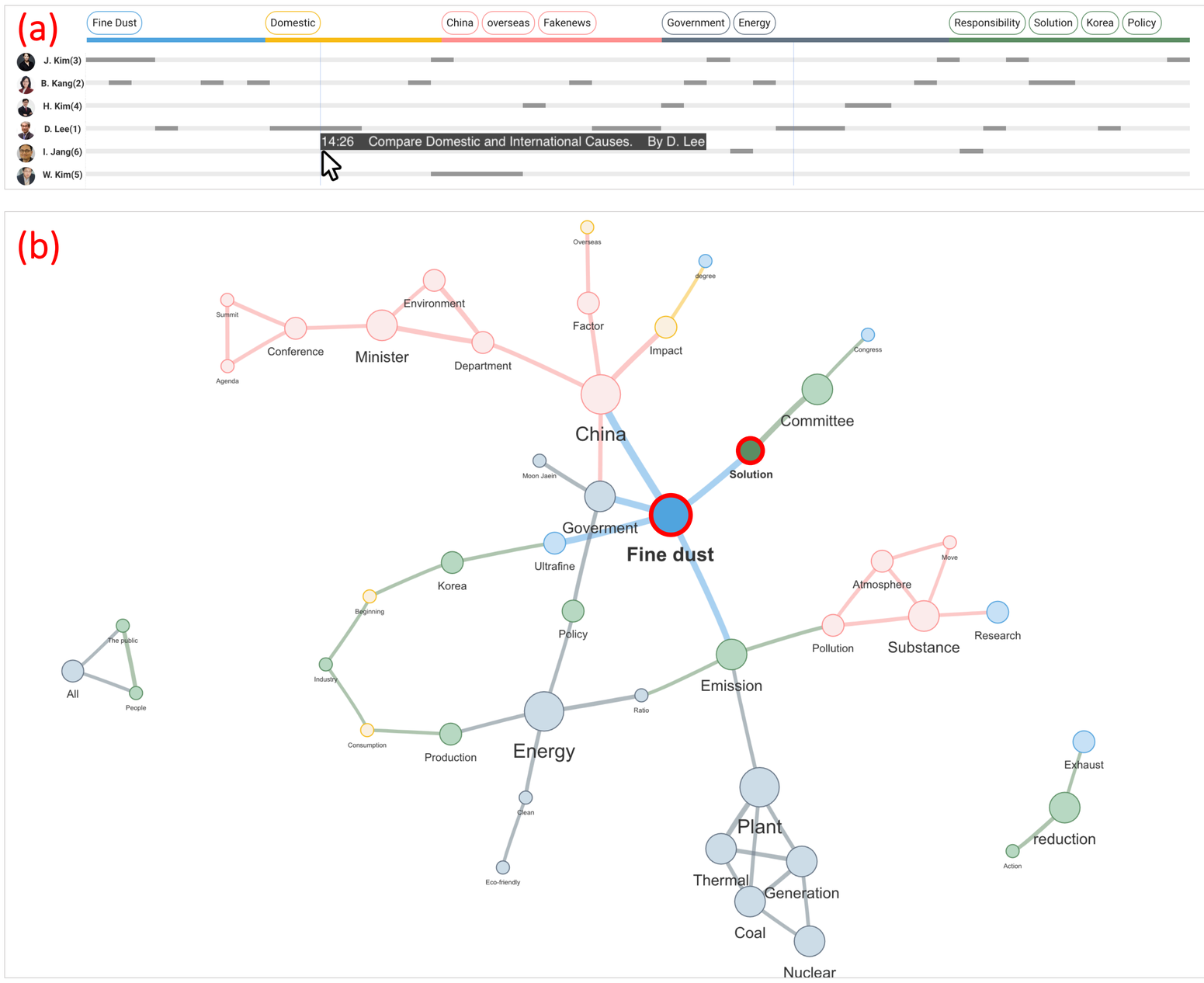
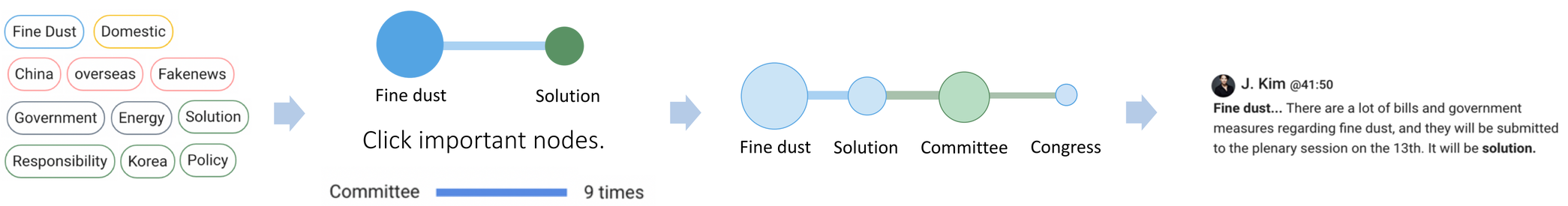


Figure 1. (a) The speech section graph enables the main keywords by agenda be identified and the time and frequency of the conversation participants' speech be confirmed. (b) Topic Map is a network that organizes information according to relations of topics. This is effective in classifying large amounts of information and exploring semantic associations. (c) Keywords used with selected nodes are displayed in order of use. It shows the actual mentions of the selected nodes.

3. Exploration Flow



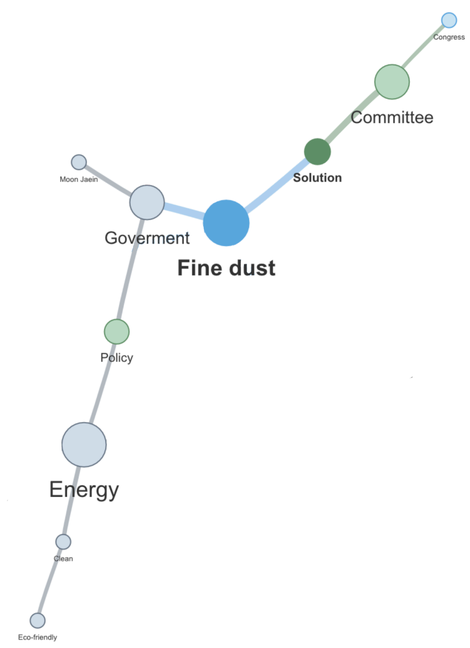
Find agenda keywords.

Check clicked nodes related to keywords.

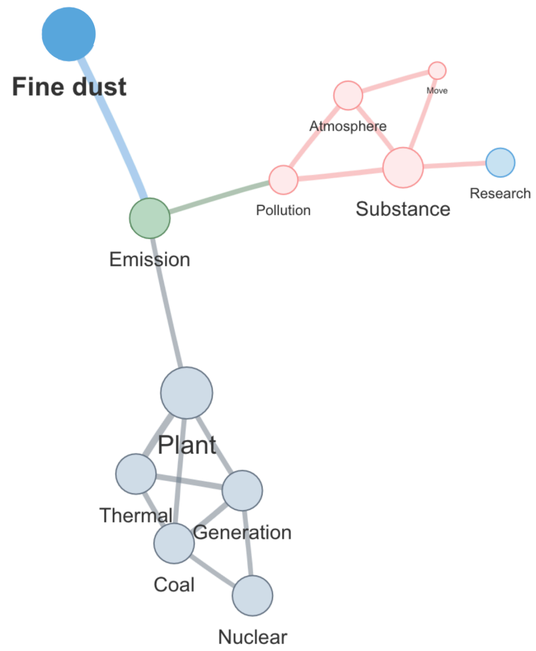
Discover keywords’ relations.

Get insight through keywords’ detail mentions.

4. Case Study



The solution to the fine dust problem is to form a committee of congress. For that, Moon Jae-in The Government should make eco-friendly and clean energy policy.



Emissions of fine dust are generated from nuclear or coal-based plants that produce thermal energy. In addition, emissions of fine dust pollute air substances while mi and move air substance. Research on the fine dust substance is needed.