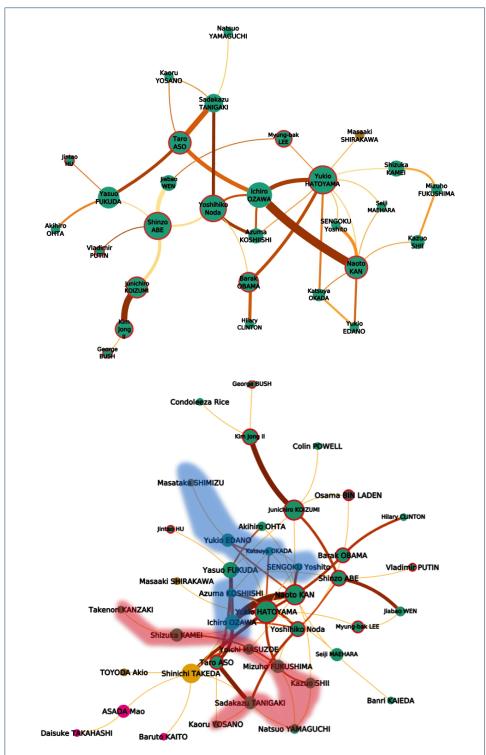
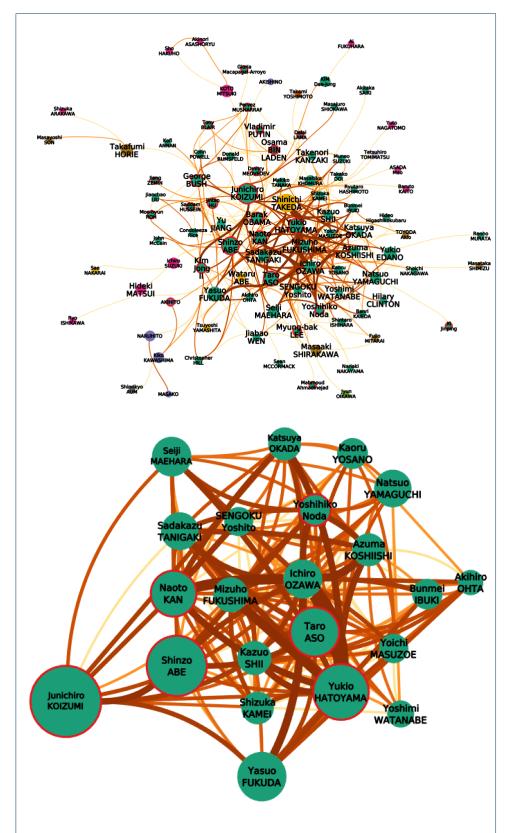
Renoust et al. Page 1 of 17

## **Appendix**



**Figure 6** The pictures better seen zoomed. Green: politicians, brown: businessmen, yellow: journalists, pink: athletes, purple: imperial family. Circled in red are world leaders and PM. The size of the node reflects its betweenness centrality. From light yellow to dark orange, the edges color and width encode their weight. (Top) The network of persons overlapping on screen. (Bottom) The network of persons appearing on a same shot, with two communities in the colored areas.

Renoust et al. Page 2 of 17



**Figure 7** Pictures better seen zoomed. Same encoding as in Figure 6. Edge weight corresponds to the number of common news segments. (Top) The network of persons detected during a same topic. (Bottom) The k-core (k=13) of this network.

Renoust et al. Page 3 of 17

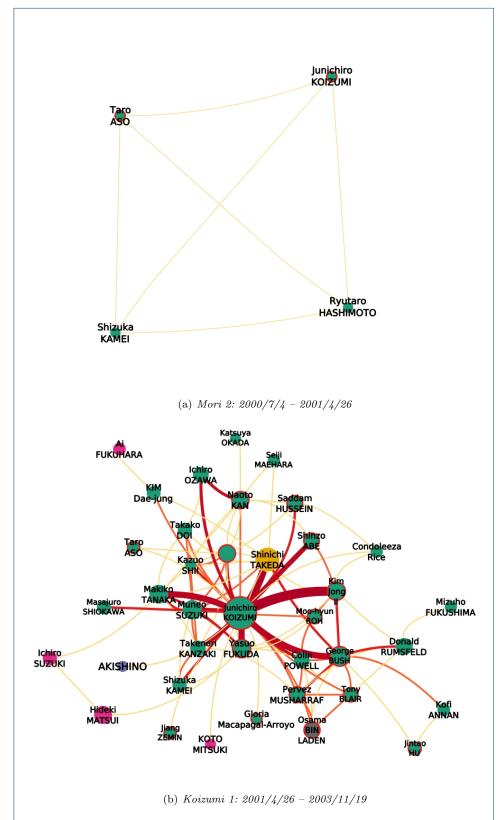


Figure 9 The networks are better seen zoomed. From Mori 2 (a) to Abe 2 (k), the topic networks during the different cabinets with the same encoding as in Figure 6.

Renoust et al. Page 4 of 17

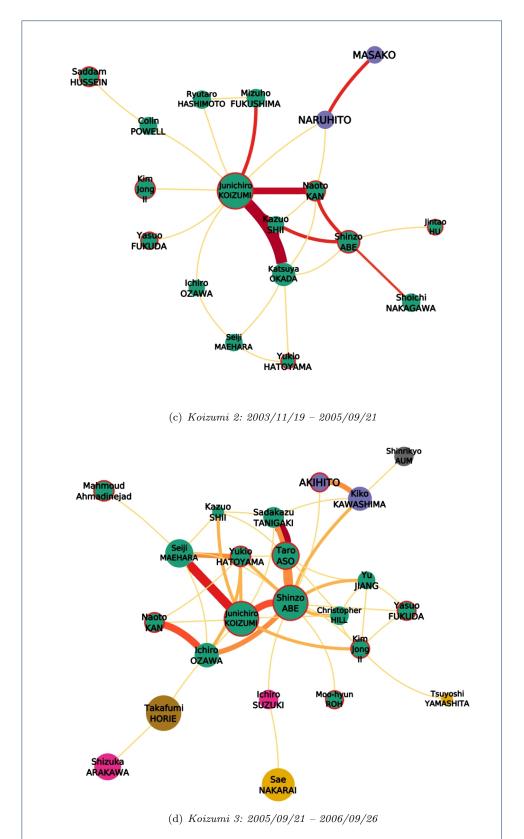
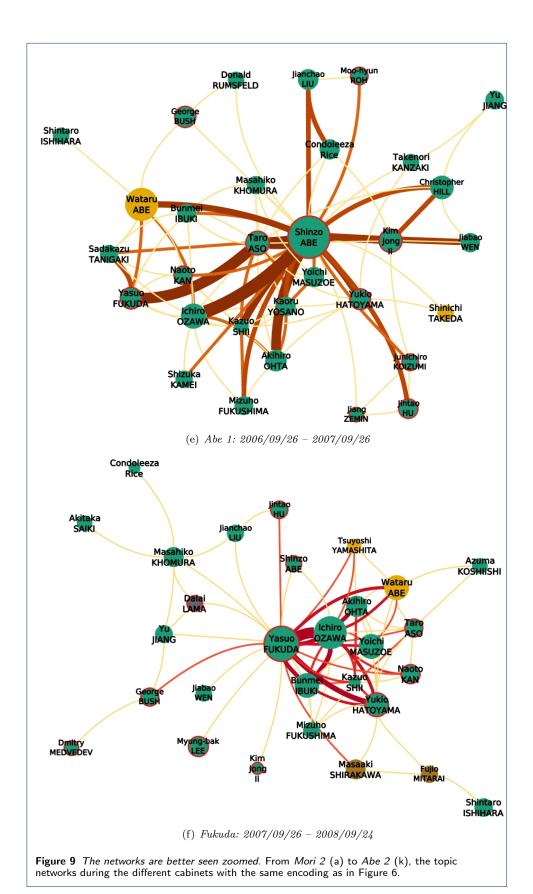


Figure 9 The networks are better seen zoomed. From Mori 2 (a) to Abe 2 (k), the topic networks during the different cabinets with the same encoding as in Figure 6.

Renoust et al. Page 5 of 17



Renoust et al. Page 6 of 17

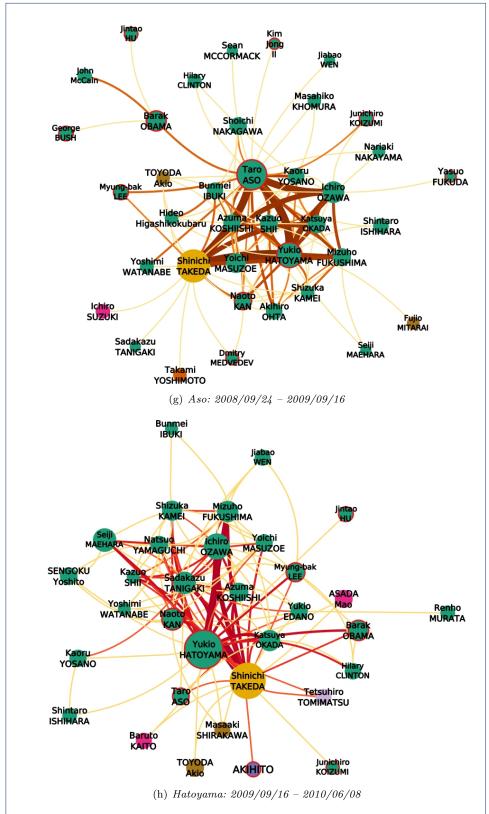
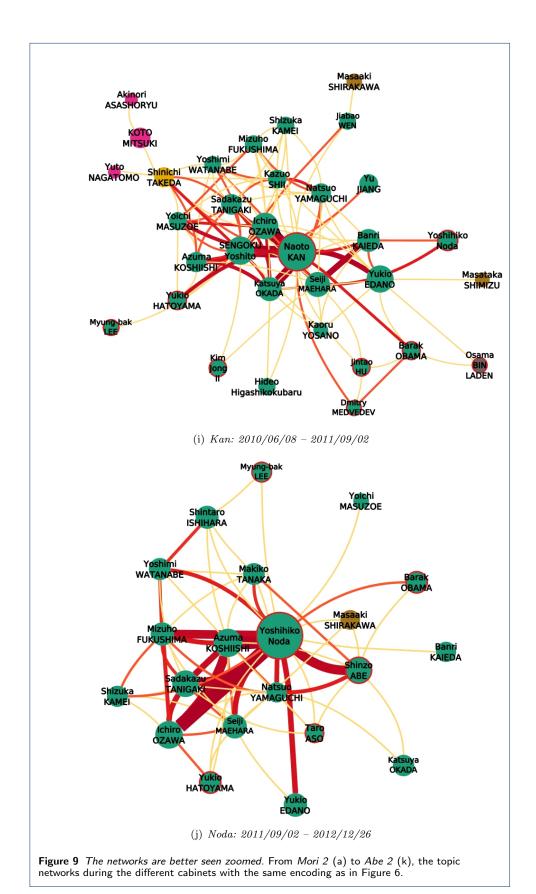


Figure 9 The networks are better seen zoomed. From Mori 2 (a) to Abe 2 (k), the topic networks during the different cabinets with the same encoding as in Figure 6.

Renoust et al. Page 7 of 17



Renoust et al. Page 8 of 17

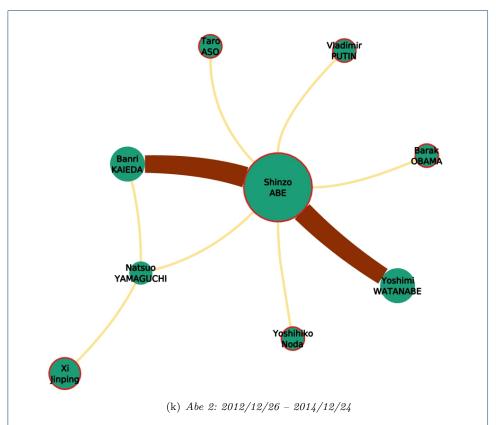
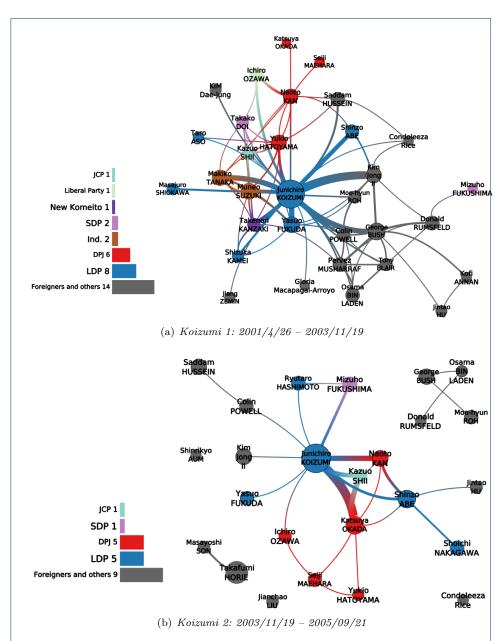


Figure 9 The networks are better seen zoomed. From Mori 2 (a) to Abe 2 (k), the topic networks during the different cabinets with the same encoding as in Figure 6.

Renoust et al. Page 9 of 17



**Figure 12** The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks during the different cabinets colored with the political affiliations. The size of a node (or the width of an edge) encodes the number of news segments in which a (or both) politician(s) appeared.

Renoust et al. Page 10 of 17

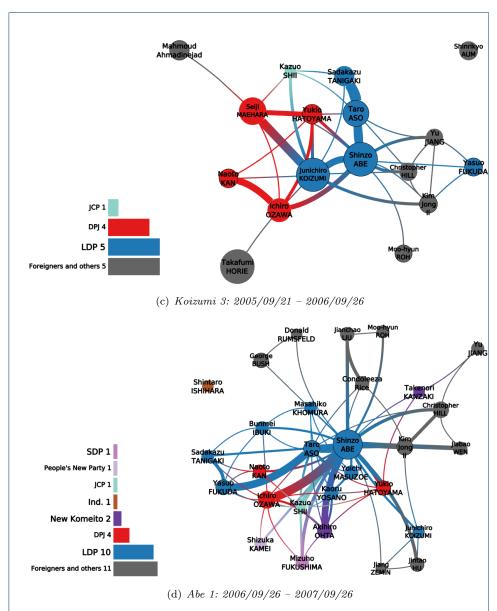


Figure 12 The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks during the different cabinets colored with the political affiliations. The size of a node (or the width of an edge) encodes the number of news segments in which a (or both) politician(s) appeared.

Renoust et al. Page 11 of 17

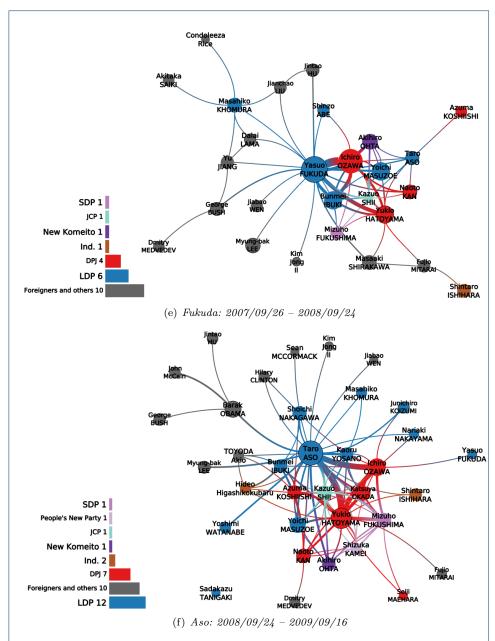
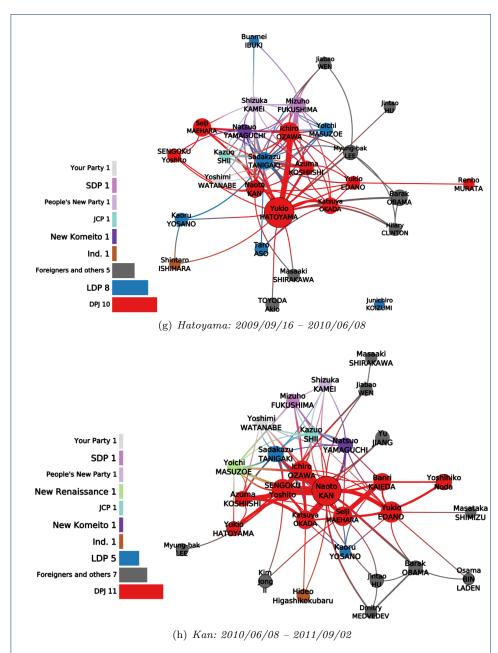


Figure 12 The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks during the different cabinets colored with the political affiliations. The size of a node (or the width of an edge) encodes the number of news segments in which a (or both) politician(s) appeared.

Renoust et al. Page 12 of 17



**Figure 12** The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks during the different cabinets colored with the political affiliations. The size of a node (or the width of an edge) encodes the number of news segments in which a (or both) politician(s) appeared.

Renoust et al. Page 13 of 17

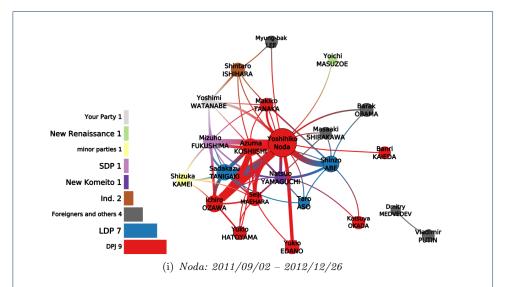
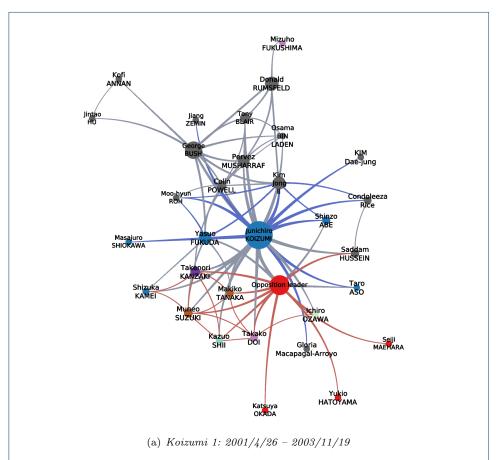
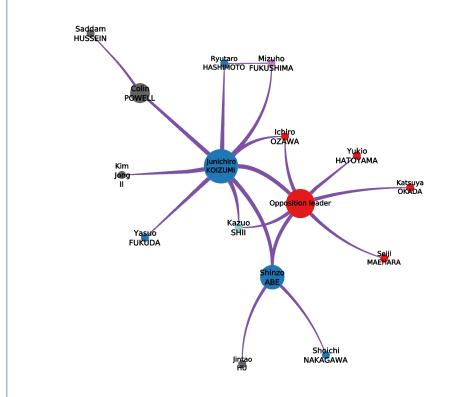


Figure 12 The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks during the different cabinets colored with the political affiliations. The size of a node (or the width of an edge) encodes the number of news segments in which a (or both) politician(s) appeared.

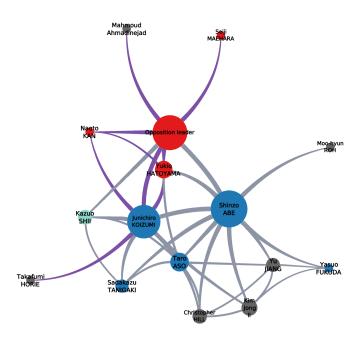


**Figure 13** The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks with the Louvain communities highlighted – red and blue links depending on the PM's and OL's affiliation (respectively DPJ and LDP) – purple links if both figure belong to the same community – grey links are out of these communities. The size of a node represents its centrality, nothing encode the size/color of an edge.

Renoust et al. Page 14 of 17



(b) Koizumi 2: 2003/11/19 - 2005/09/21



(c) Koizumi 3: 2005/09/21 - 2006/09/26

**Figure 13** The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks with the Louvain communities highlighted – red and blue links depending on the PM's and OL's affiliation (respectively DPJ and LDP) – purple links if both figure belong to the same community – grey links are out of these communities. The size of a node represents its centrality, nothing encode the size/color of an edge.

Renoust et al. Page 15 of 17

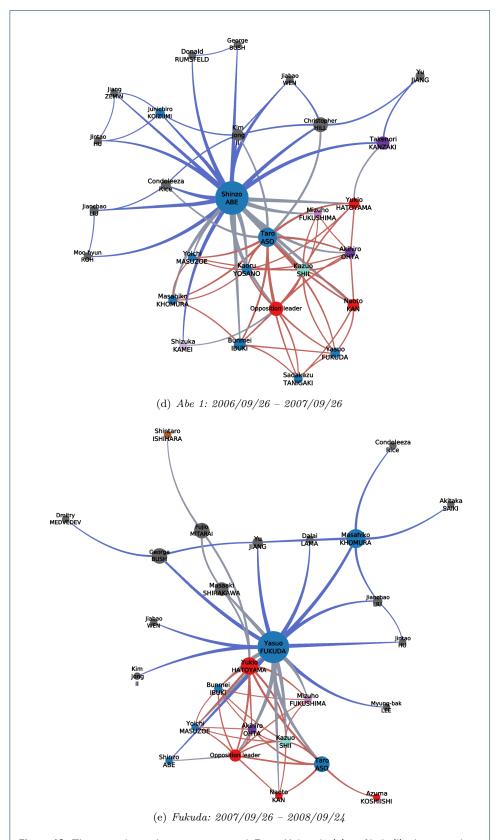
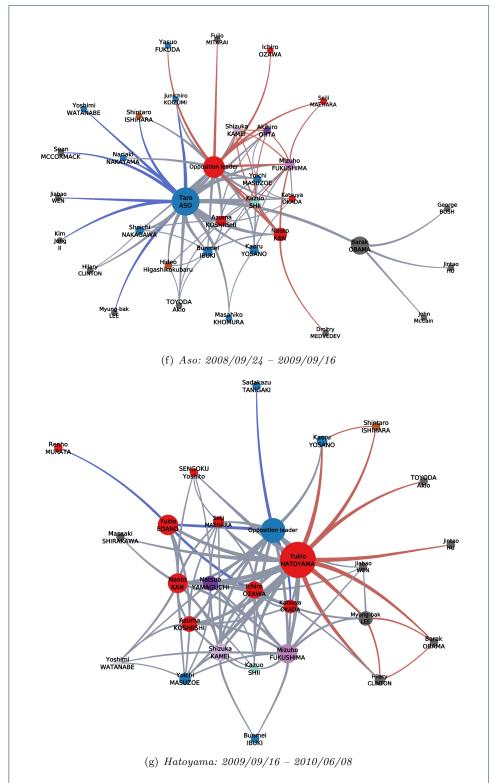


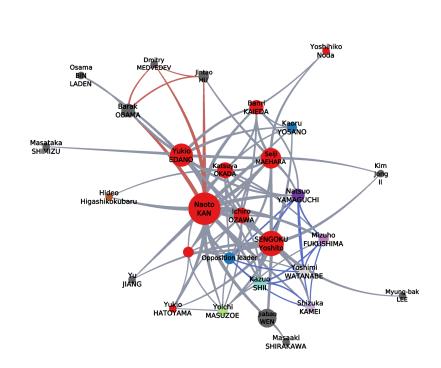
Figure 13 The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks with the Louvain communities highlighted – red and blue links depending on the PM's and OL's affiliation (respectively DPJ and LDP) – purple links if both figure belong to the same community – grey links are out of these communities. The size of a node represents its centrality, nothing encode the size/color of an edge.

Renoust et al. Page 16 of 17

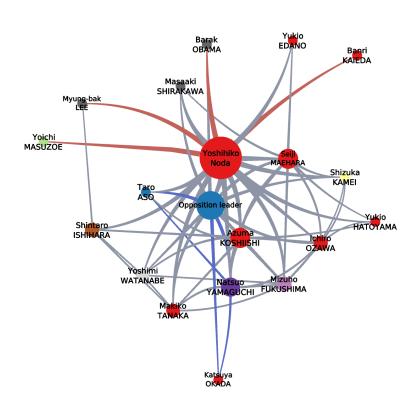


**Figure 13** The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks with the Louvain communities highlighted – red and blue links depending on the PM's and OL's affiliation (respectively DPJ and LDP) – purple links if both figure belong to the same community – grey links are out of these communities. The size of a node represents its centrality, nothing encode the size/color of an edge.

Renoust et al. Page 17 of 17



(h) Kan: 2010/06/08 - 2011/09/02



(i) Noda: 2011/09/02 - 2012/12/26

**Figure 13** The networks are better seen zoomed. From Koizumi1 (a) to Noda (i), the networks with the Louvain communities highlighted – red and blue links depending on the PM's and OL's affiliation (respectively DPJ and LDP) – purple links if both figure belong to the same community – grey links are out of these communities. The size of a node represents its centrality, nothing encode the size/color of an edge.