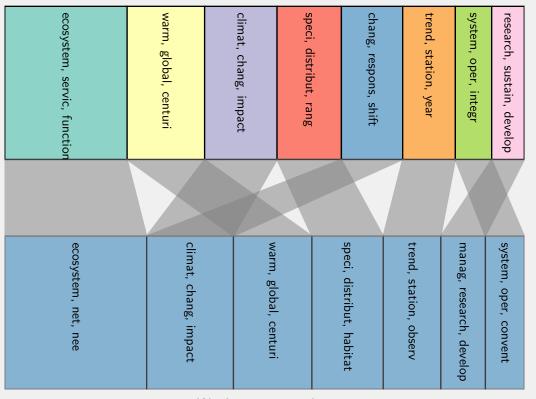
## Dynamic topics in $doc_1$



|               | $doc_3$  |
|---------------|--|
| $doc_2$       |  |
| $c_1$ Ecologi | cal responses to recent climate change   |
| There is      | s now ample evidence of the ecological impacts of  |
|               | climate change, from polar terrestrial to tropical environments. The responses of both flora and   |
| fauna sp      | pan an array of ecosystems and organizational  |
|               | ies, from the species to the community levels. continued uncertainty as to community and   |
| ecosyst       | trajectories under global change, our review   |
| systems       | a coherent pattern of ecological change across  Although we are only at an early stage in the discrete |
|               | nt climate change are already clearly visible.   |

 $\approx$ 

## Window topics in $doc_1$

| Topic<br>Doc | ecosystem<br>net<br>nee | climat<br>chang<br>impact | warm<br>global<br>centuri | speci<br>distribut<br>habitat |   |
|--------------|-------------------------|---------------------------|---------------------------|-------------------------------|---|
| $doc_1$      | 0.034                   | 0.021                     | 0.019                     | 0.017                         |   |
| $doc_2$      |                         |                           |                           |                               | × |
| $doc_3$      |                         |                           |                           |                               |   |

|  | Term<br>Topic             | chang | ecolog | global | recent |
|--|---------------------------|-------|--------|--------|--------|
|  | ecosystem<br>net<br>nee   | 0.18  | 0.39   | 0.01   | 0.03   |
|  | climat<br>chang<br>impact | 6.33  | 0      | 0.22   | 0.19   |
|  | warm<br>global<br>centuri | 0     | 0      | 3.72   | 0.31   |

| Term<br>Doc | chang | ecolog | global | recent |
|-------------|-------|--------|--------|--------|
| $doc_1$     | 4     | 3      | 2      | 2      |
| $doc_2$     |       |        |        |        |
| $doc_3$     |       |        |        |        |
| $doc_4$     |       |        |        |        |

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