

**Online Appendix to:**

**Rare Events and Long-Run Risks<sup>\*</sup>**

**Robert J. Barro and Tao Jin**

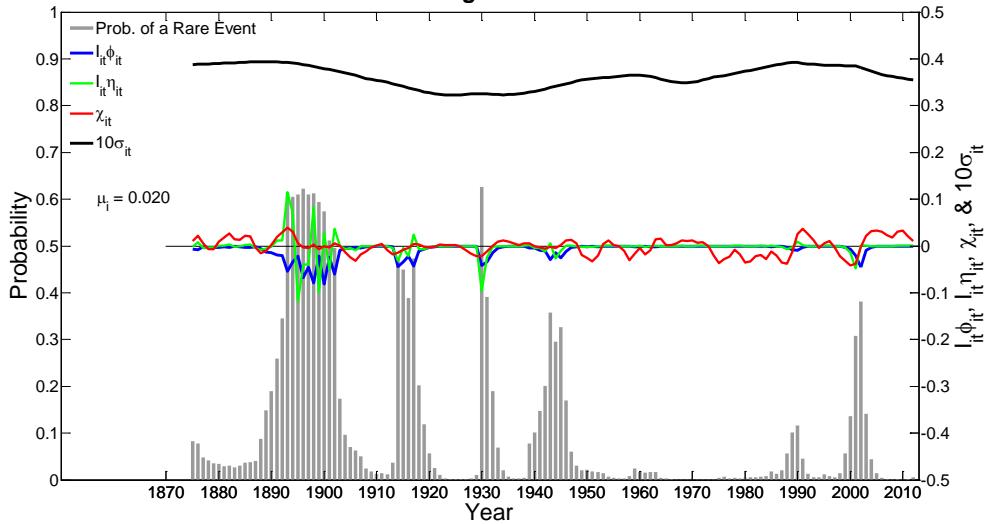
**Harvard University and Tsinghua University**

December 2015

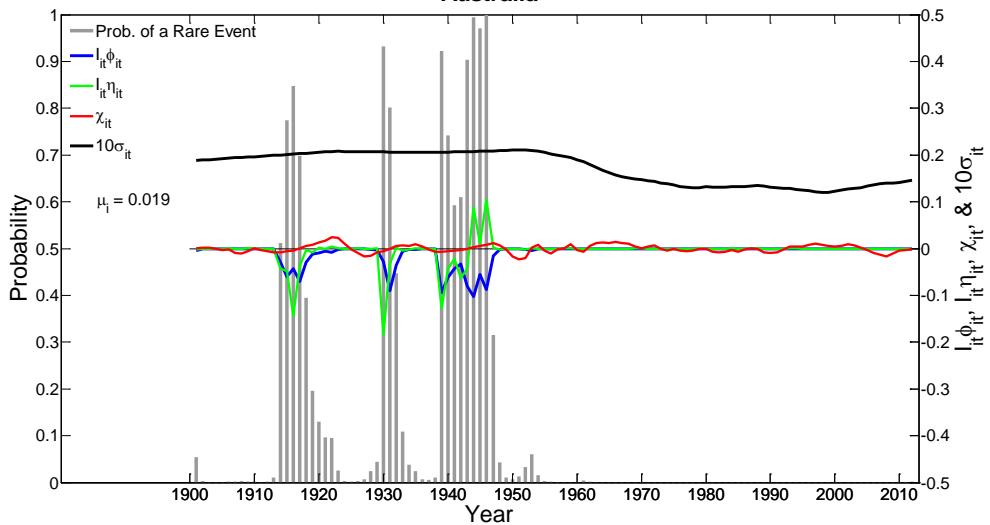
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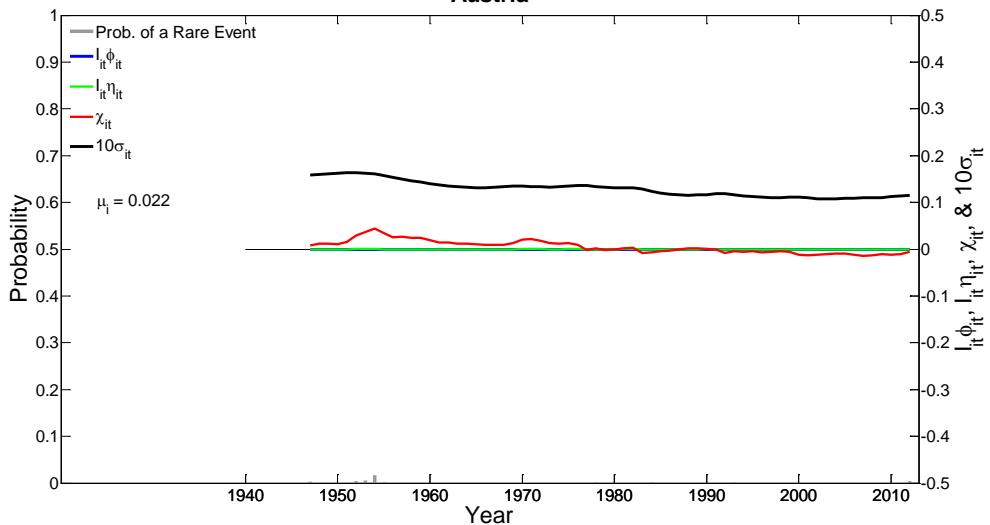
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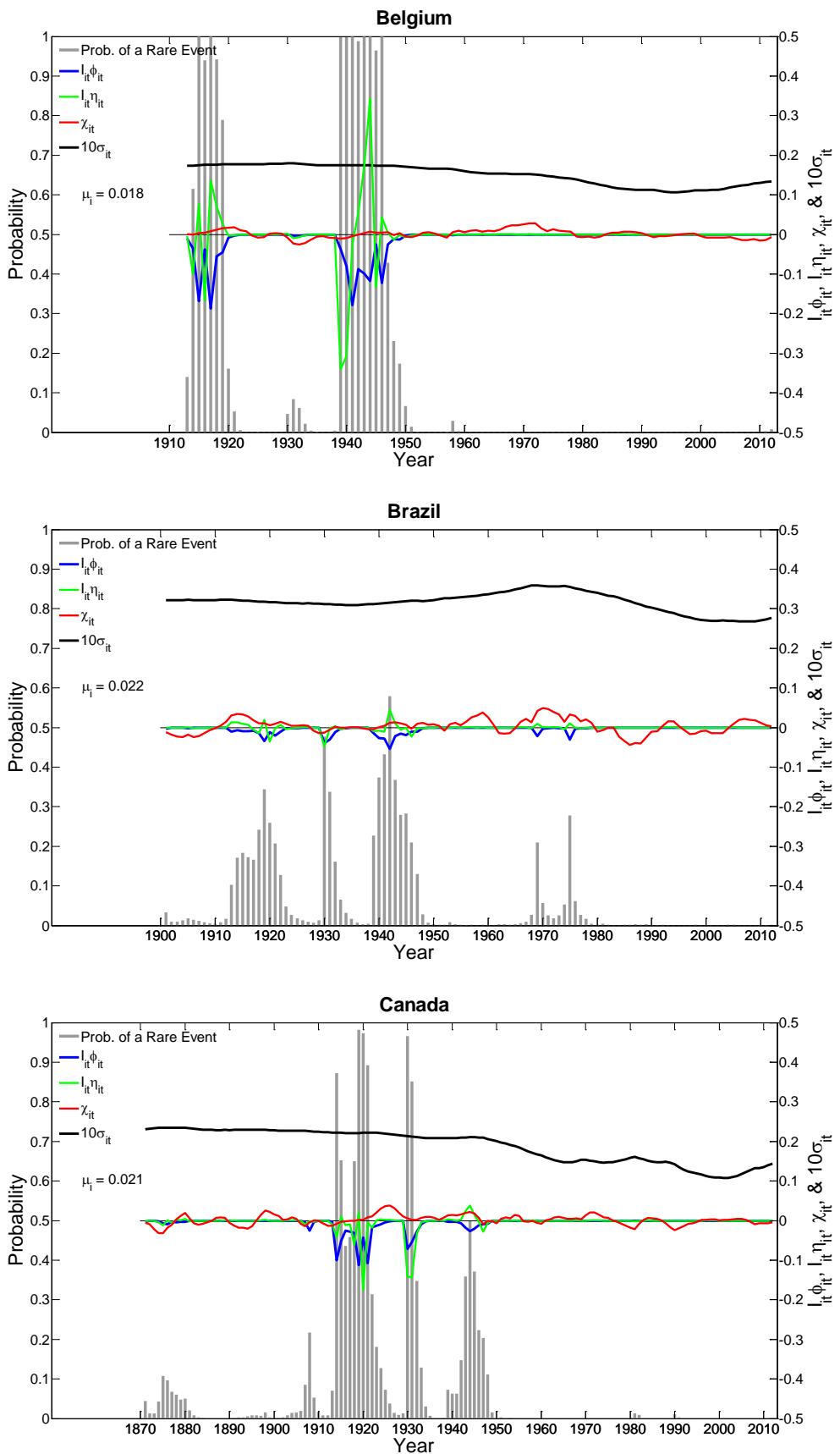


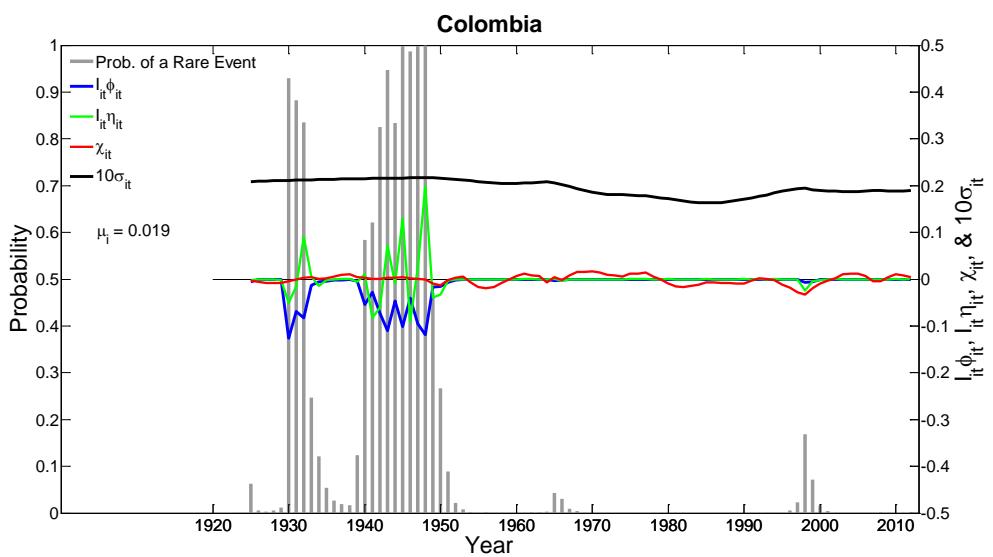
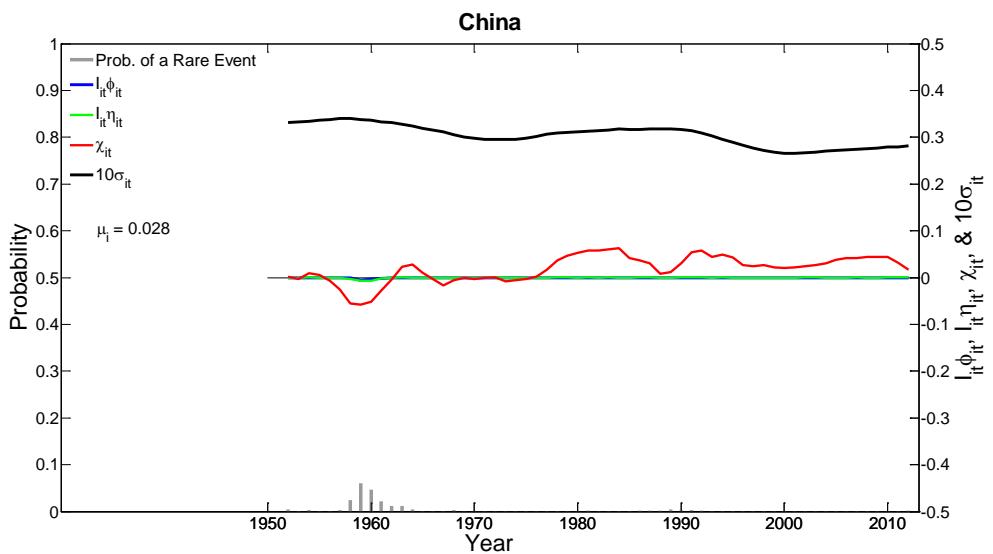
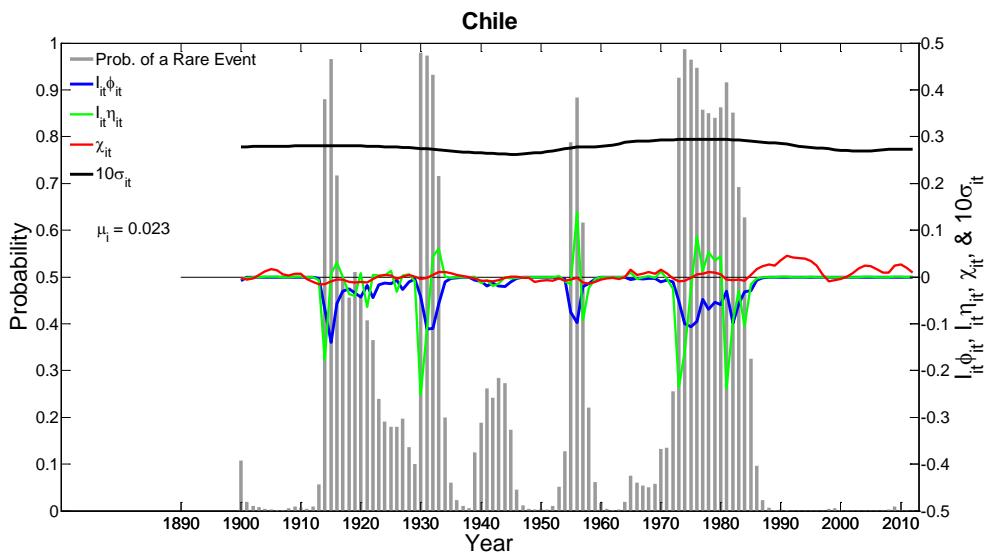
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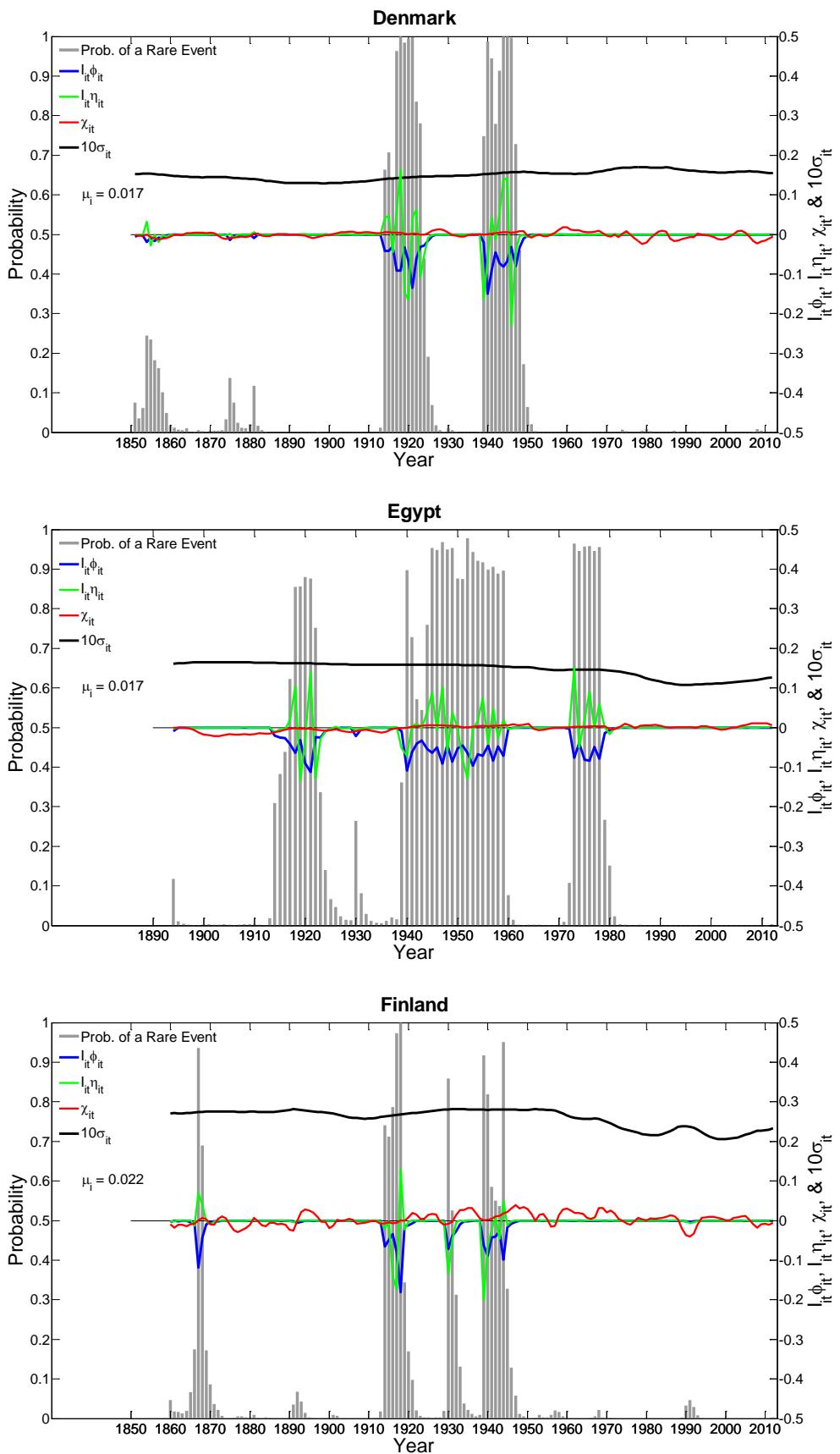


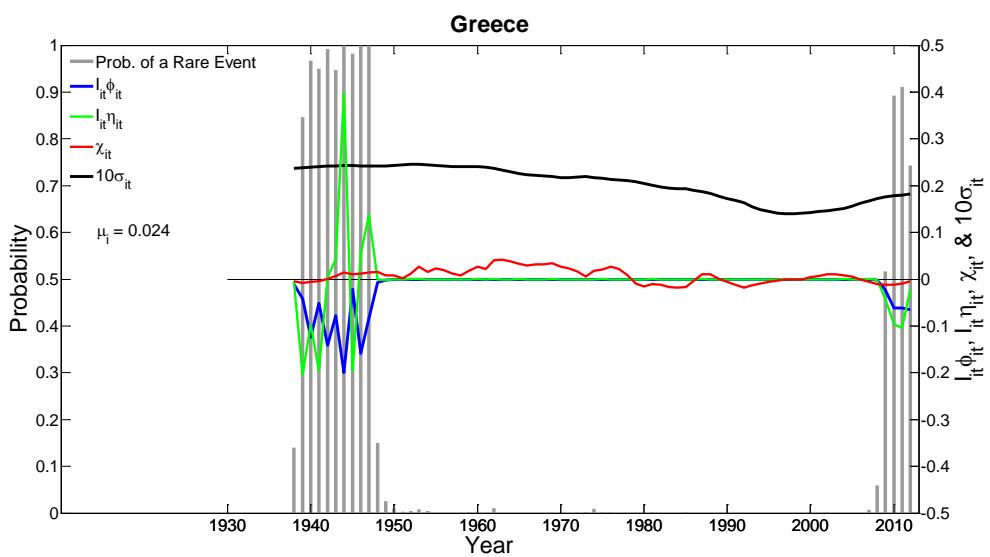
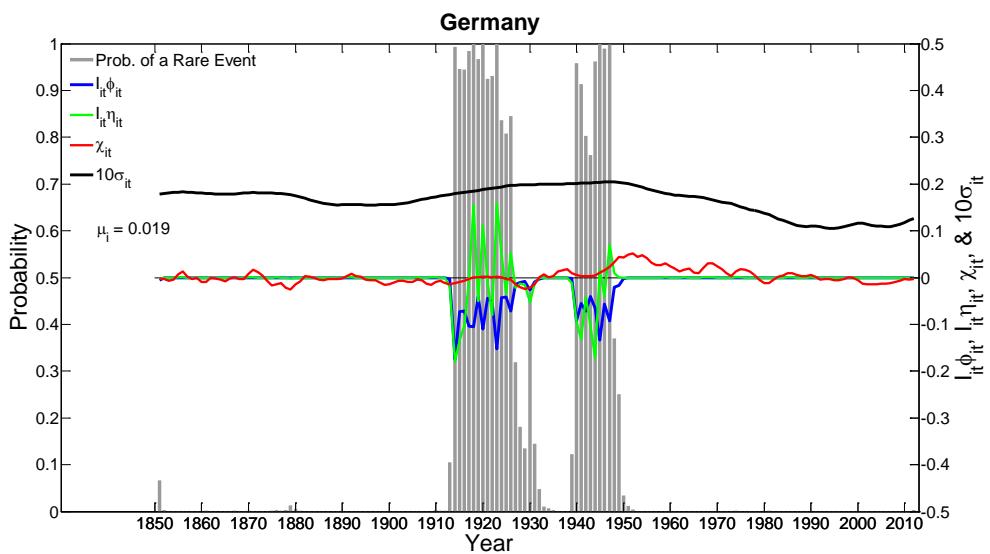
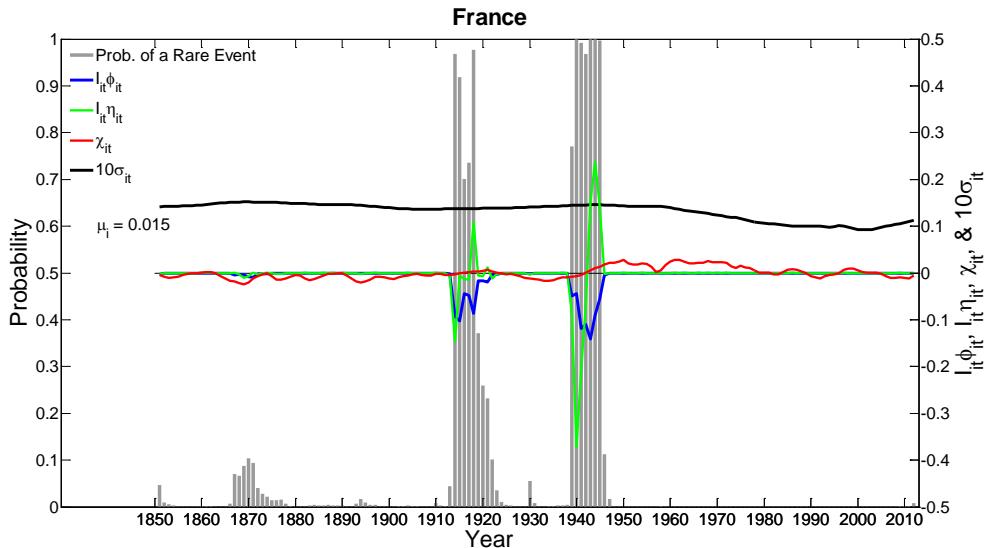
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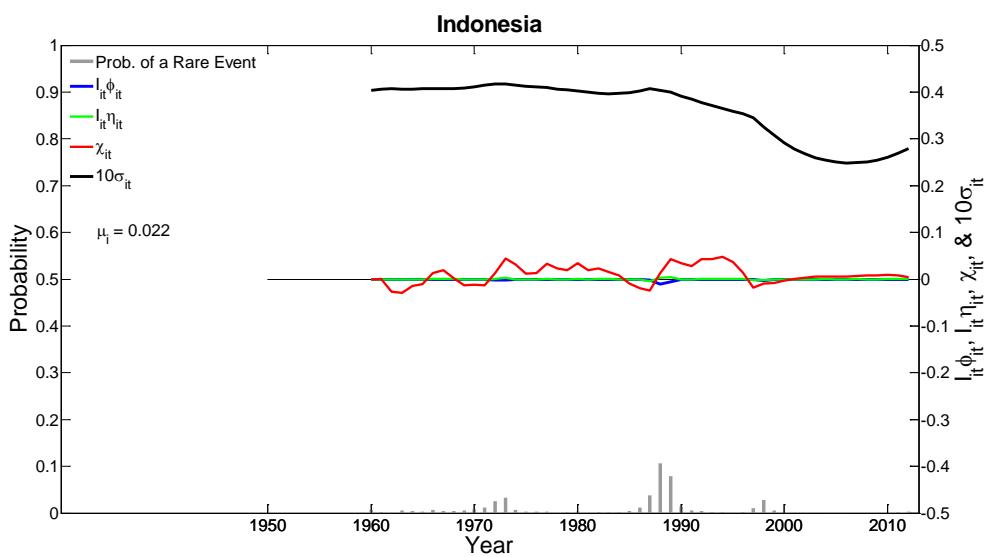
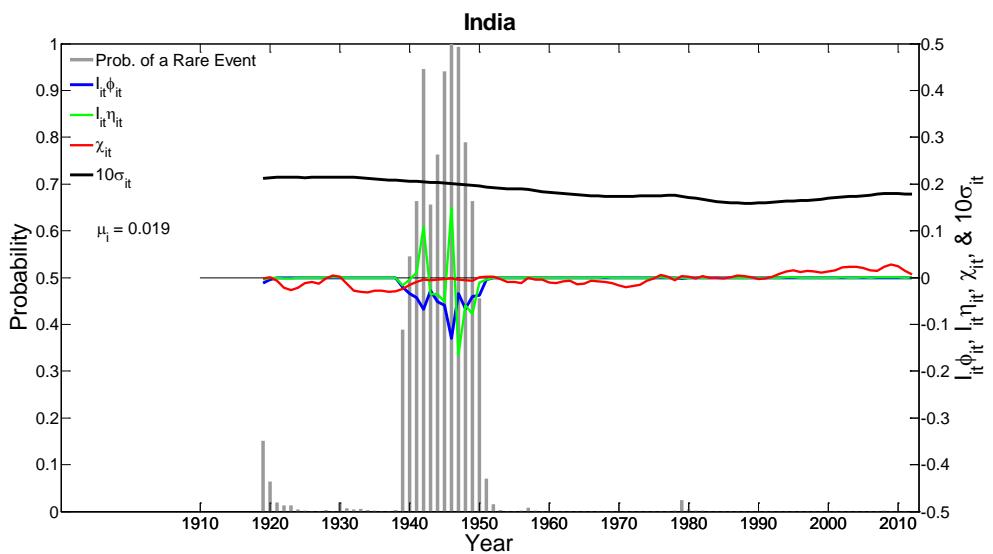
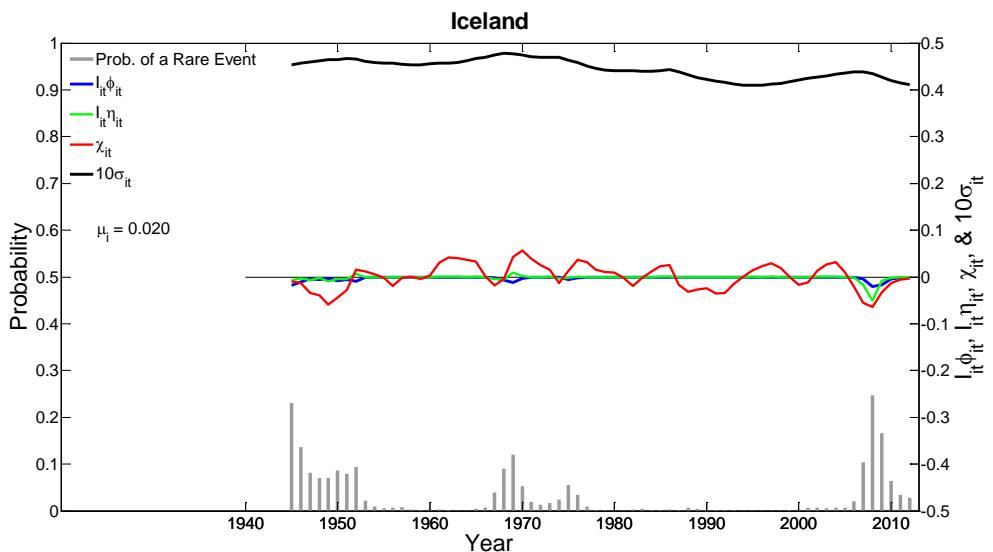


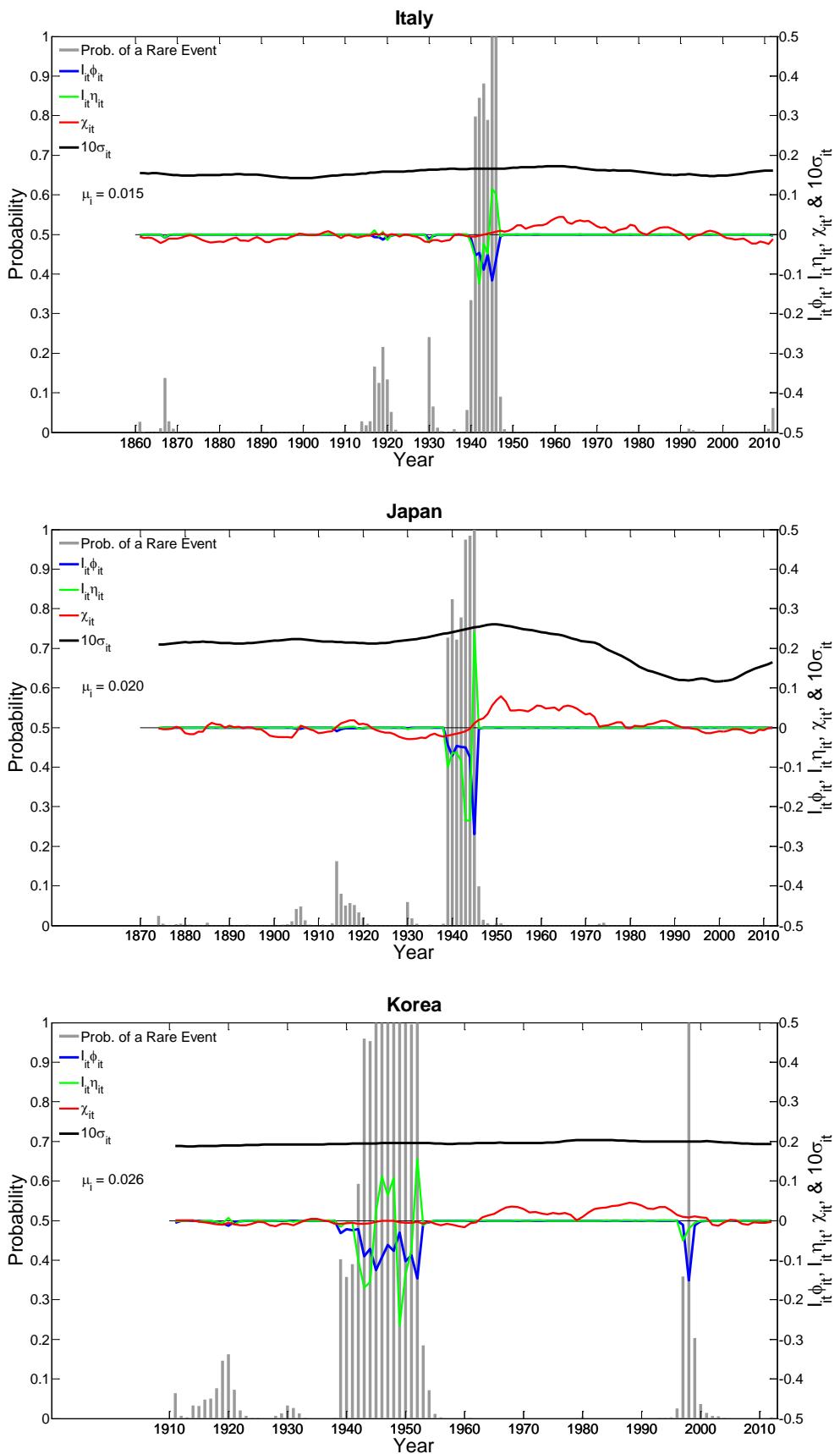


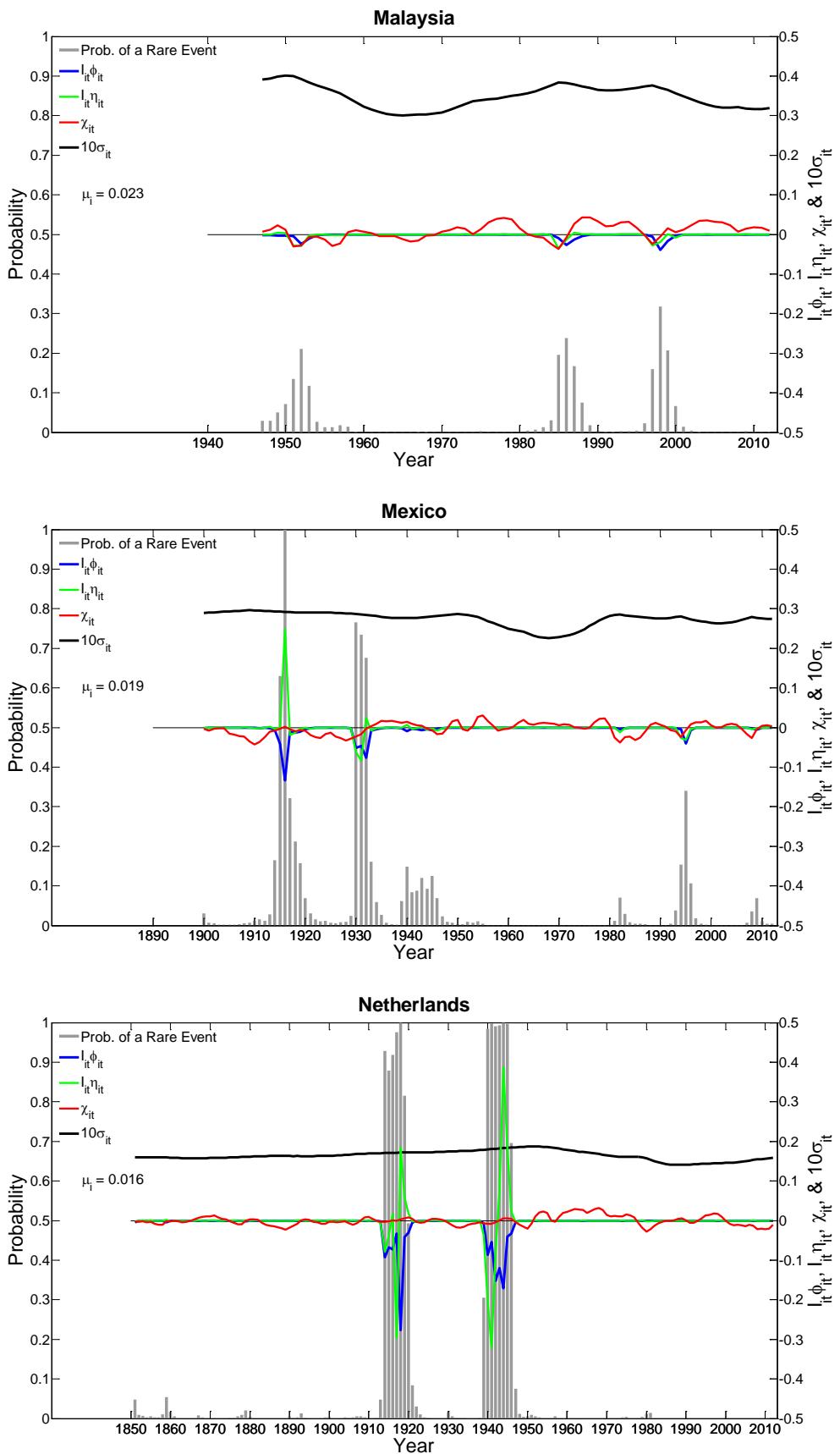


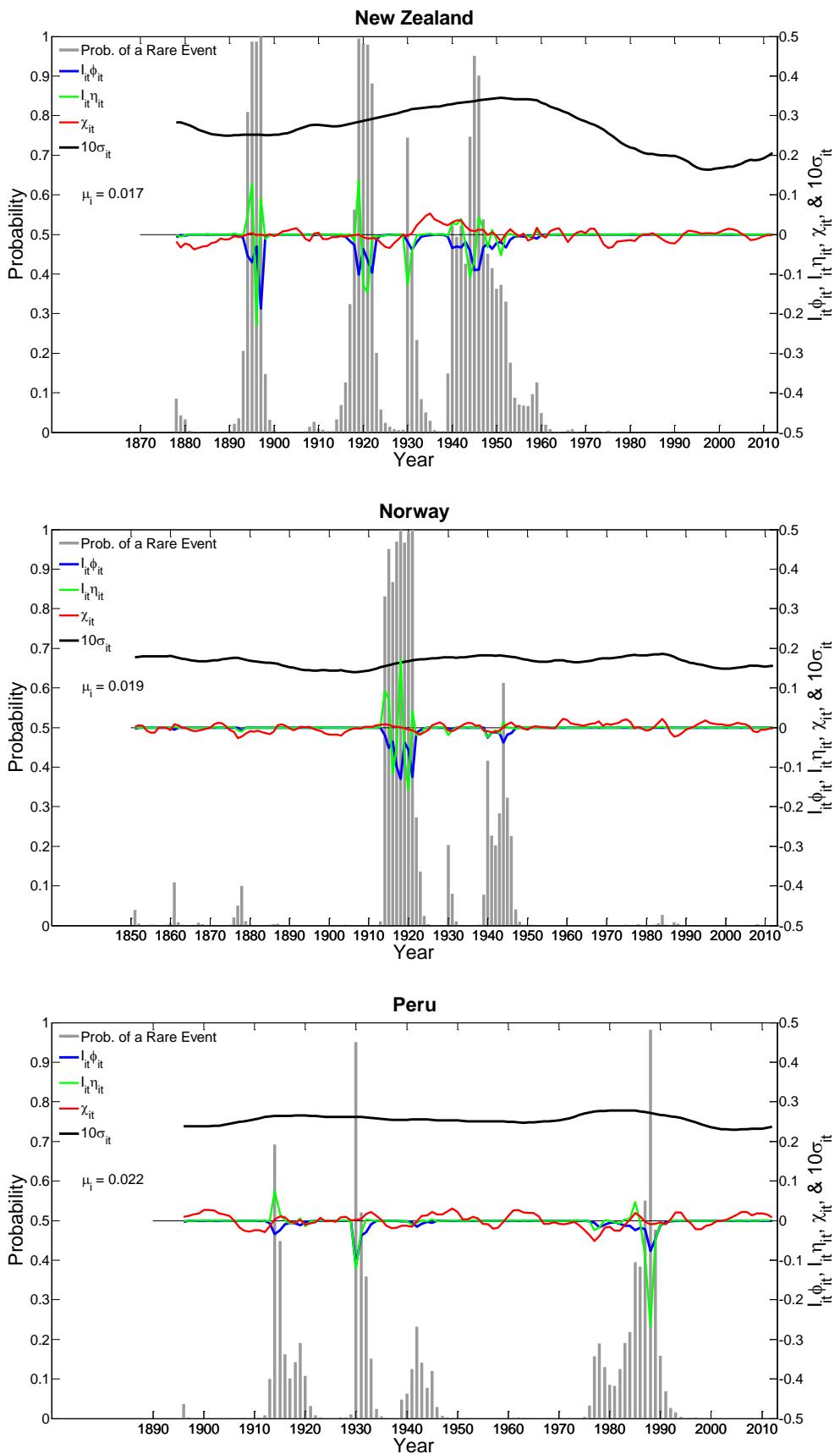




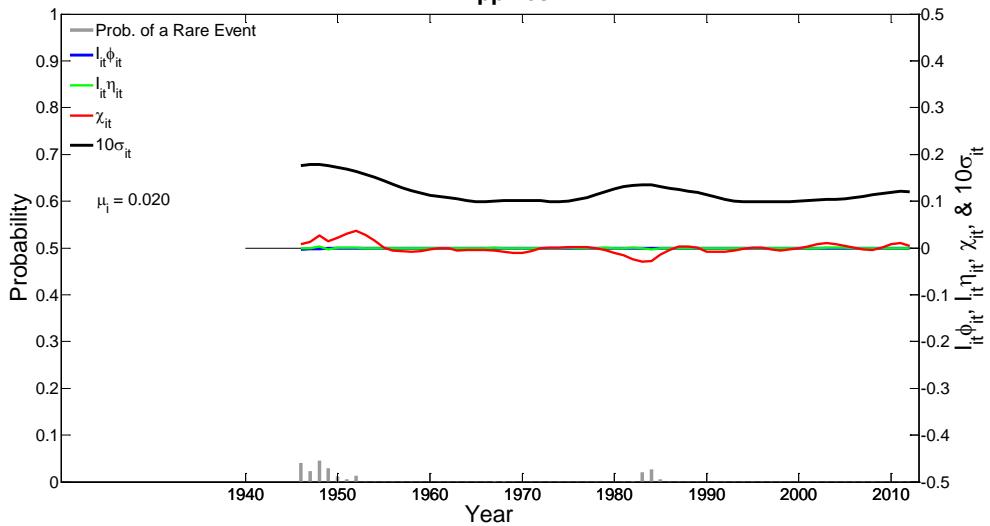




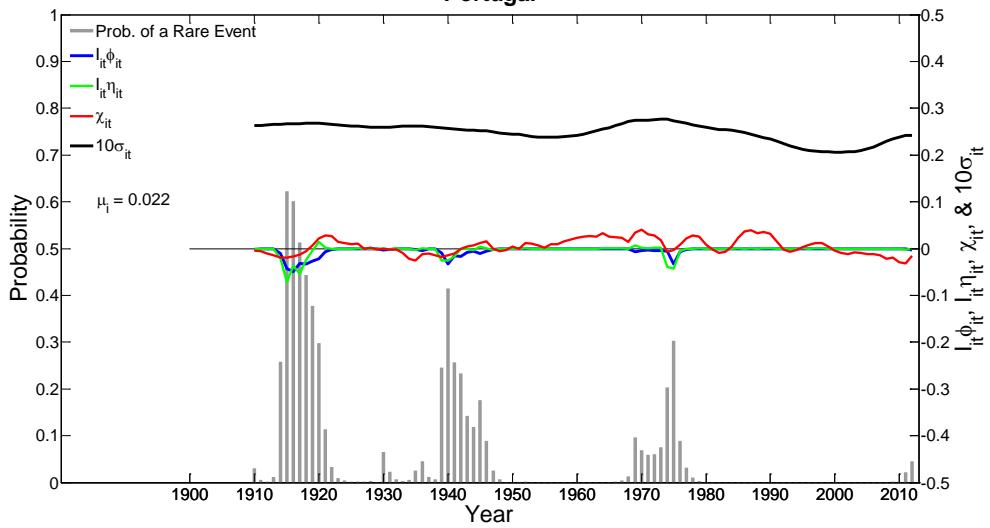




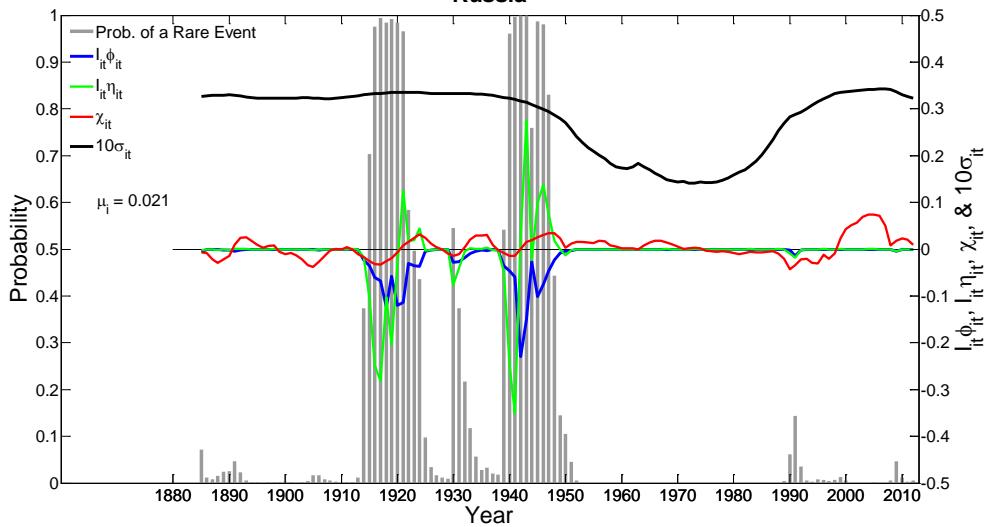
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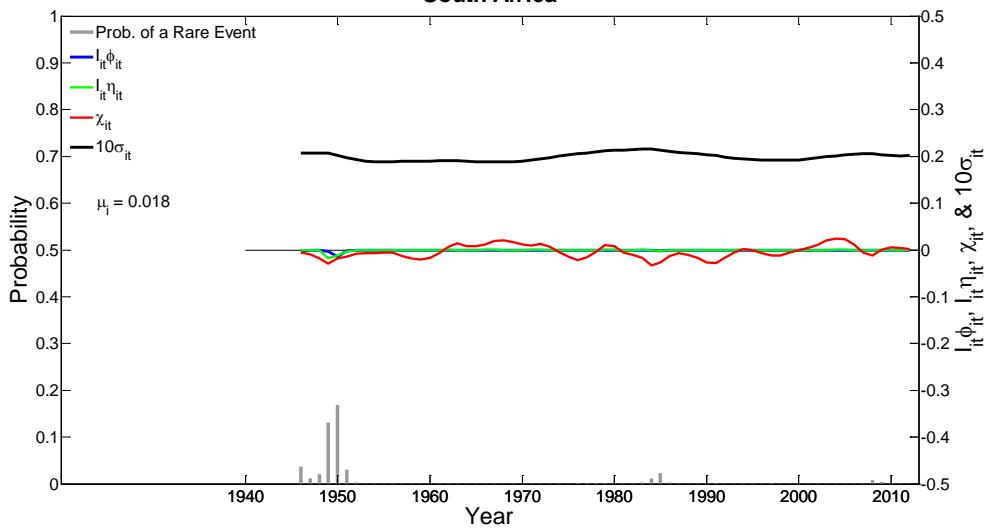
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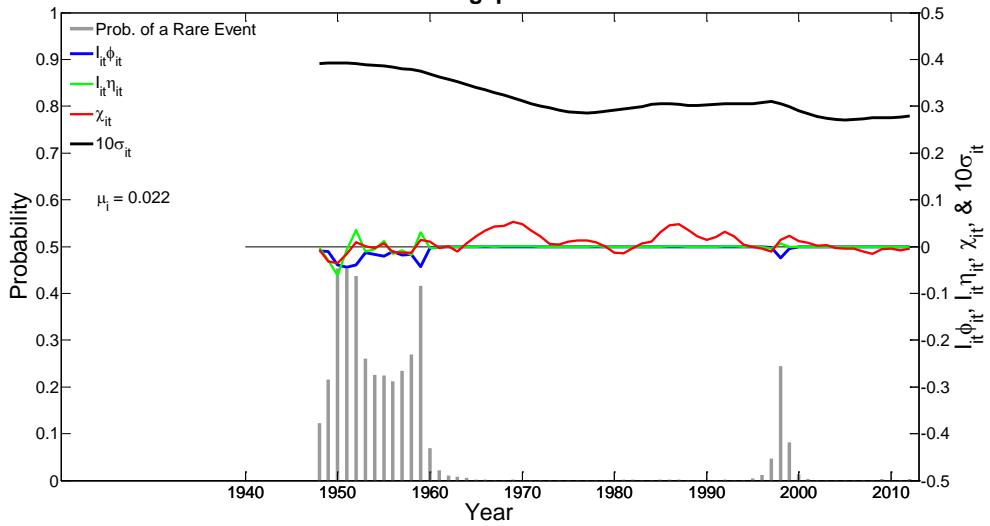
### Russia



### South Africa



### Singapore



### Spain

