Indo-Pacific Warm Pool Expansion And EASM

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Observed SST Trend & Warm Pool Expansion


<table>
<thead>
<tr>
<th></th>
<th>Indo-Pacific</th>
<th>Indian Ocean</th>
<th>Pacific Ocean</th>
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</thead>
<tbody>
<tr>
<td>Intensity</td>
<td>0.30°C/60yr</td>
<td>0.34°C/60yr</td>
<td>0.33°C/60yr</td>
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<tr>
<td>Area</td>
<td>32.2%/60yr</td>
<td>51.2%/60yr</td>
<td>21.6%/60yr</td>
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</table>
Indo-Pacific warming cause EASM change

- Indian Ocean warming $\rightarrow$ Strong EASM
- Pacific Ocean warming $\rightarrow$ Weaken EASM
- Gradient between Indian and Pacific also important

- Understanding tropical warmpool and find teleconnection with East Asia!