Constraining uncertainty of multi-decadal climate projections
GA number 820829
H2020-LC-CLA-2018-2

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<th>Deliverable number (relative in WP)</th>
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<td>Deliverable name:</td>
<td>Emission pathway tool published online (Task 5.1.1)</td>
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<td>Actual date of submission:</td>
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<td>Dissemination level:</td>
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<td>Lead beneficiary:</td>
<td>Imperial</td>
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<td>Joeri Rogelj, Robin Lamboll</td>
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<tr>
<td>Internal reviewer:</td>
<td>Carl-Friedrich Schleussner</td>
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1. Changes with respect to the DoA
None

2. Dissemination and uptake
The pathway tool is already being distributed to and used by other interested research groups, is integrated in the IPCC AR6 scenario climate assessment pipeline, and was used in a CONSTRAIN consortium publication (Forster et al, 2020, doi: 10.1038/s41558-020-0883-0).

3. Short Summary of results (< 250 words)
The pathway tool was successfully developed and allows users to fill in emissions pathways with a full set of greenhouse gas and aerosol emissions. Such a pathway completion method and tool is necessary to carry out an accurate assessment of the climate outcomes of scenarios. The pathway tool now makes this possible in a transparent and reproducible way.

4. Evidence of accomplishment
The emission pathway tool is published under an open source license under the name Silicone: https://github.com/GranthamImperial/silicone