



Horizon 2020 Societal challenge
5: Climate action, environment,
resource efficiency and raw materials

CONSTRAIN

Constraining uncertainty of multi-decadal climate projections

GA number 820829

H2020-LC-CLA-2018-2

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Deliverable name:	Emission pathway tool published online (Task 5.1.1)
WP / WP number: 5	
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Actual date of submission:	02/09/2020
Dissemination level:	Public
Lead beneficiary:	Imperial
Responsible scientist/administrator:	Joeri Rogelj
Contributor(s):	Joeri Rogelj, Robin Lamboll
Internal reviewer:	Carl-Friedrich Schleussner

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>