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ECOFYS
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Annex 1: The numbers explained

Initiative	Current Target scenario	Scale-Up Scenario	Available Potential
Cement Sustainability Initiative (CSI)	Currently, only 11 CSI members out of 25 have adopted emissions intensity targets of around 600 $kgCO_2e/t$ cement by 2020. This results in avoided emissions up to 100 $MtCO_2e/yr$ by 2020.	This assumes that the remaining members adopt the same level of ambition. This would deliver up to 160 $MtCO_2e/yr$ of avoided emissions by 2020.	Applying similar targets across the whole cement sector would result in avoided emissions of up to 540 $MtCO_2e/yr$ by 2020. A large portion of the avoided emissions in this scenario could be achieved by specifically focusing on setting CSI intensity targets in the Chinese cement sector.
en.Lighten	En.lighten has 73 member countries under the current target scenario. 39 of these countries have committed themselves to ban the sale of inefficient lighting before 2020. Taken together, this market transition could result in an estimated 60 $MtCO_2e/yr$ in avoided emissions by 2020.	The most ambitious members, 23 of them, will ban incandescent lighting by 2016. Under the Scale Up scenario it is assumed that all 73 members adopt 2016 as target year for the ban, resulting in avoided emissions of around 80 $MtCO_2e/yr$ in 2020.	If the whole world were to follow the 2016 commitment (ca. 120 additional countries) to ban inefficient lighting, the potential avoided emissions would be as high as 640 $MtCO_2e/yr$ by 2020, with 340 $MtCO_2e/yr$ coming from developing countries.
The Tropical Forest Alliance 2020 (TFA 2020)	Of the 16 private sector members of the TFA 2020, 8 have set the goal of zero deforestation for palm oil handled within their supply chains. The efforts of these 8 members can be connected to around 20 $MtCO_2e/yr$ avoided emissions in 2020[1].	If all members were to source their palm oil sustainably, avoided emissions could potentially grow almost ten-fold to 200 $MtCO_2e/yr$ in 2020.	If all of future produced palm oil, including from companies who are not members of TFA 2020, were to be sourced sustainably, the avoided emissions could reach an estimated 460 $MtCO_2e/yr$ by the same year.
WWF Climate Savers	The initiative's 28 members have committed to emission reduction targets of between 15-40%	If 28 additional companies would join the initiative, membership would double.	Finally, if the average emission reduction targets were to be applied to all industry sector

[1] This analysis assumes that certification of palm oil steers cultivation and expansion away from high carbon value virgin forest and peatland towards low carbon value forest types, leading to less emissions than under business-as-usual development

(CS)	of emission reductions in their supply chains and operations. This results in overall avoided emissions up to 32 $MtCO_2e$/yr by 2020.	With similarly ambitious emission reduction targets for these members, the initiative could increase its impact in 2020 to around 60 $MtCO_2e$/yr.	peers of Climate Saver companies the avoided emissions could be raised up to 1,300 $MtCO_2e$/yr by 2020.
Refrigerants, Naturally! (RefNat!)	Current targets set by the 4 member companies in RefNat! to replace F-gas based refrigerants with natural refrigerants in stand-alone refrigeration units result in a maximum of 1.4 $MtCO_2e$/yr by 2030[2].	If the targets of RefNat! would extend to the whole stand-alone commercial refrigeration sector, avoided emissions could go up to 8 $MtCO_2e$/yr by 2030[3].	Replacing F-gas based refrigerants with natural ones for all refrigeration units (i.e. including domestic refrigeration, condensing units and full supermarket systems), not just stand-alone units, would result in avoided emissions of up to 320 $MtCO_2e$/yr by 2030.

[2] RefNat!'s moderate avoided emissions are due to the fact that emissions mostly occur at the equipment's end of life, 8–14 years after purchase.

[3] This scenario assumes that the global stock of stand-alone commercial refrigeration units using F-gas refrigerants are phased out at the same rate as the member companies of RefNat!.