

Appendix 3

Statement from Dr Jaise Kuriakose at the Tyndall Centre for Climate Change Research

Following yesterday's IPCC report (<http://ipcc.ch/report/sr15/>) should we now be adopting local targets in line with 1.5oC rather than 2oC?

“Adhering to a carbon budget perspective, rather than a simple long-term goal, is essential for both 1.5°C and 2°C of warming. Although a 1.5°C carbon budget is smaller than that for 2°C, the emissions pathways for 1.5°C typically rely on planetary levels of future negative emission technologies (NETs) and very significant afforestation. Our proposed mitigation framework for delivering 2°C is already very ambitious, with 15% per annum reduction in CO₂ emissions for GM and 13% for Manchester City. If such rates are achieved, and NETs do develop and are deployed at the scales assumed in the models, then, theoretically at least, 1.5°C is possible. Consequently, we recommend initiating an immediate programme of mitigation aligned with the 2°C carbon budgets; that is annual reductions in emissions of between 13 and 15% - starting now. Then review the latest data on carbon budgets and pathways on a five yearly basis to reflect the most up to date science, as well as any changes in global agreements on climate mitigation and progress on the successful deployment, at scale, of NETs”.

Best regards

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