

# ***Interactive comment on “VPRM-CHINA: Using the Vegetation, Photosynthesis, and Respiration Model to partition contributions to CO<sub>2</sub> measurements in Northern China during the 2005–2009 growing seasons” by Archana Dayalu et al.***

## **Anonymous Referee #2**

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General comments  
This manuscript reported on parameters adapting and model diagnosing of VPRM-CHINA for the eastern half of China. This paper is a well-presented and scientifically sound study and I recommend it for publication after minor revisions. However, I think the title ‘...Using the Vegetation, Photosynthesis, and Respiration Model to partition contributions to CO<sub>2</sub> measurements ...’ is not very proper for this paper: VPRM-CHINA model isn’t able to partition contributions of CO<sub>2</sub> concentration. A more scientific title should be needed for this manuscript.

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Specific comments: P9 Table 1 Please explain clearly what is meant by 'CN' or 'KR').  
P11 L11 Please describe how to scale scale annual gridcell emissions (as Gg CO<sub>2</sub>) to  
 $\mu\text{molCO}_2 \text{ m}^{-2}\text{s}^{-1}$

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**BGD**

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