



Atmosphere Monitoring

CAMS - 81

Global and Regional Emissions

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Work packages and their interactions

Atmosphere
Monitoring



centre national
de la recherche
scientifique

TNO innovation
for life

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Meteorological
Institute

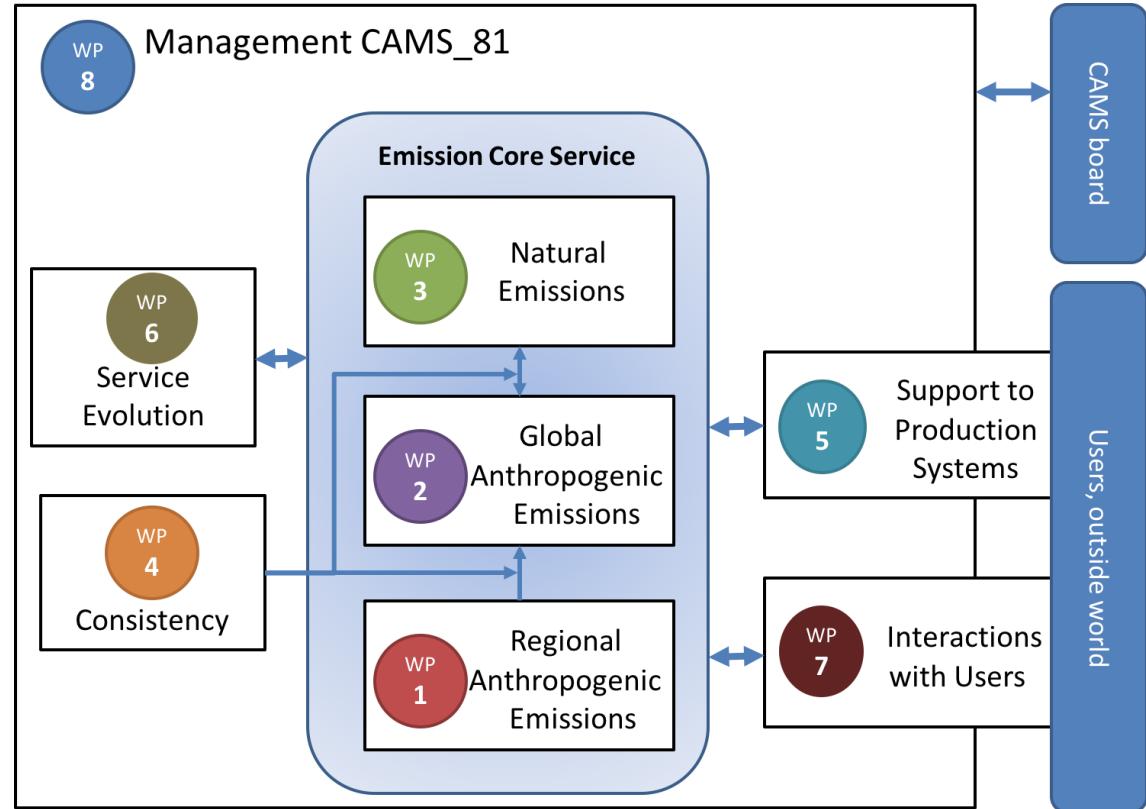
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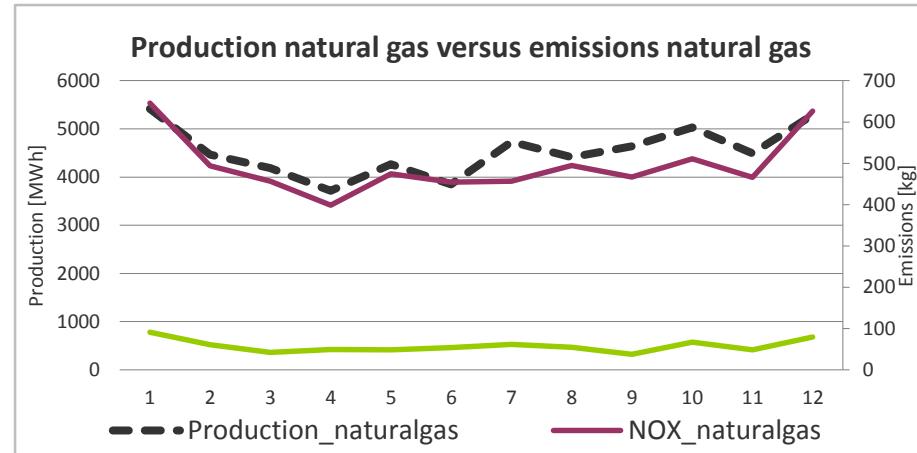
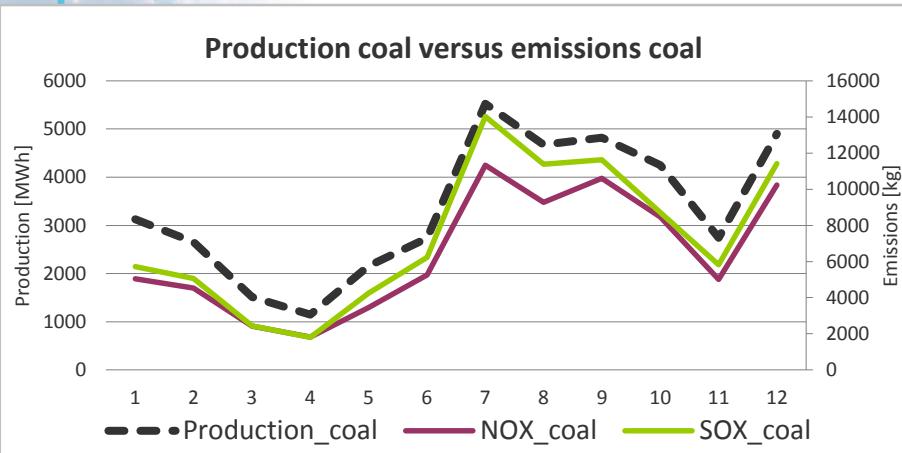
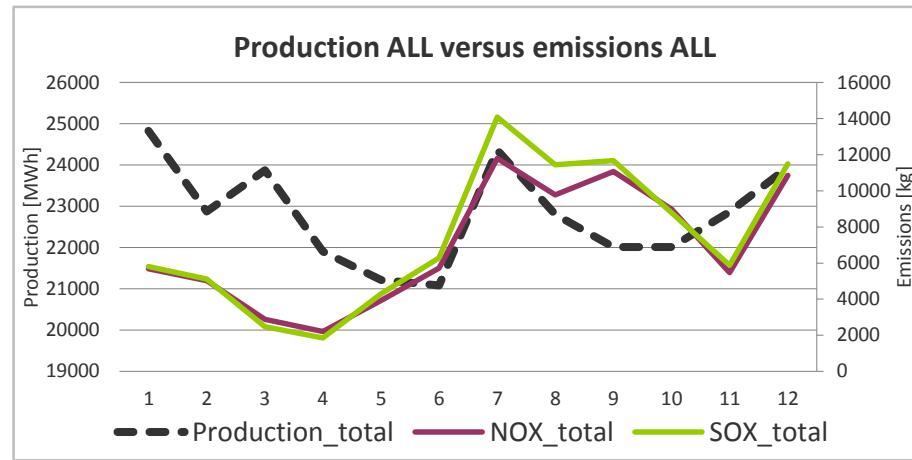


- Investigation of short-term temporal profiles (monthly, weekly, daily) for global and regional scales
- Parameterisations for anthropogenic emissions as a function of meteorology
- Investigation of emission factors, spatial proxies and wood usage classification for residential wood combustion emissions



Energy combustion: Fuel-specific profiles

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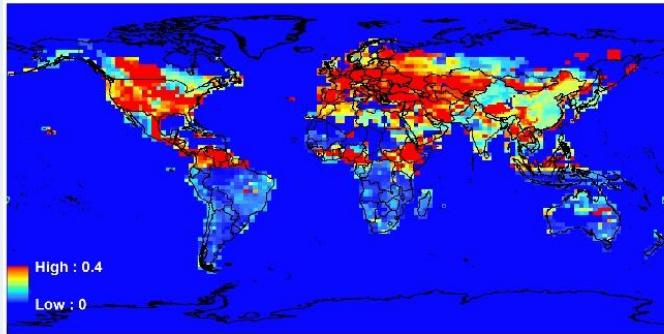




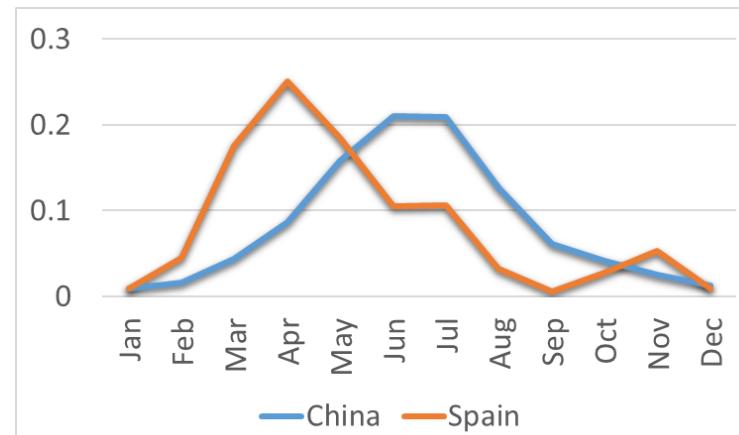
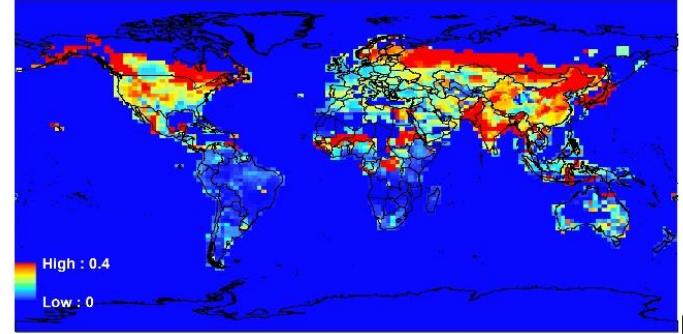
Agriculture: Fertilizers versus Livestock

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April



June



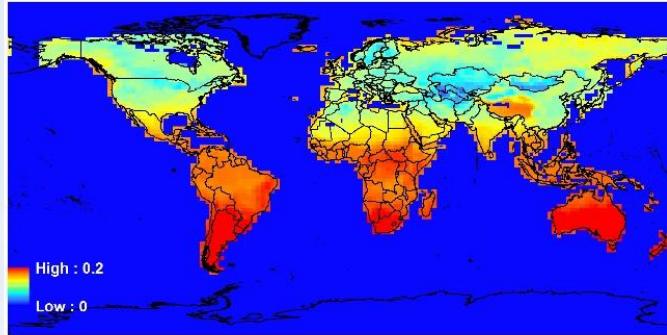
Based on Paulot et al. (2014) and
Zhang et al. (2018)



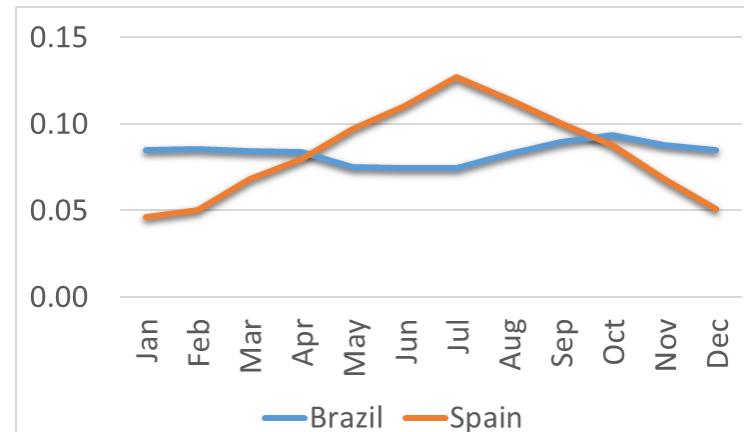
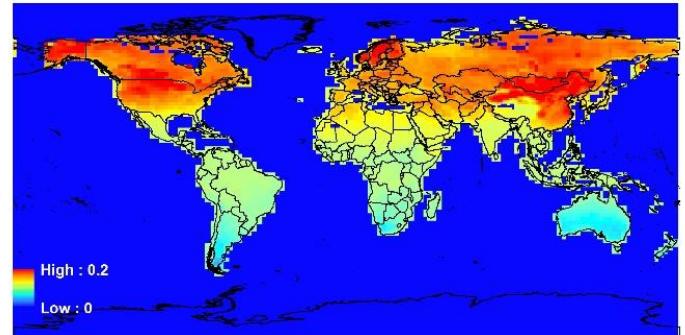
Agriculture: Fertilizers versus Livestock

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January



July



Based on Paulot et al. (2014) and
Zhang et al. (2018)



Links with FAIRMODE

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- Test the new regional/global emission inventories using the FAIRMODE WG2 tools
- Provide feedback that can be used to improve the CMAS_81 developments
- Trigger the discussion around temporal characterisation of regional emission inventories