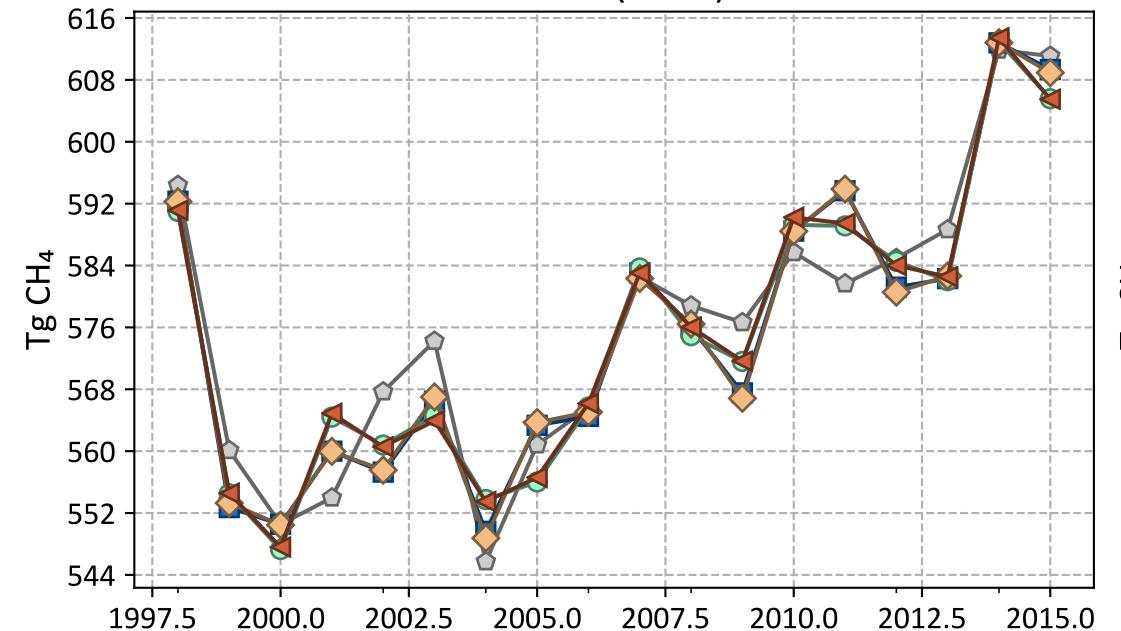
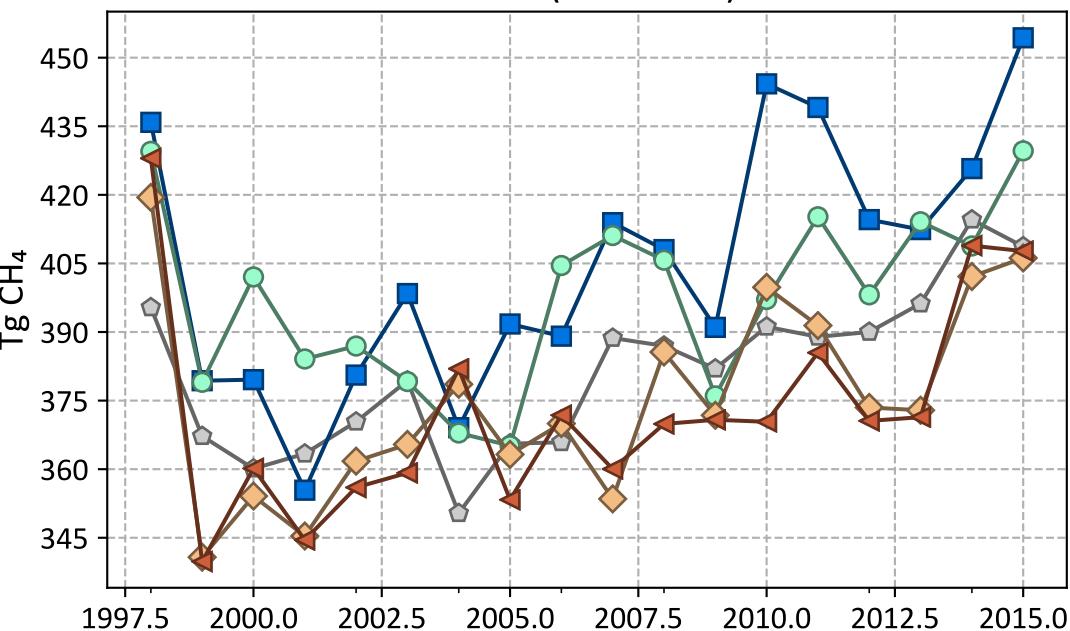


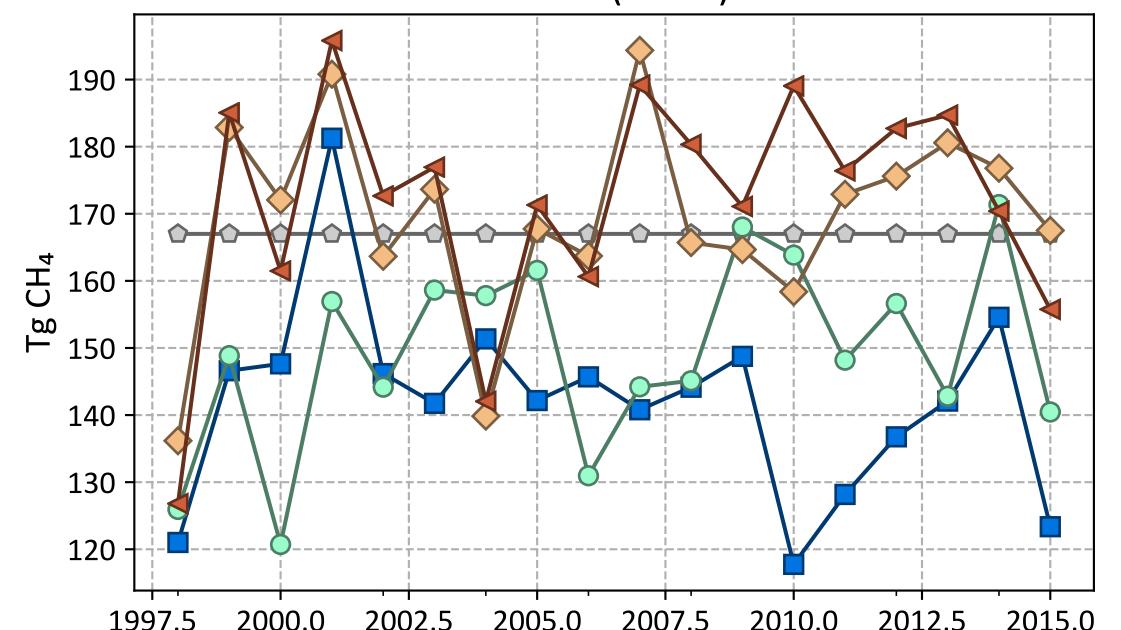
Globe (Total)



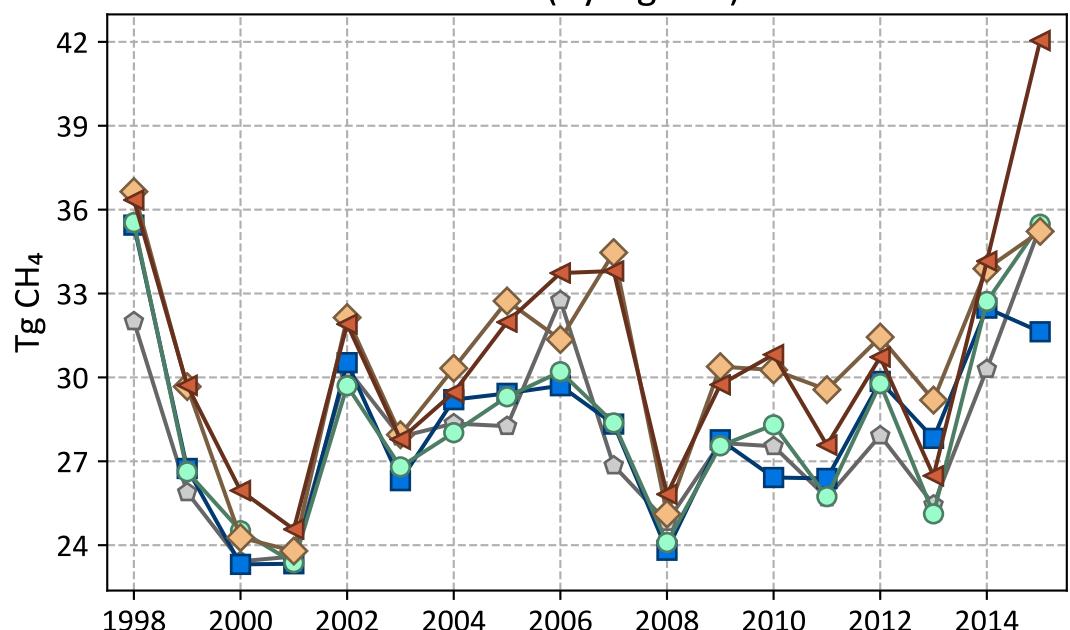
Globe (Microbial)



Globe (Fossil)

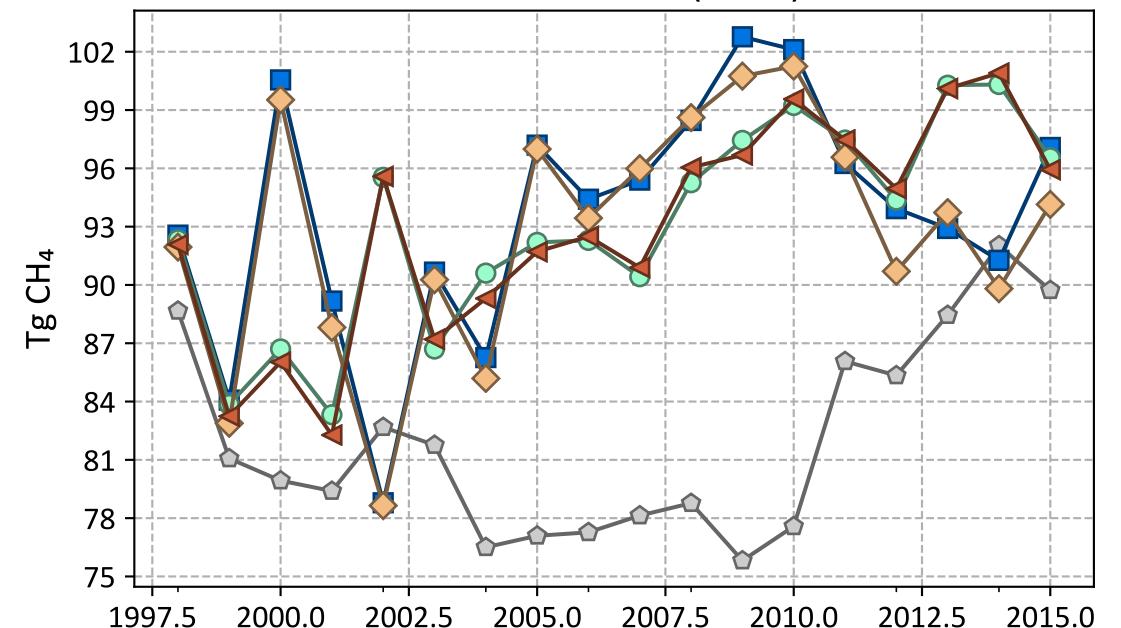


Globe (Pyrogenic)

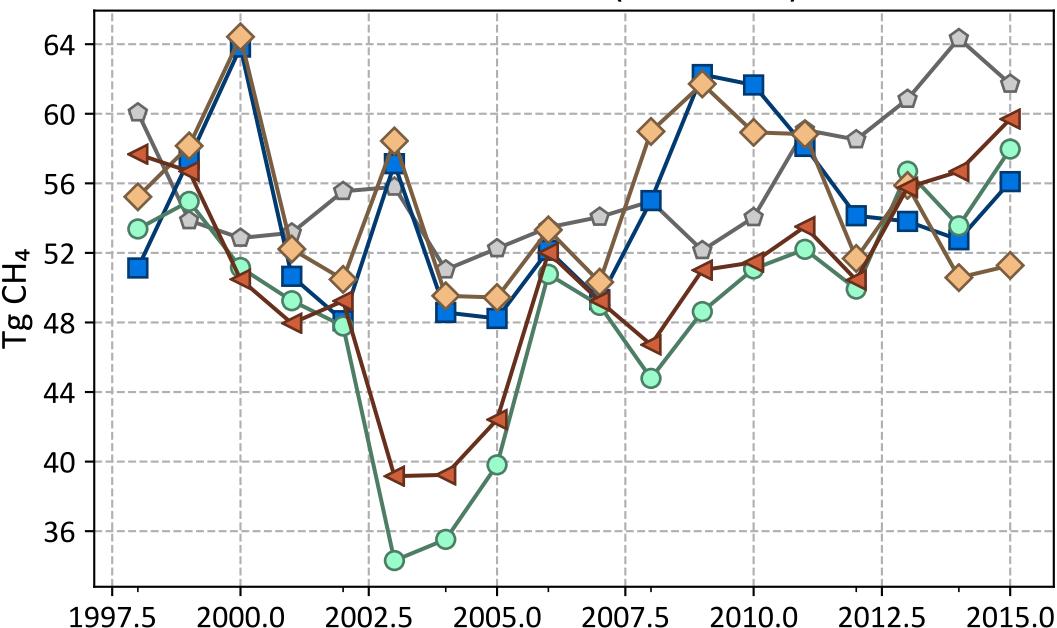


Legend: □ Prior ■ CH<sub>4</sub> only (safe) ● CH<sub>4</sub> only (full) ▲ CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (safe) ▾ CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (full)

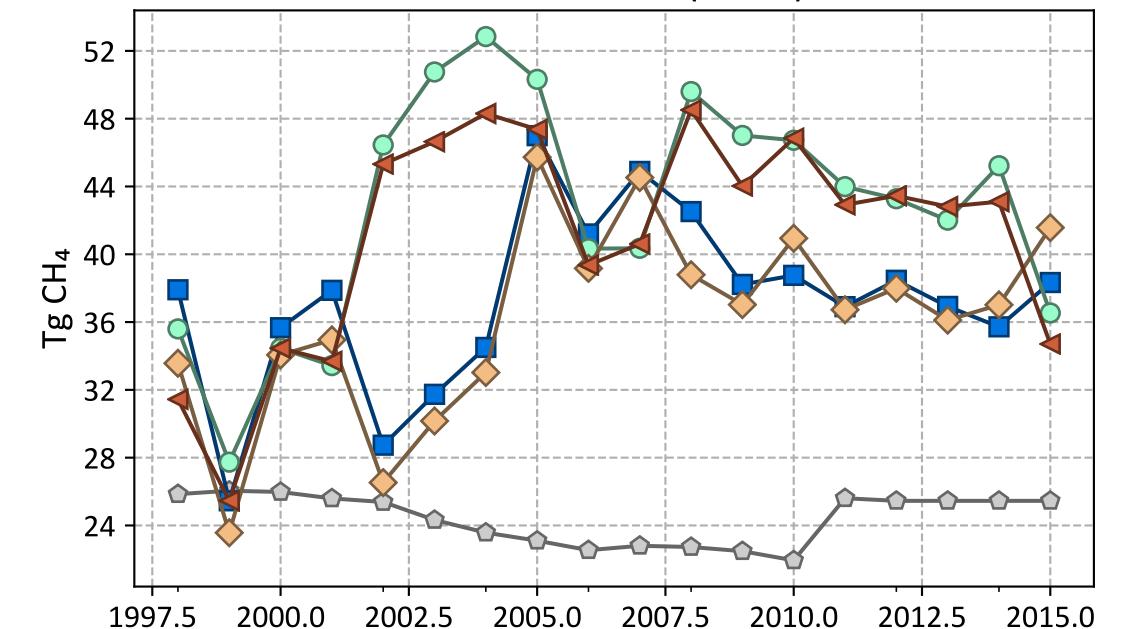
North America (Total)



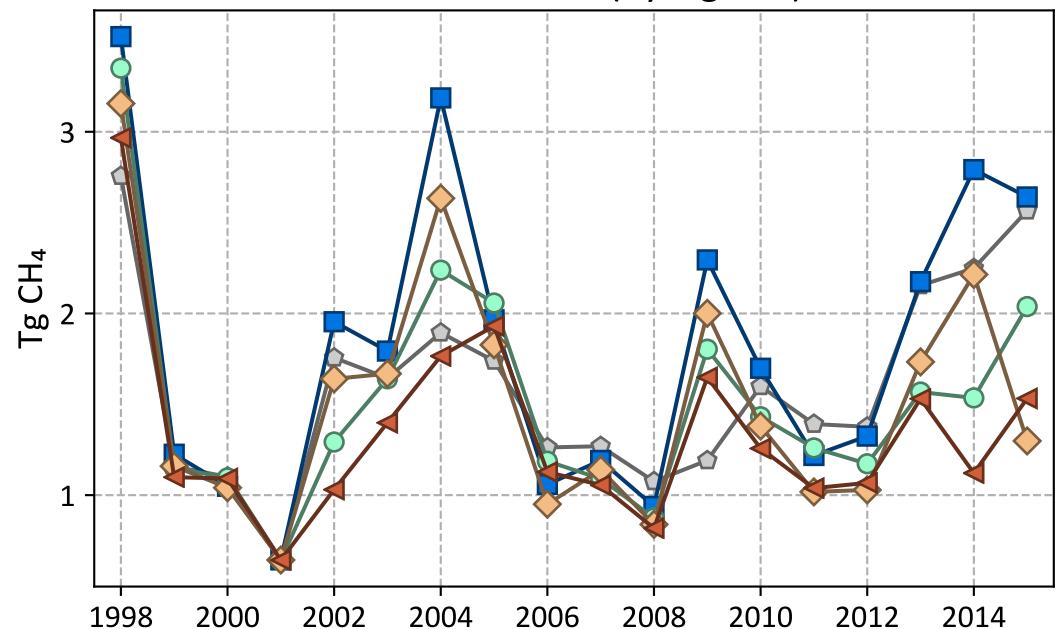
North America (Microbial)



North America (Fossil)

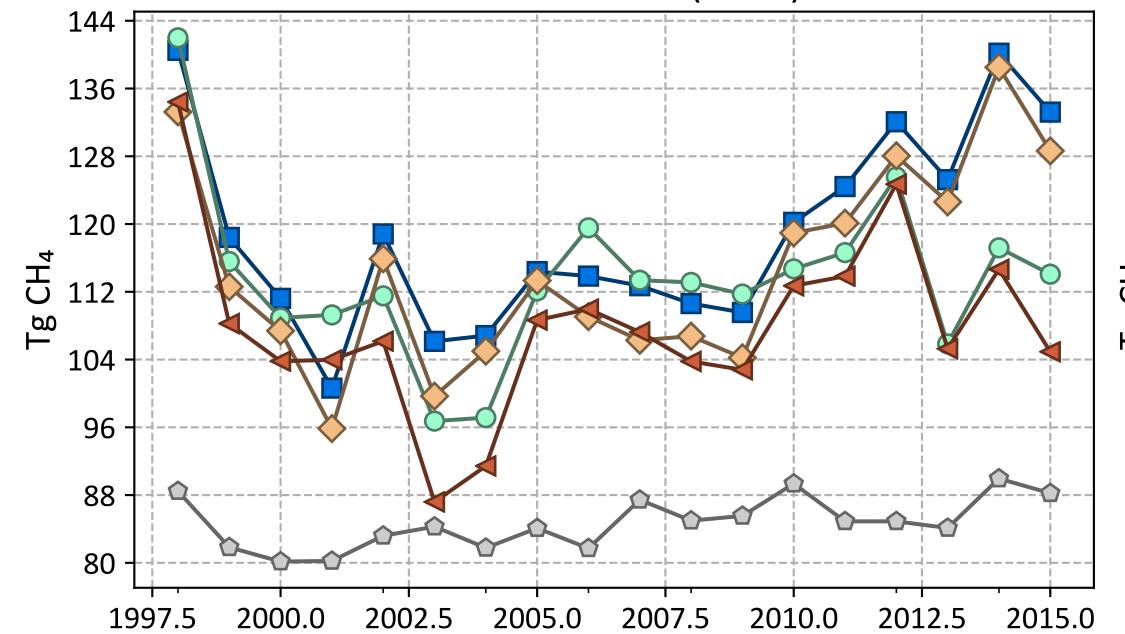


North America (Pyrogenic)

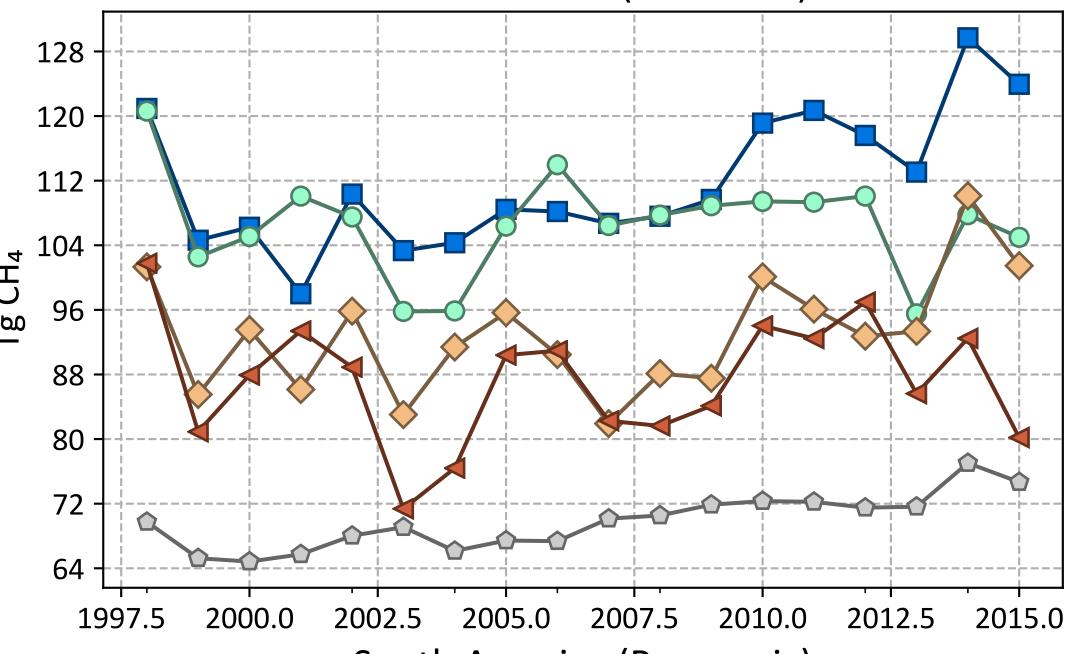


—◊— Prior —■— CH<sub>4</sub> only (safe) —●— CH<sub>4</sub> only (full) —◆— CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (safe) —▲— CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (full)

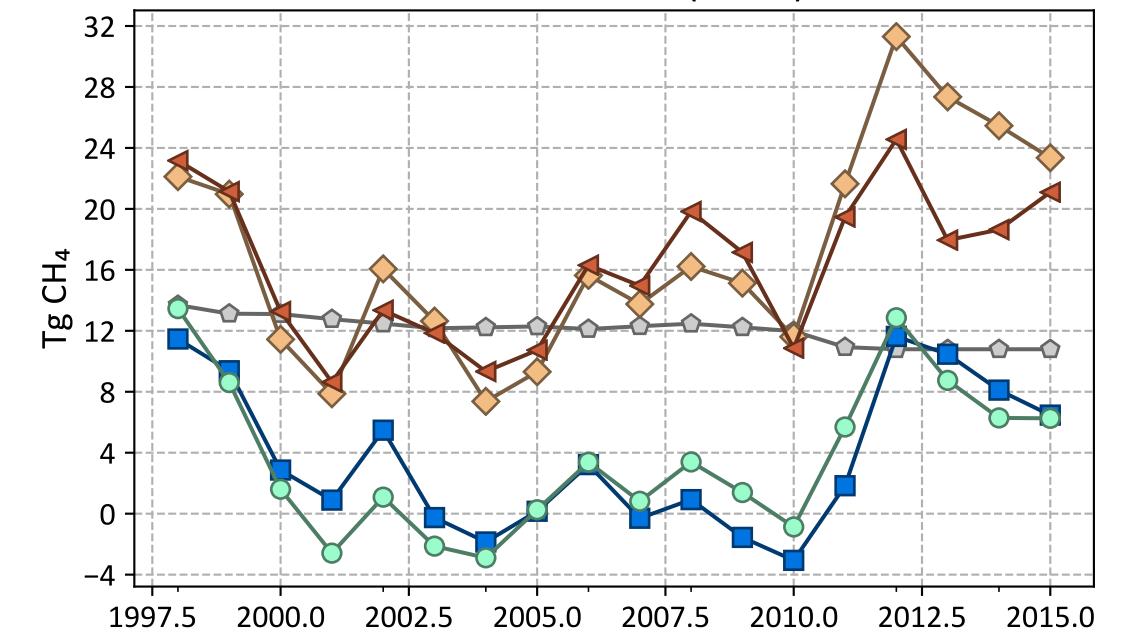
South America (Total)



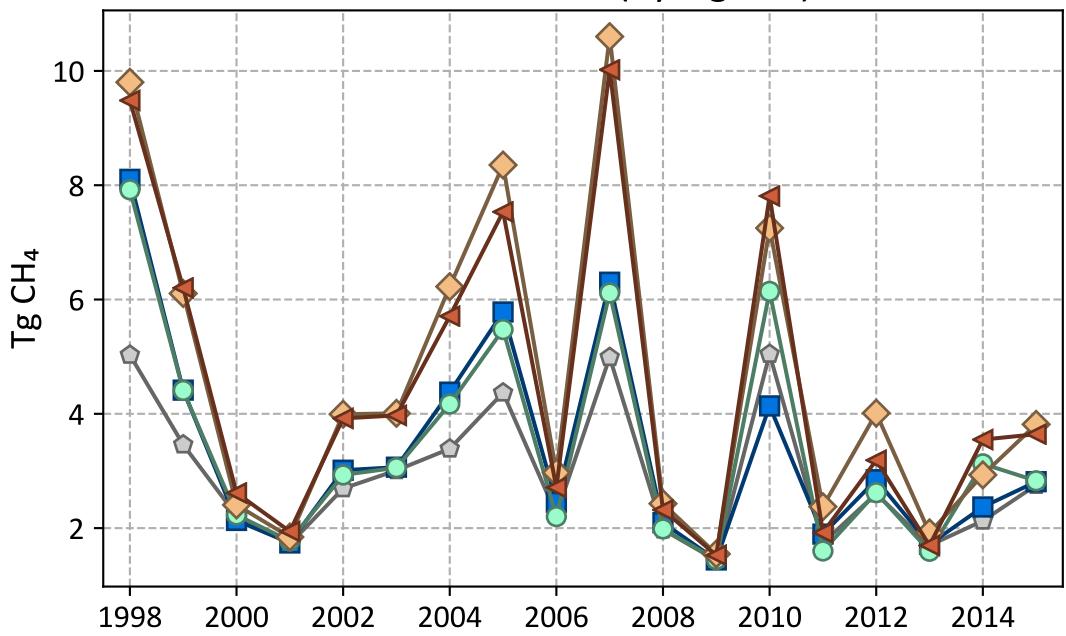
South America (Microbial)



South America (Fossil)



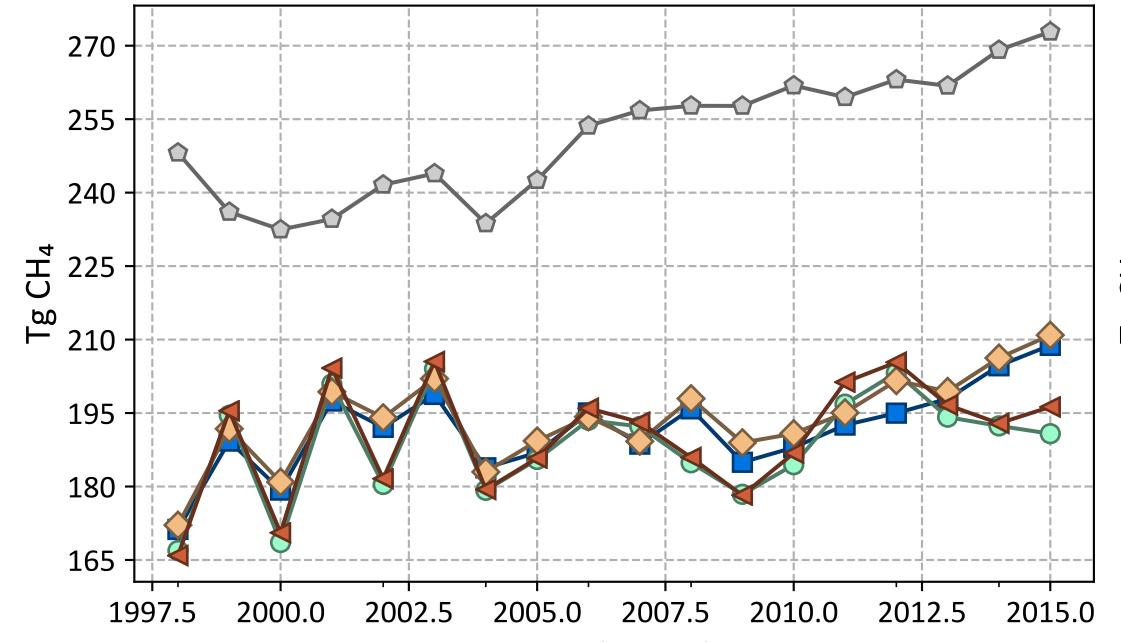
South America (Pyrogenic)



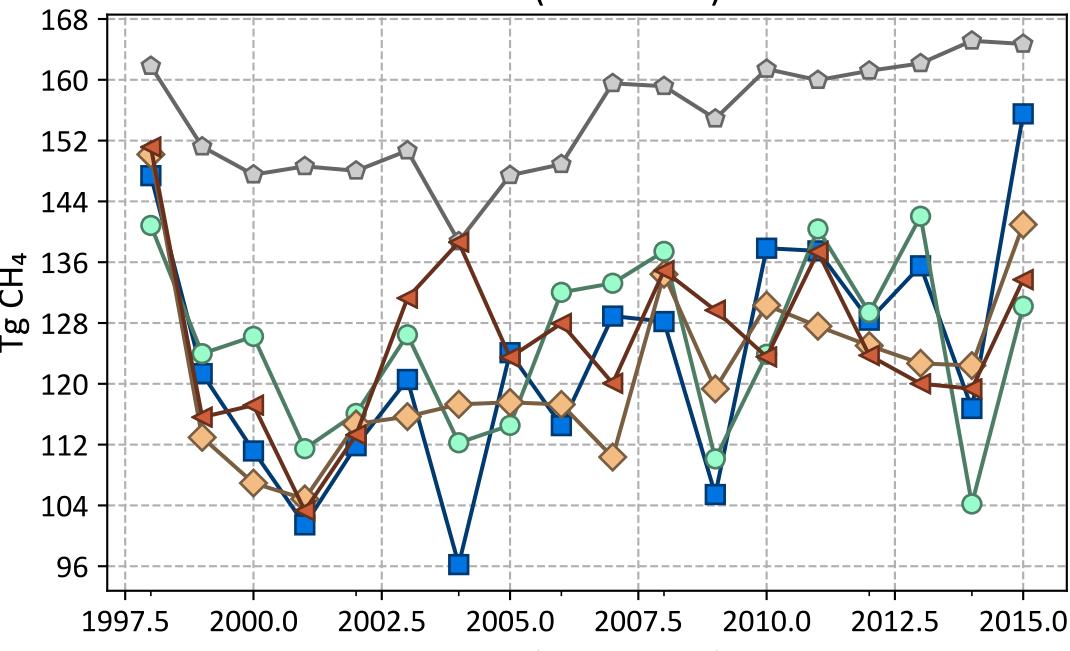
Legend:

- Prior (grey diamond)
- $\text{CH}_4$  only (safe) (blue square)
- $\text{CH}_4$  only (full) (green circle)
- $\text{CH}_4 + \delta^{13}\text{CH}_4$  (safe) (orange diamond)
- $\text{CH}_4 + \delta^{13}\text{CH}_4$  (full) (brown triangle)

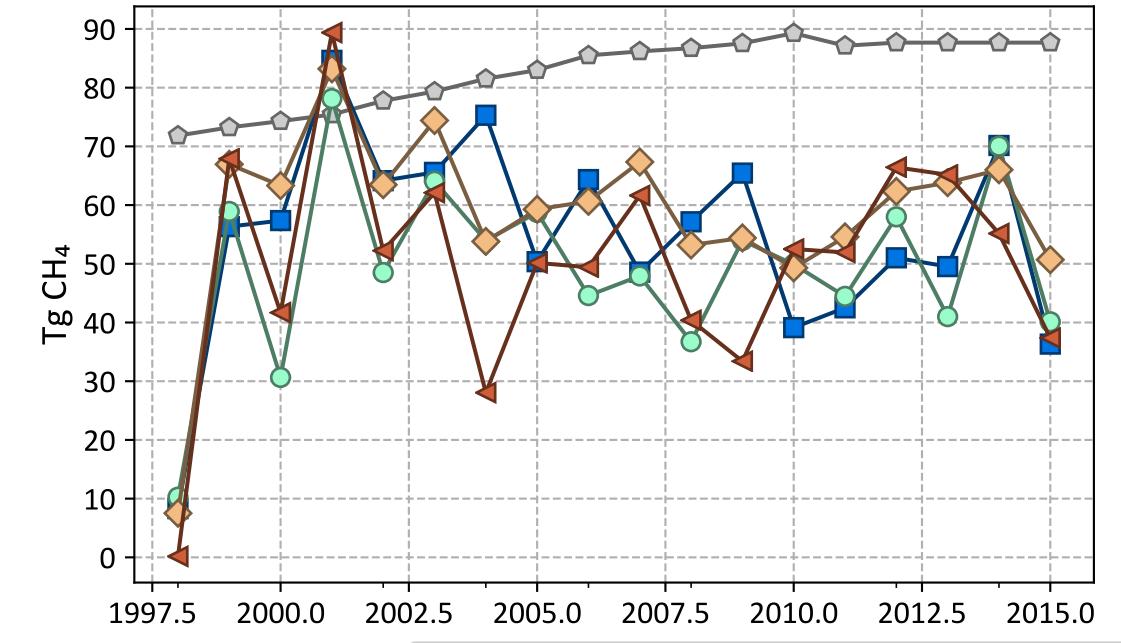
Asia (Total)



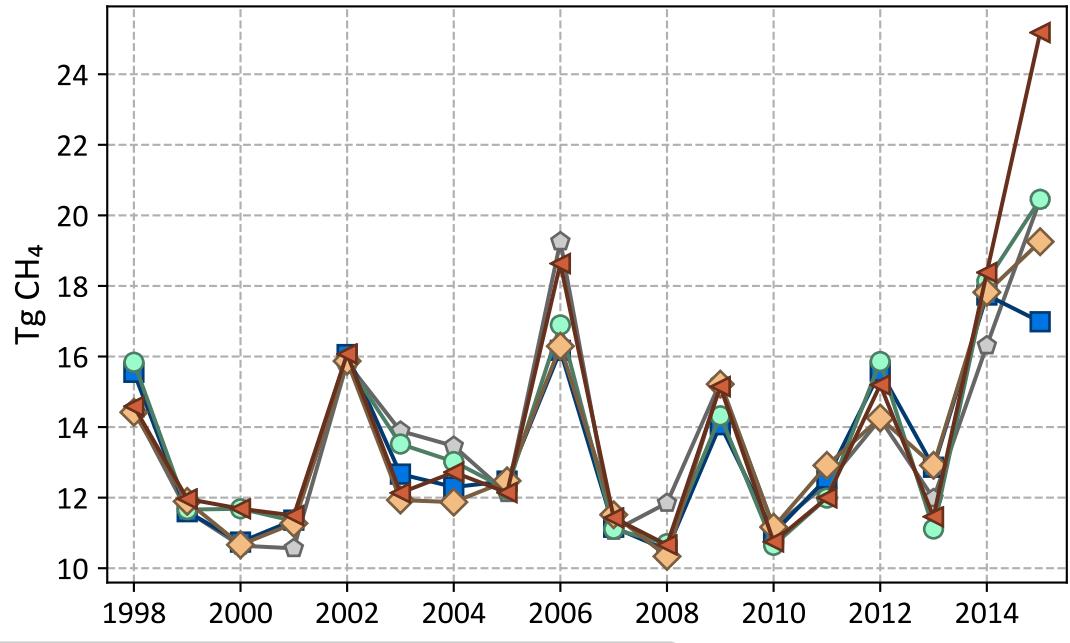
Asia (Microbial)



Asia (Fossil)

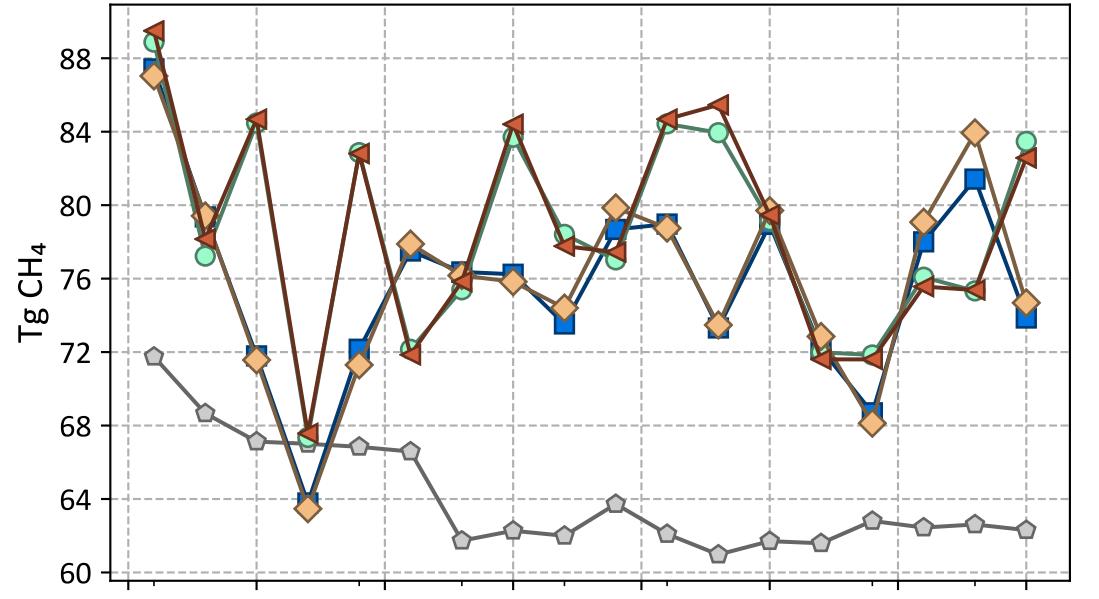


Asia (Pyrogenic)

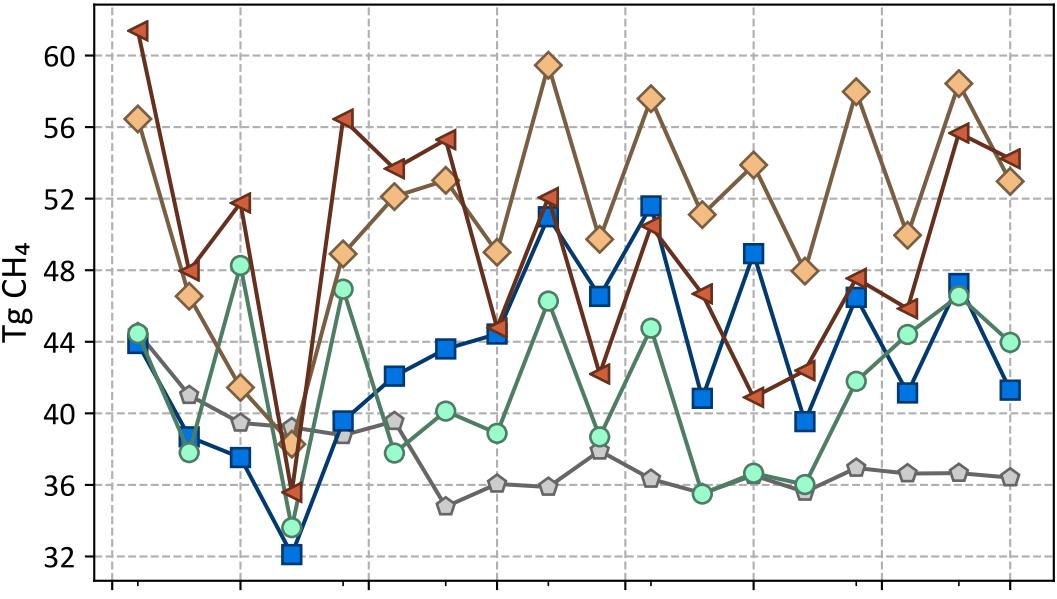


Legend: □ Prior ■ CH<sub>4</sub> only (safe) ● CH<sub>4</sub> only (full) ▲ CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (safe) ▾ CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (full)

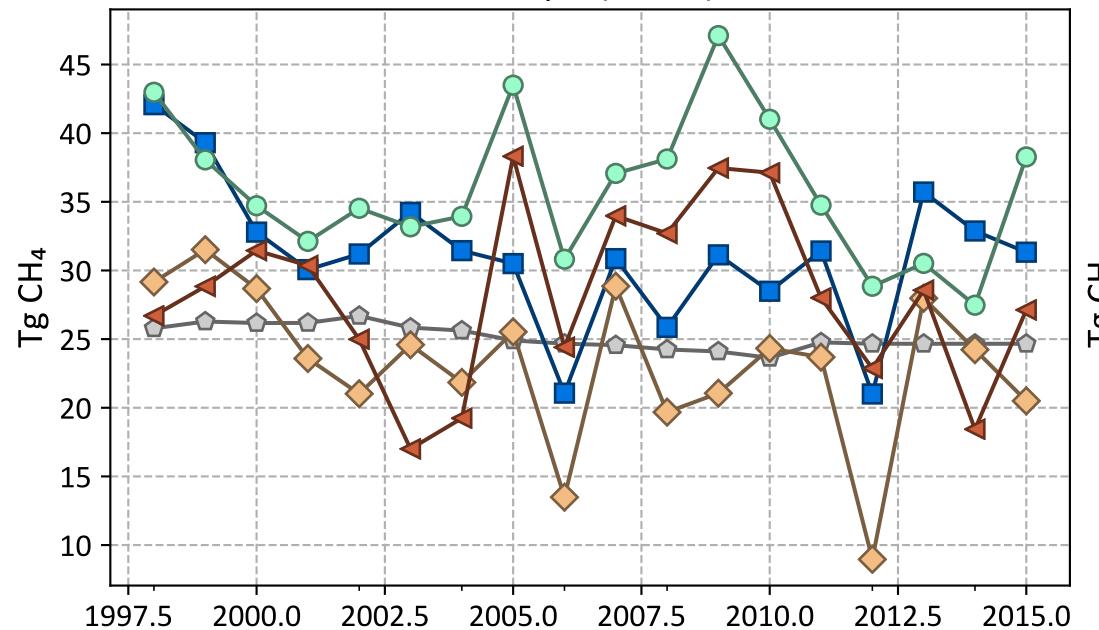
Europe (Total)



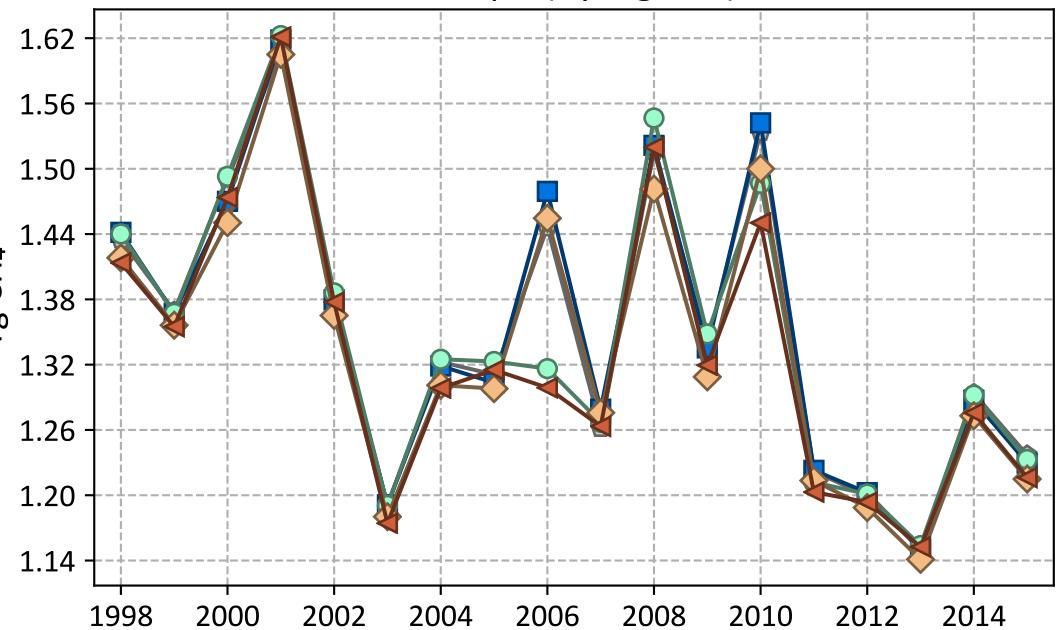
Europe (Microbial)



Europe (Fossil)



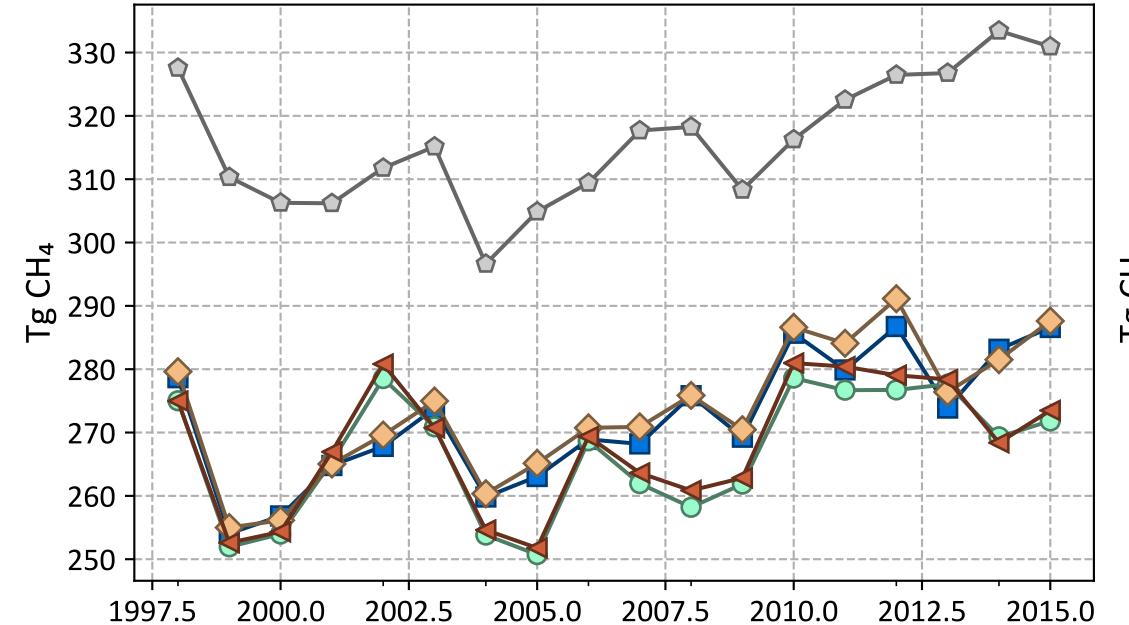
Europe (Pyrogenic)



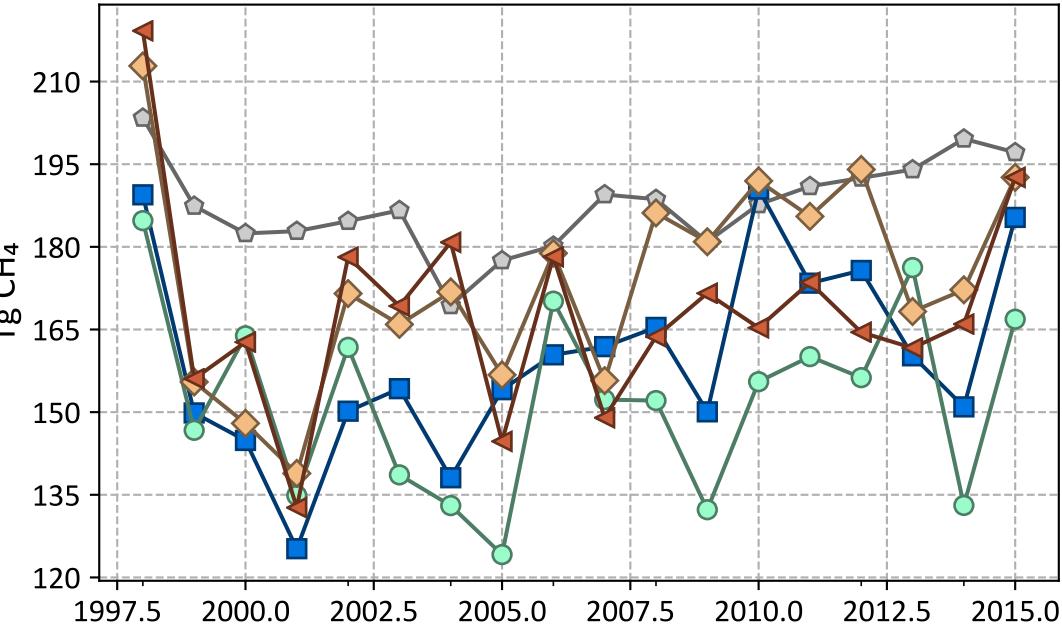
Legend:

- Prior (Grey diamond)
- $\text{CH}_4 \text{ only (safe)}$  (Blue square)
- $\text{CH}_4 \text{ only (full)}$  (Green circle)
- $\text{CH}_4 + \delta^{13}\text{CH}_4 \text{ (safe)}$  (Orange diamond)
- $\text{CH}_4 + \delta^{13}\text{CH}_4 \text{ (full)}$  (Brown triangle)

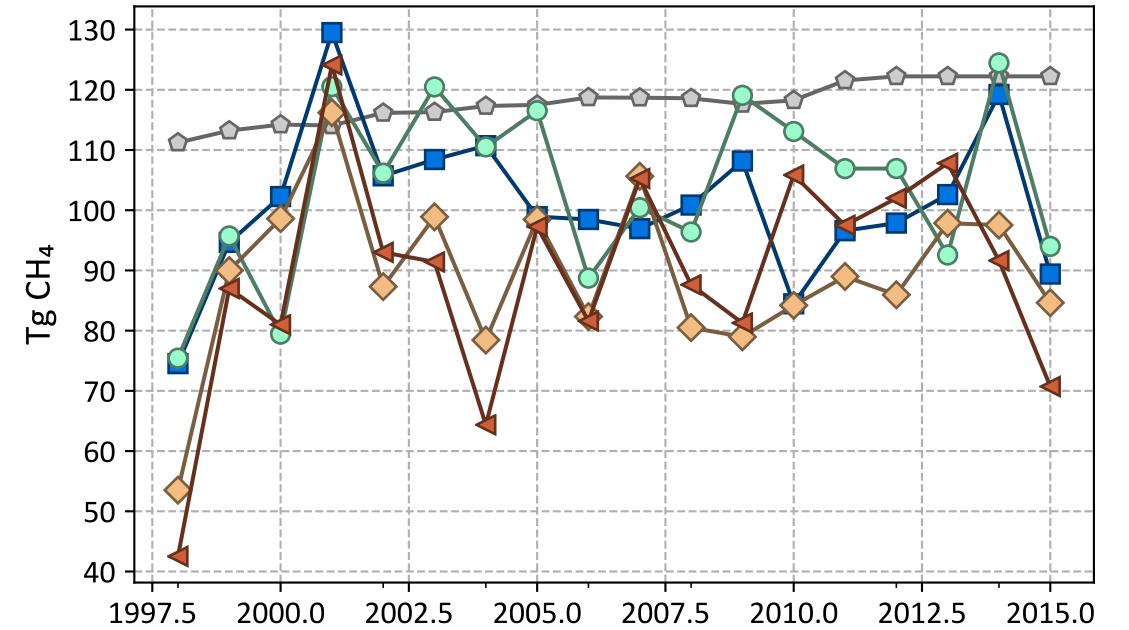
### Northern Extra-Tropics (Total)



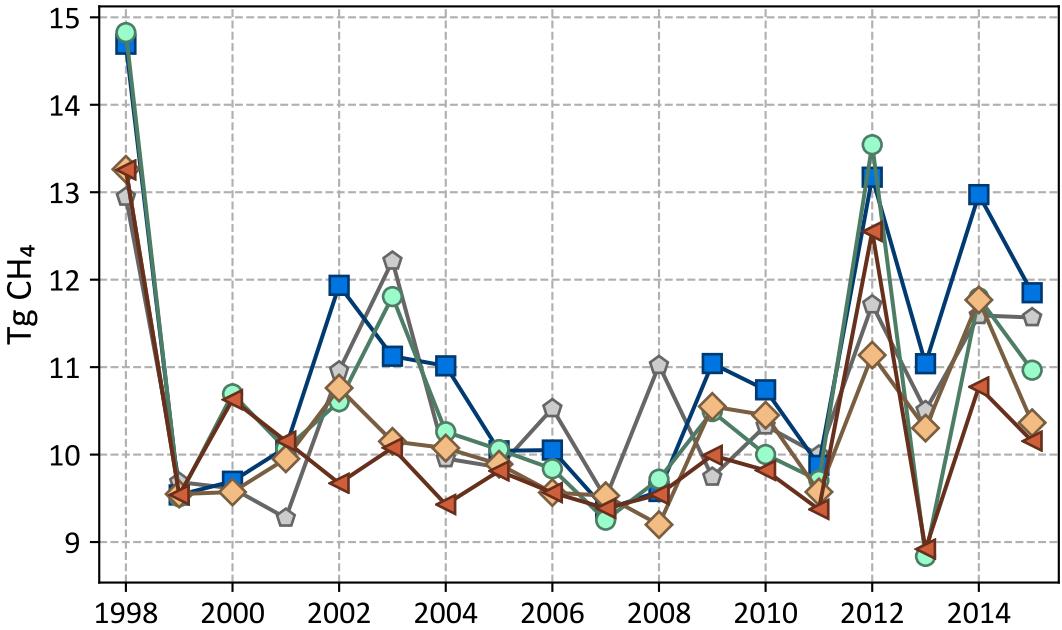
### Northern Extra-Tropics (Microbial)



### Northern Extra-Tropics (Fossil)



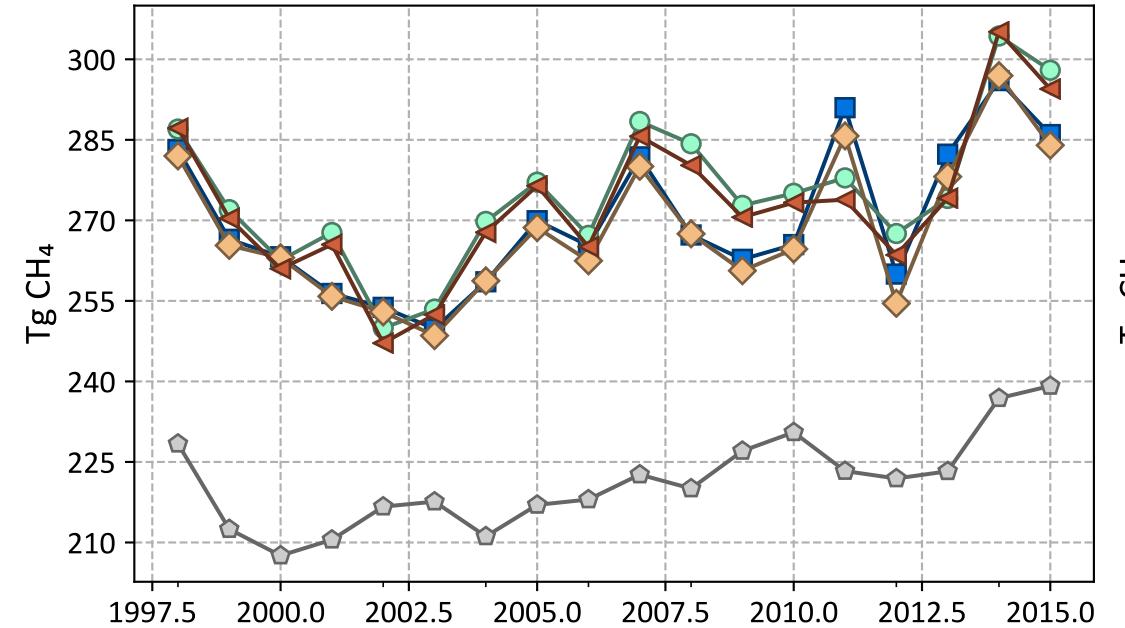
### Northern Extra-Tropics (Pyrogenic)



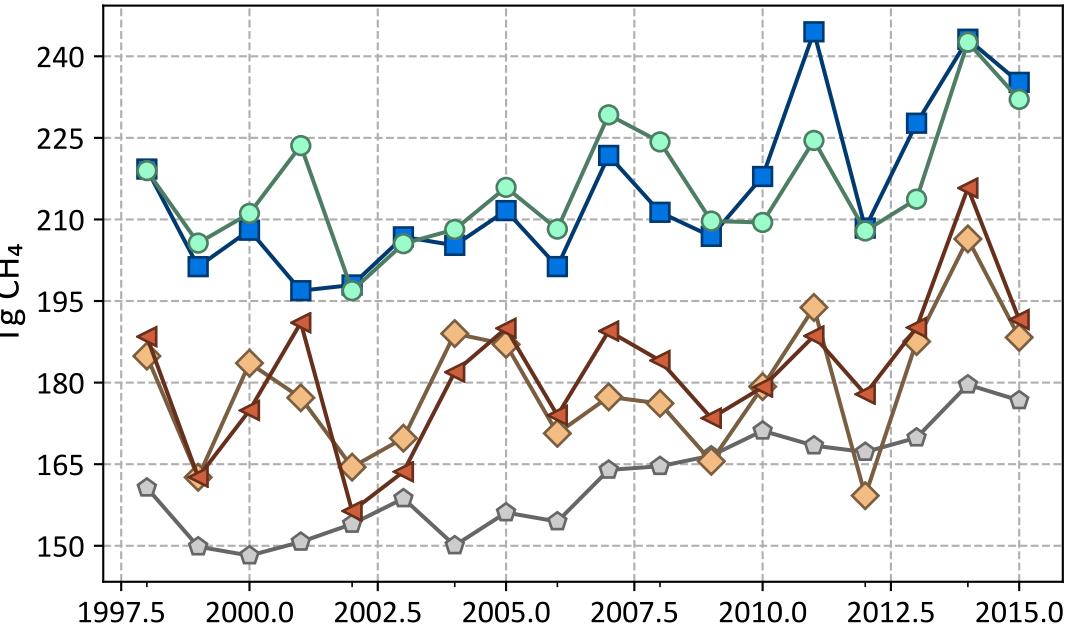
Legend:

- Prior (grey diamond)
- $\text{CH}_4$  only (safe) (blue square)
- $\text{CH}_4$  only (full) (green circle)
- $\text{CH}_4 + \delta^{13}\text{CH}_4$  (safe) (orange diamond)
- $\text{CH}_4 + \delta^{13}\text{CH}_4$  (full) (brown triangle)

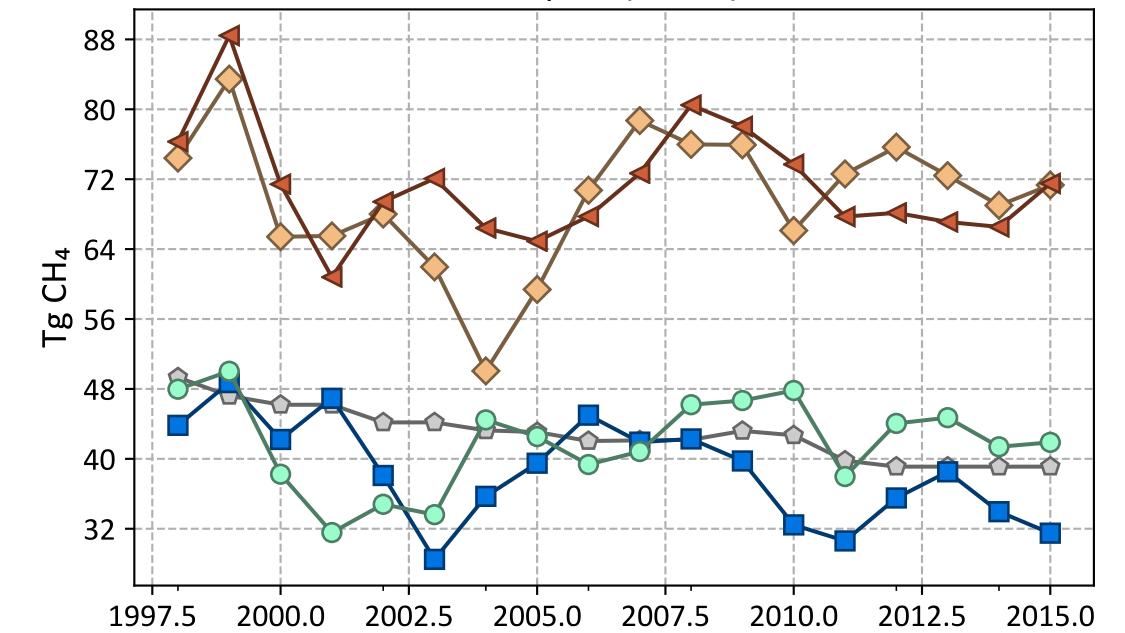
Tropics (Total)



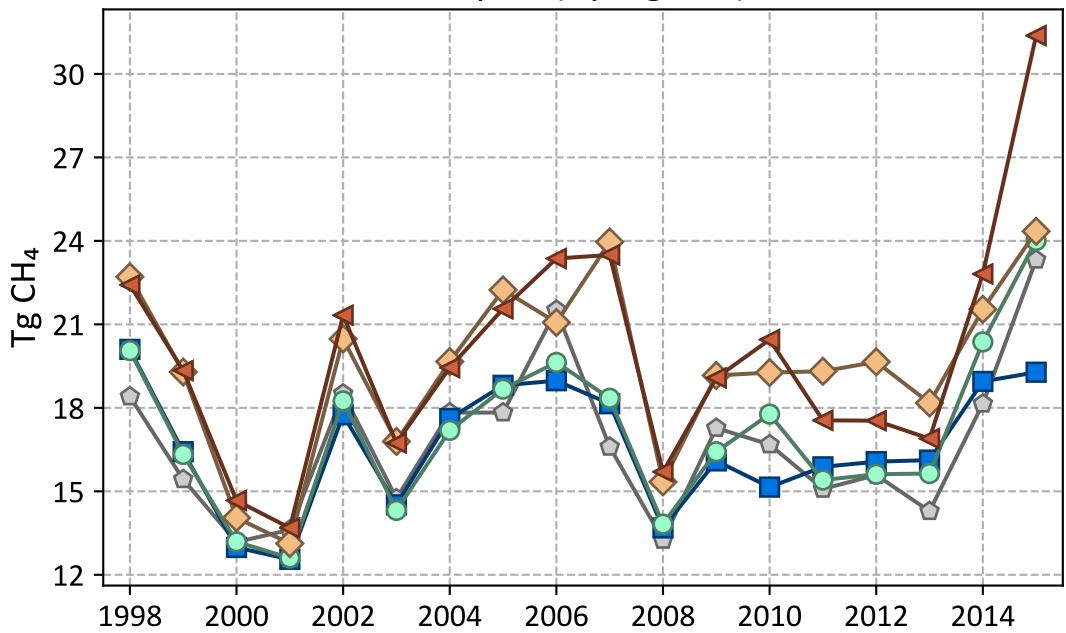
Tropics (Microbial)



Tropics (Fossil)



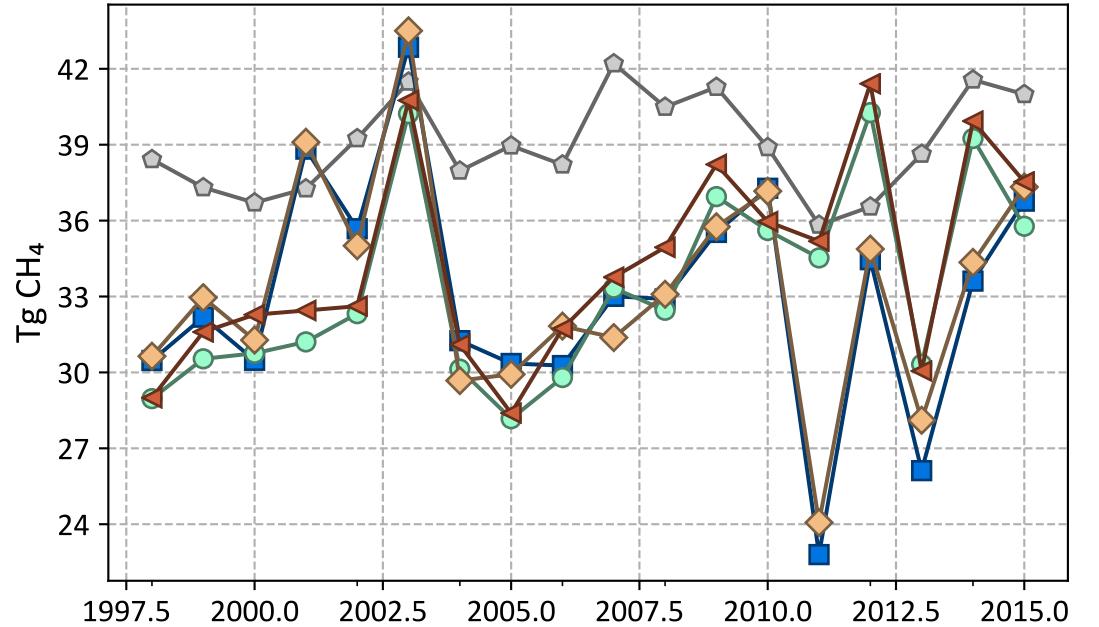
Tropics (Pyrogenic)



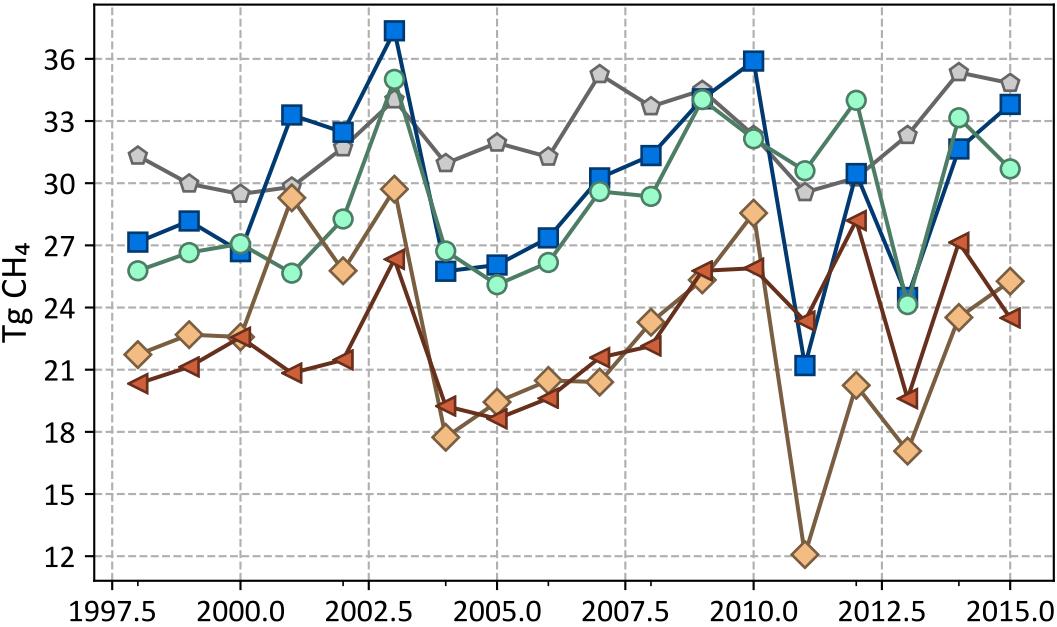
Legend:

- Prior (grey diamond)
- $\text{CH}_4 \text{ only (safe)}$  (blue square)
- $\text{CH}_4 \text{ only (full)}$  (green circle)
- $\text{CH}_4 + \delta^{13}\text{CH}_4 \text{ (safe)}$  (orange diamond)
- $\text{CH}_4 + \delta^{13}\text{CH}_4 \text{ (full)}$  (brown triangle)

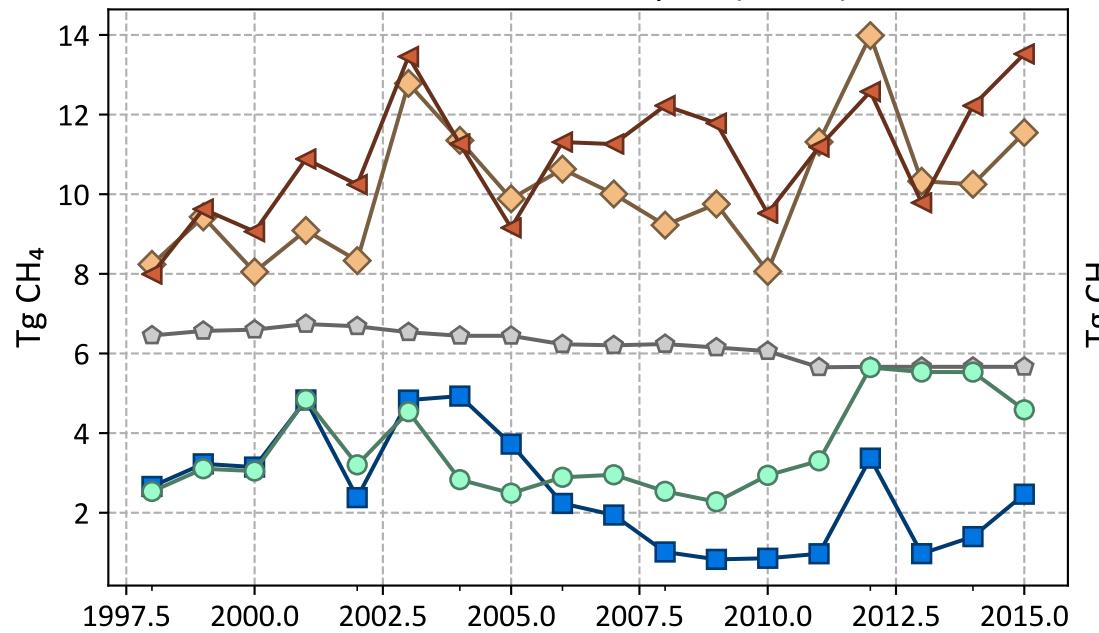
Southern Extra-Tropics (Total)



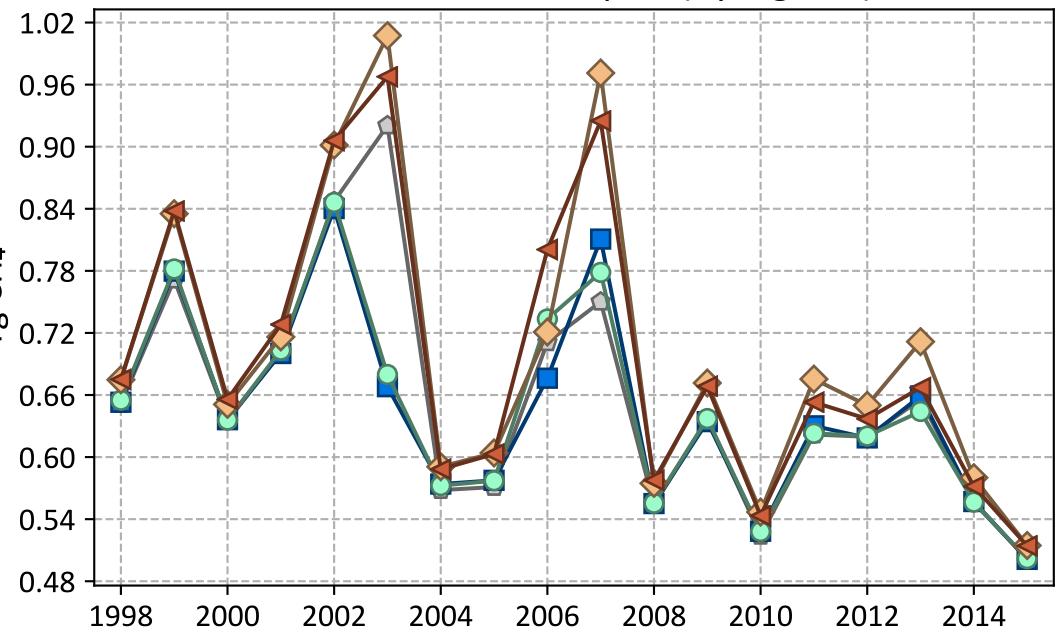
Southern Extra-Tropics (Microbial)



Southern Extra-Tropics (Fossil)



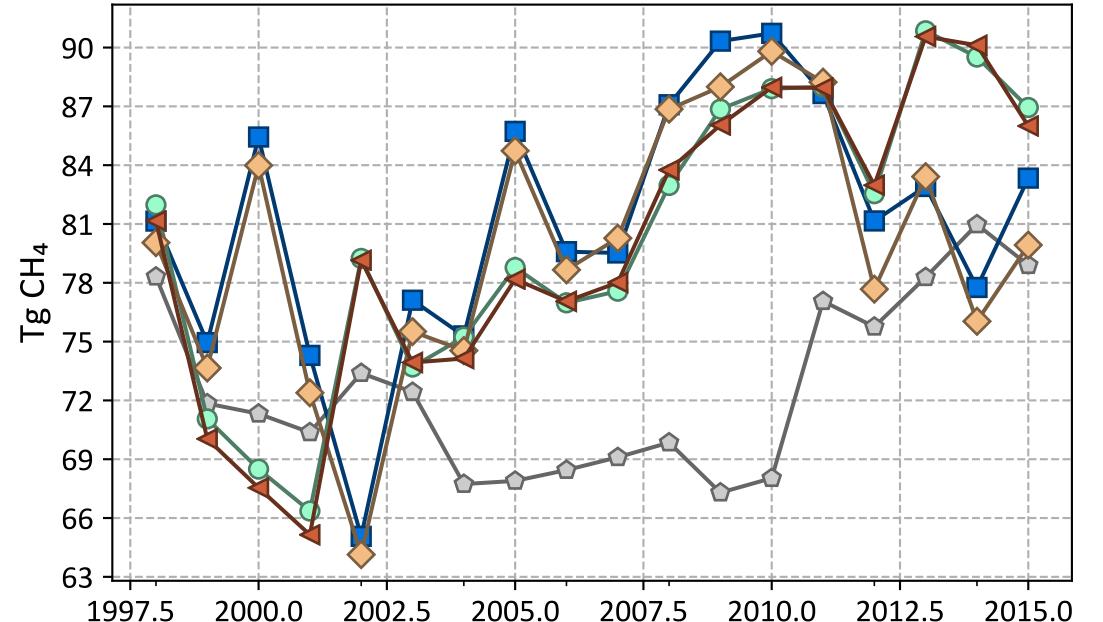
Southern Extra-Tropics (Pyrogenic)



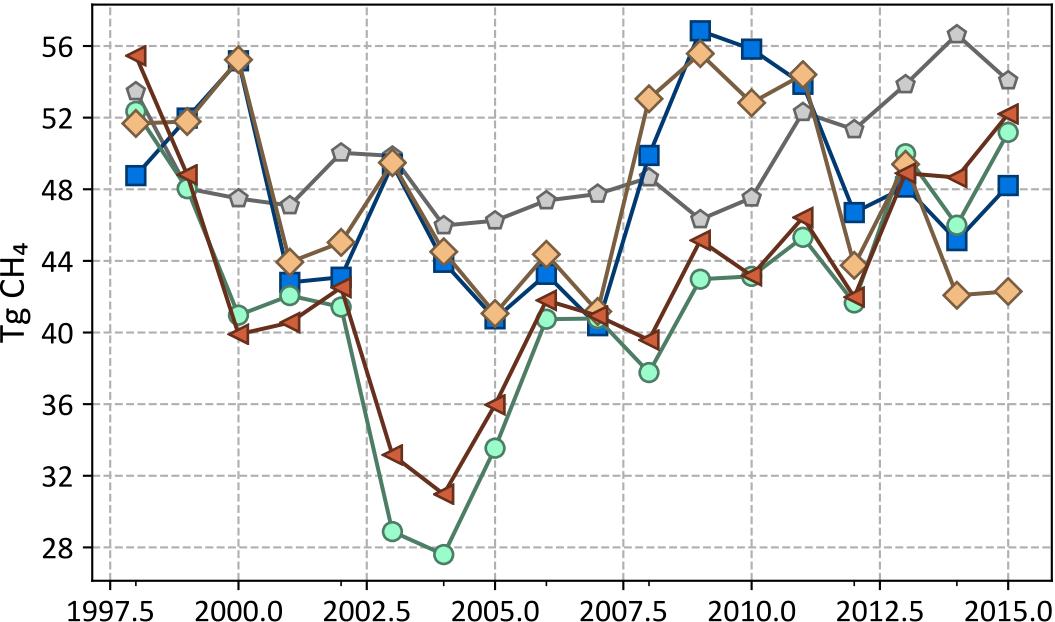
Legend:

- Prior (grey diamond)
- CH<sub>4</sub> only (safe) (blue square)
- CH<sub>4</sub> only (full) (green circle)
- CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (safe) (orange diamond)
- CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (full) (brown triangle)

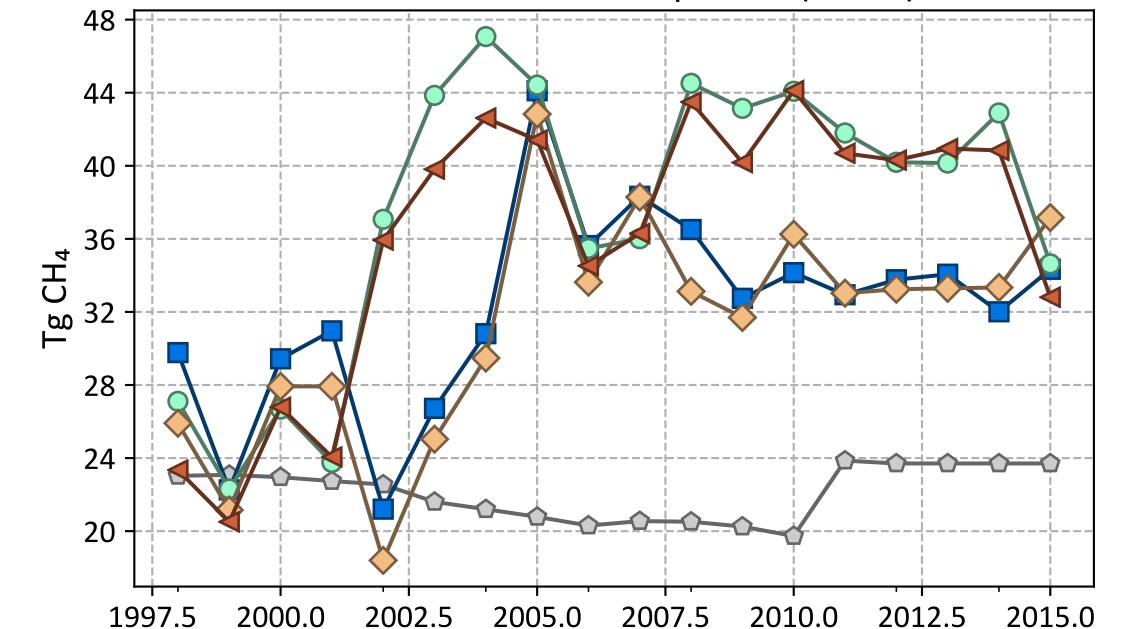
North American Temperate (Total)



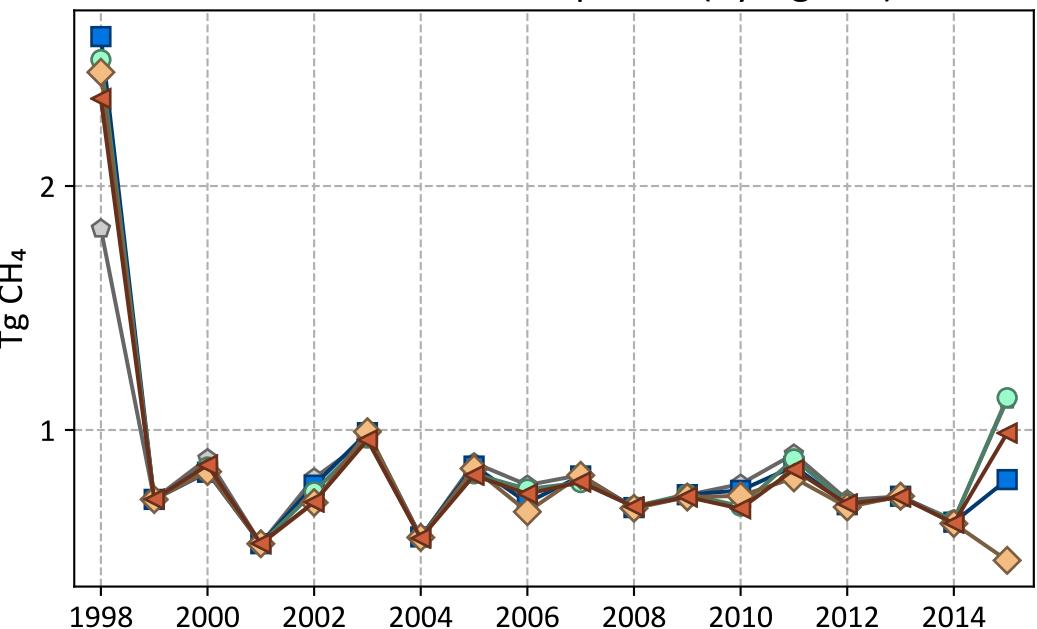
North American Temperate (Microbial)



North American Temperate (Fossil)



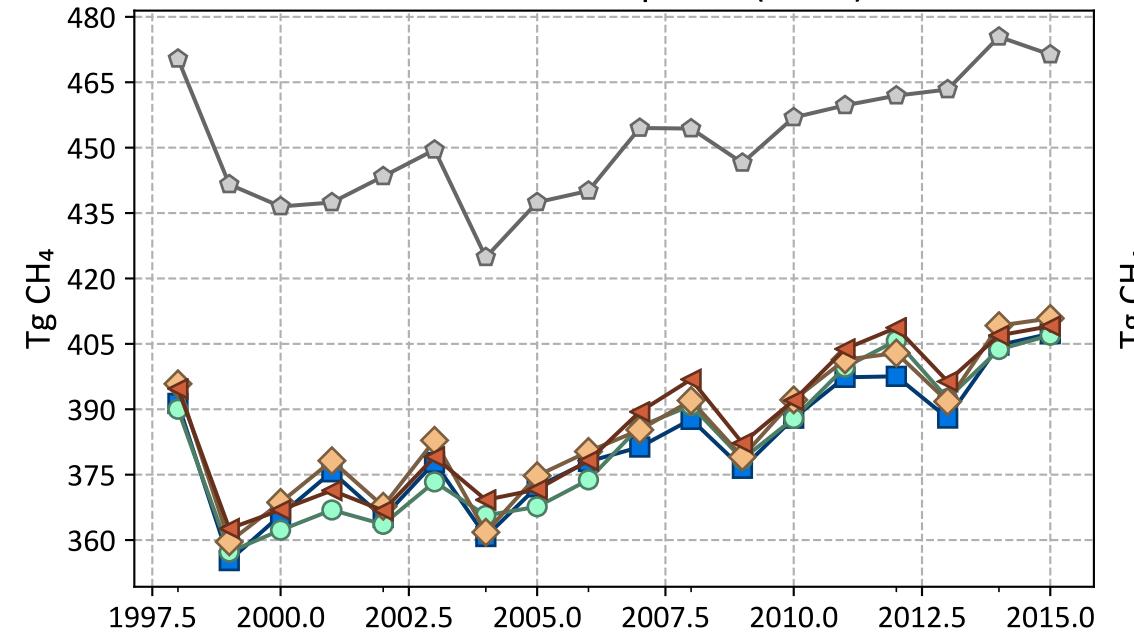
North American Temperate (Pyrogenic)



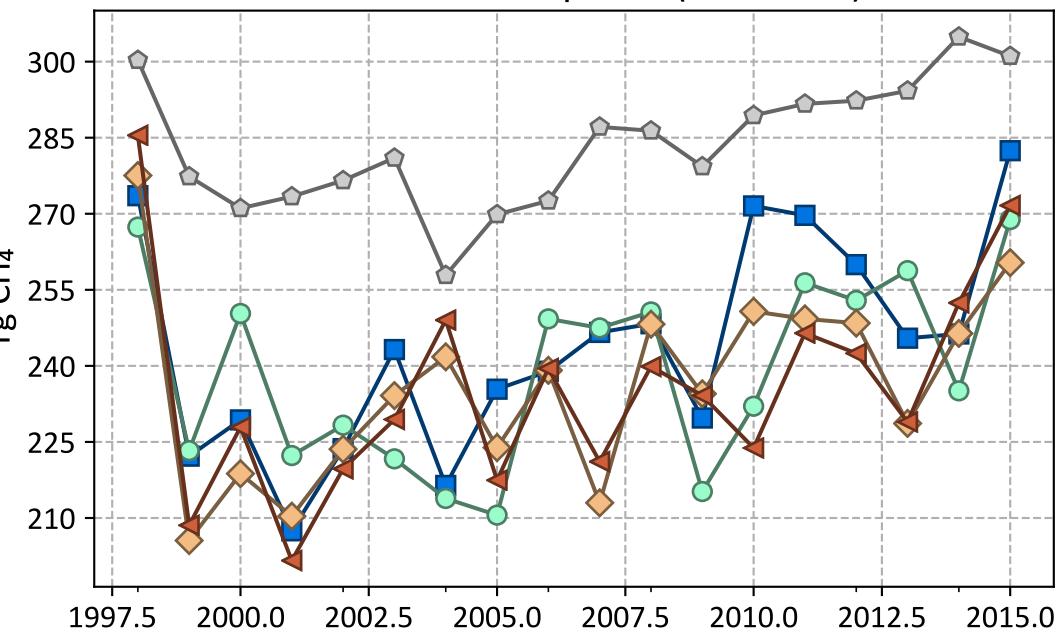
Legend:

- Prior (grey diamond)
- $\text{CH}_4$  only (safe) (blue square)
- $\text{CH}_4$  only (full) (green circle)
- $\text{CH}_4 + \delta^{13}\text{CH}_4$  (safe) (orange diamond)
- $\text{CH}_4 + \delta^{13}\text{CH}_4$  (full) (brown triangle)

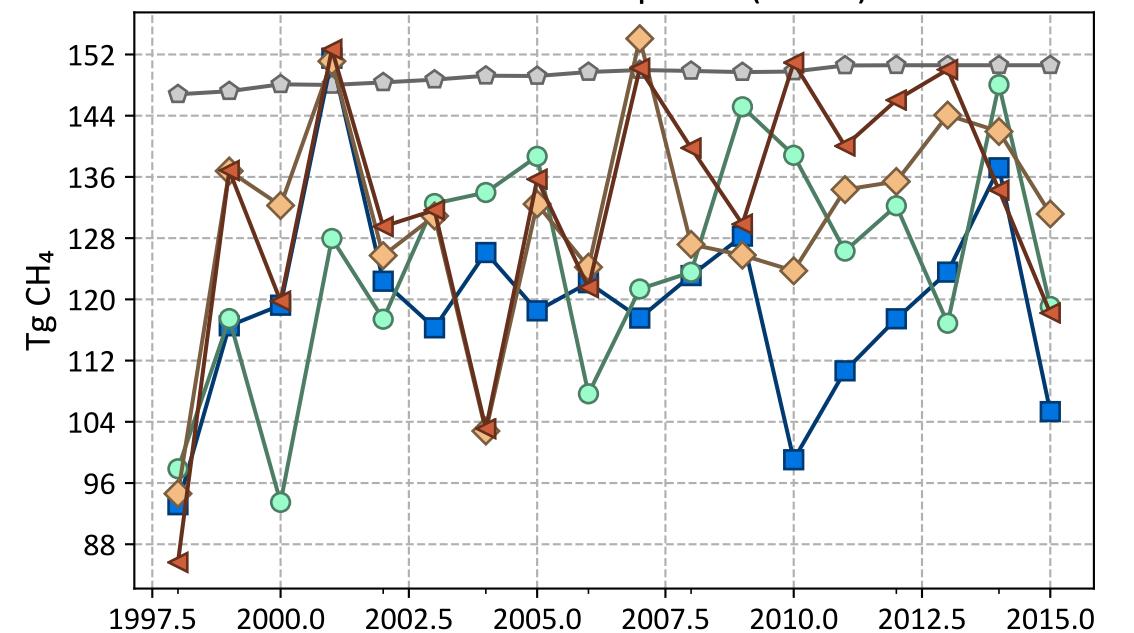
Northern Hemisphere (Total)



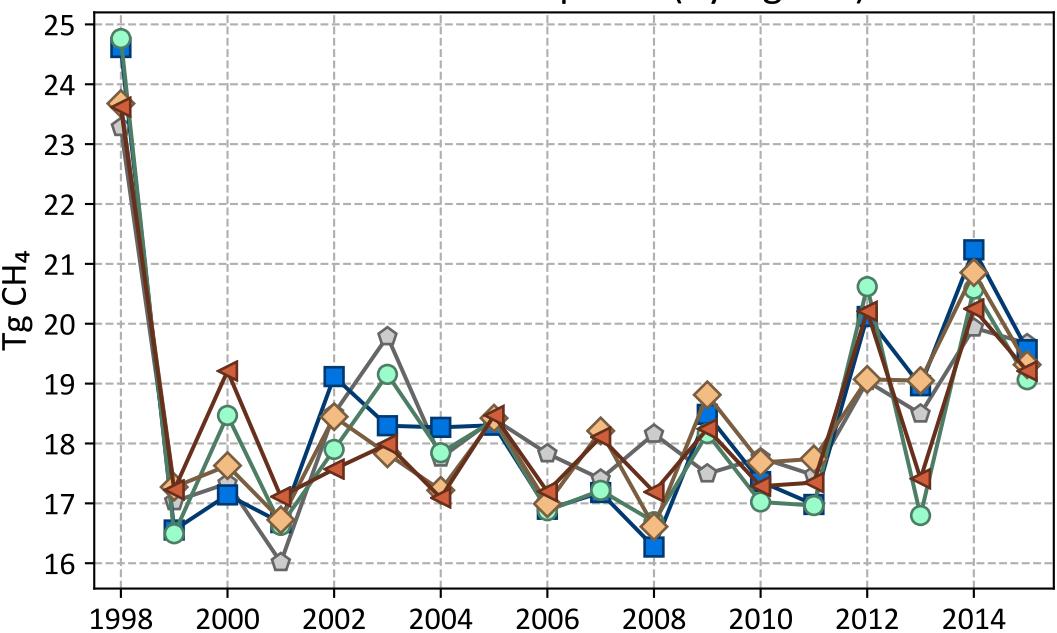
Northern Hemisphere (Microbial)



Northern Hemisphere (Fossil)



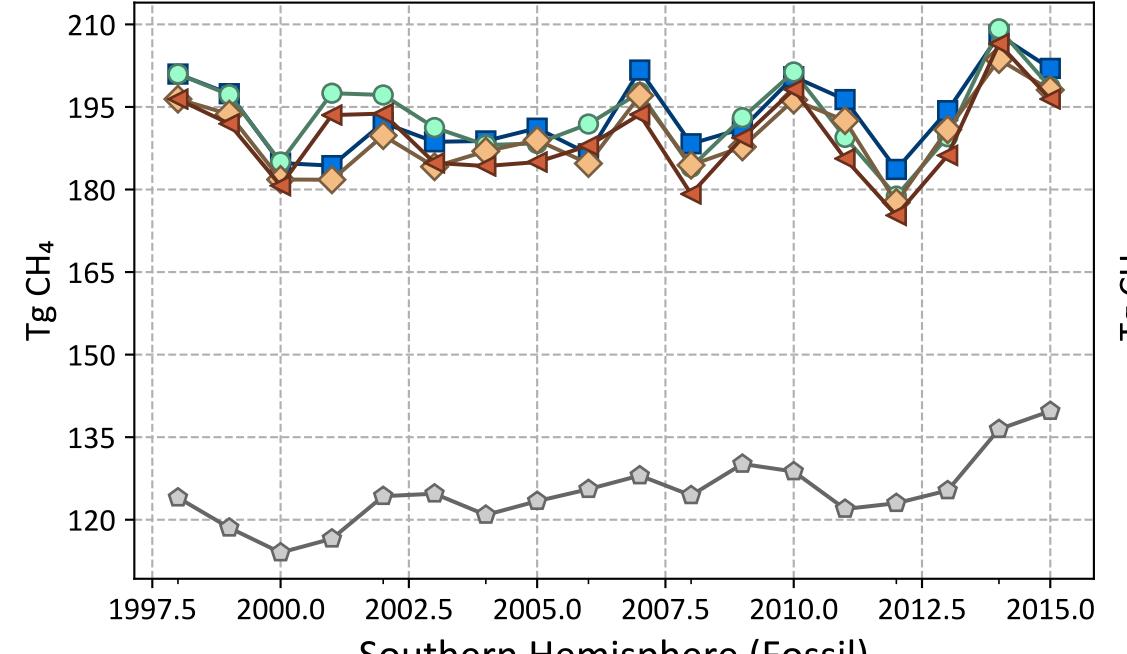
Northern Hemisphere (Pyrogenic)



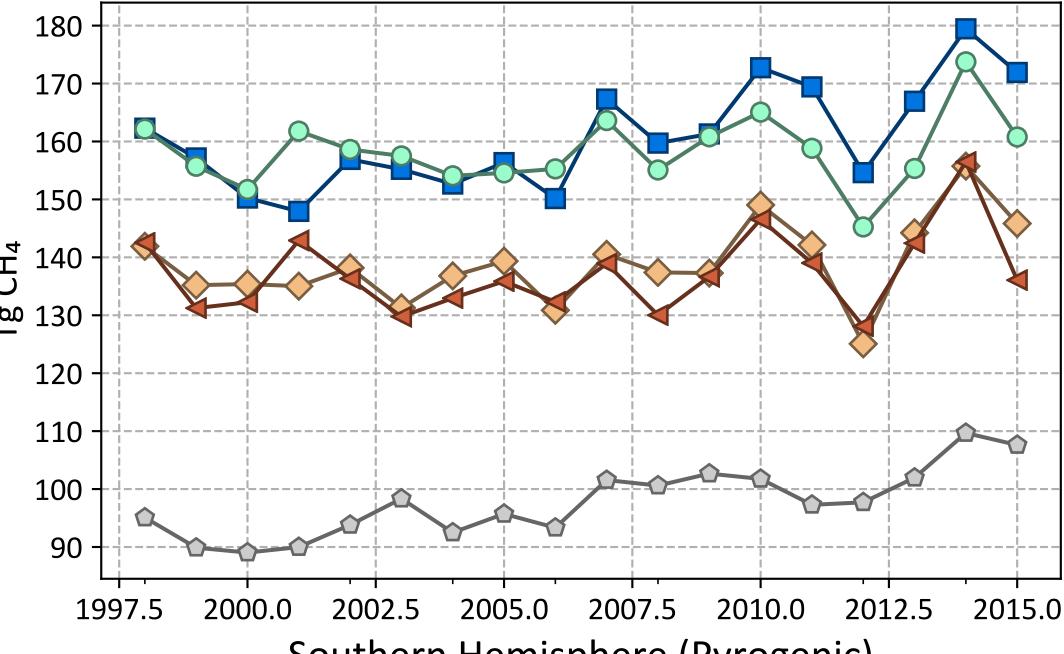
Legend:

- Prior (grey diamond)
- CH<sub>4</sub> only (safe) (blue square)
- CH<sub>4</sub> only (full) (green circle)
- CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (safe) (orange diamond)
- CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (full) (brown triangle)

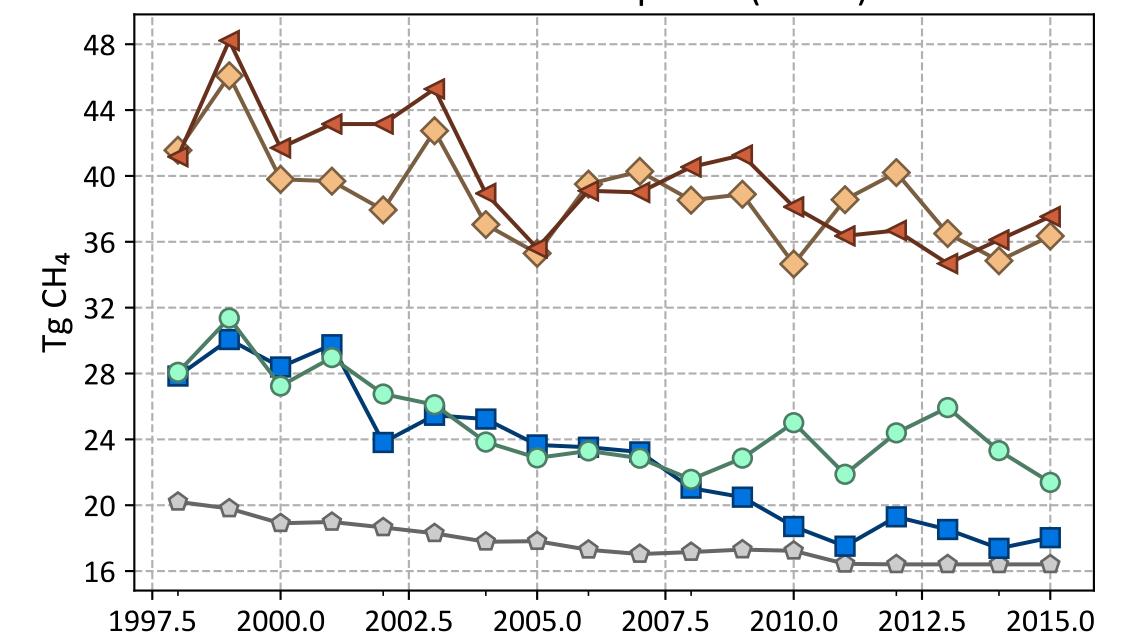
Southern Hemisphere (Total)



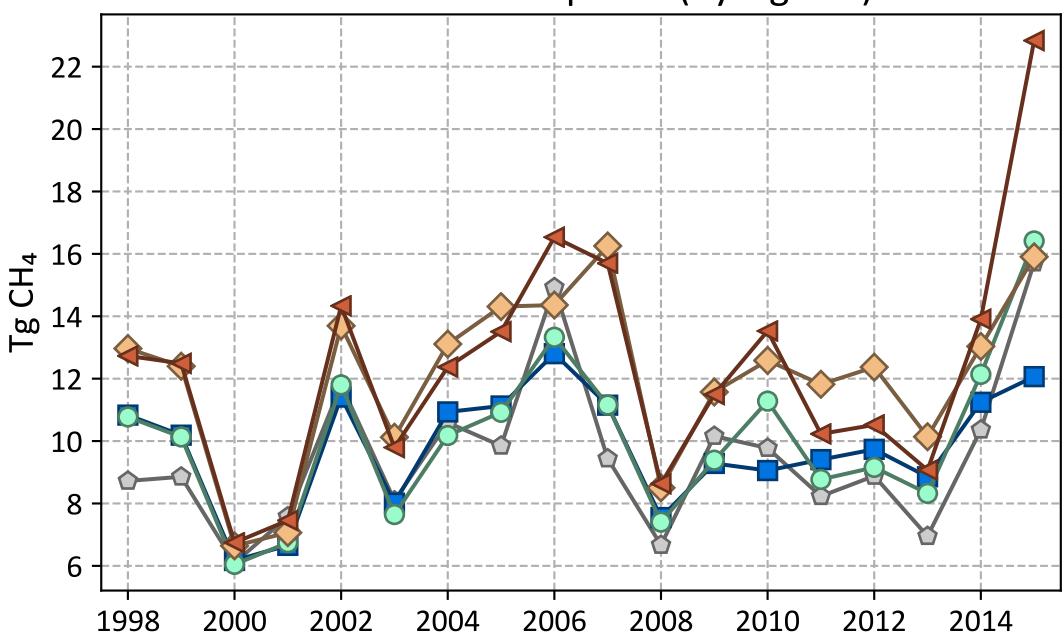
Southern Hemisphere (Microbial)



Southern Hemisphere (Fossil)



Southern Hemisphere (Pyrogenic)



Legend: □ Prior   ■ CH<sub>4</sub> only (safe)   ● CH<sub>4</sub> only (full)   ▲ CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (safe)   ▲ CH<sub>4</sub>+δ<sup>13</sup>CH<sub>4</sub> (full)