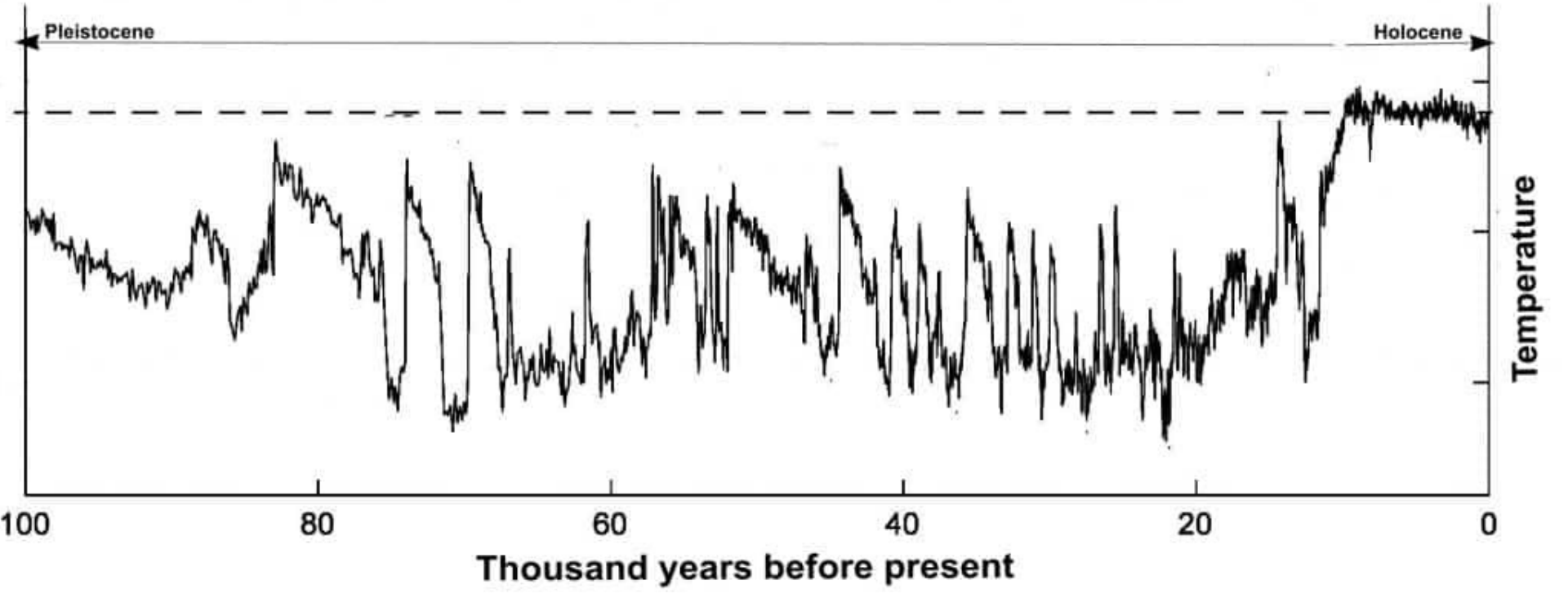
Gelecek Gelmeden

Prof. Dr. Levent Kurnaz

Boğaziçi Üniversitesi

İklim Değişikliği ve Politikaları Araştırma Merkezi

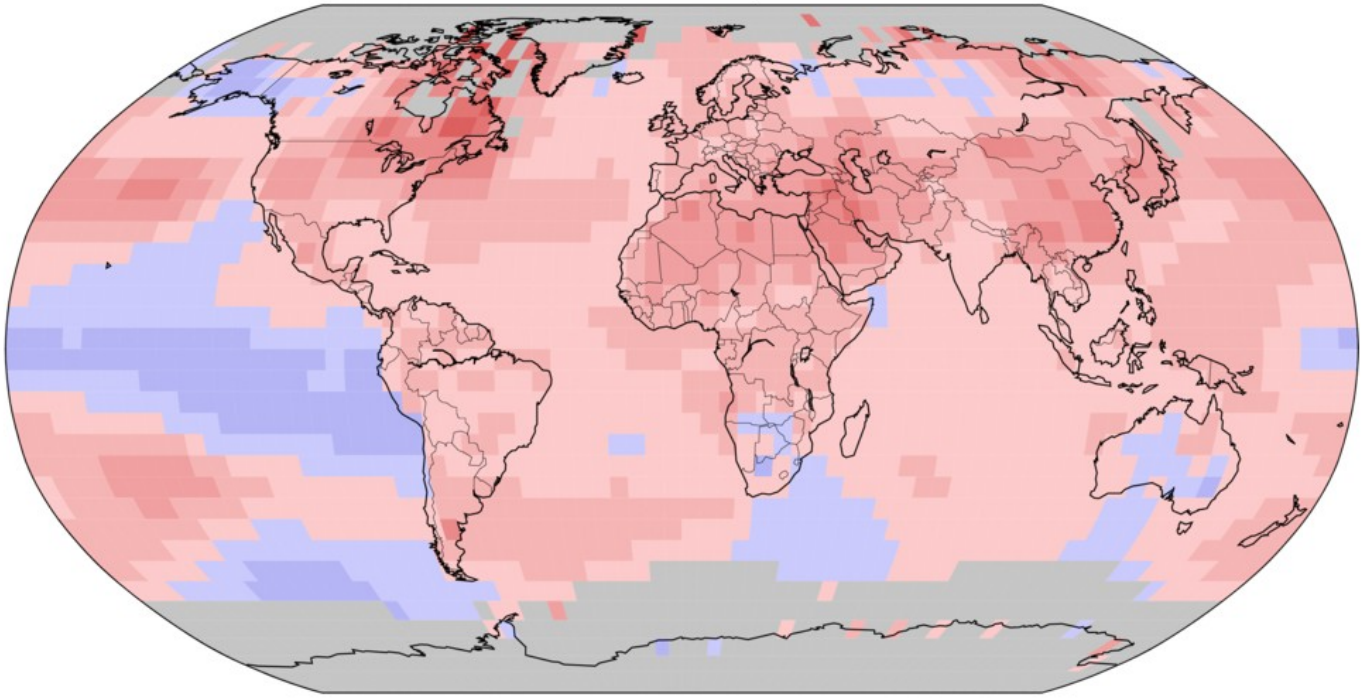
Medeniyetimizi iklimin değişmezliğine borçluyuz

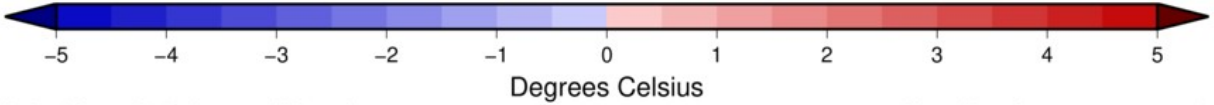


Land & Ocean Temperature Departure from Average Jan–Dec 2021

(with respect to a 1981–2010 base period)

Data Source: NOAAGlobalTemp v5.0.0–20220108





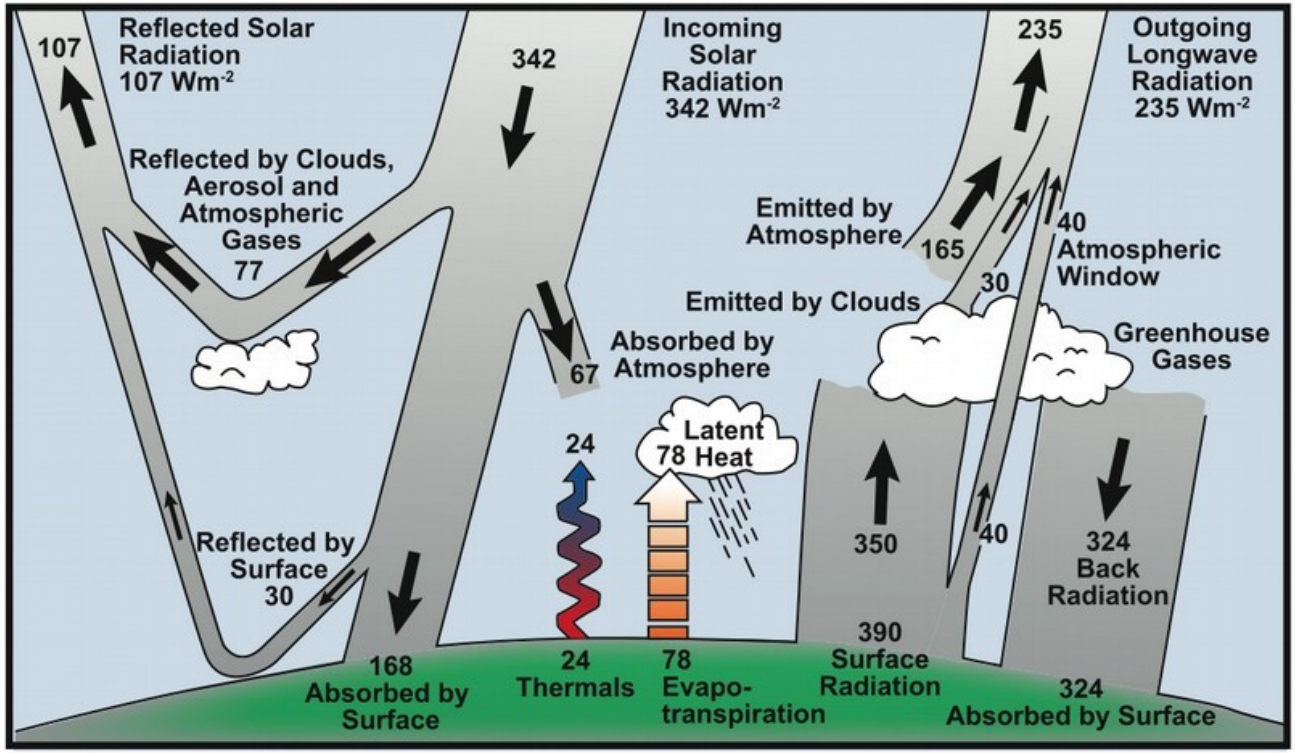
National Centers for Environmental Information

GHCNM v4.0.1.20220107.qfe

Please Note: Gray areas represent missing data

Map Projection: Robinson

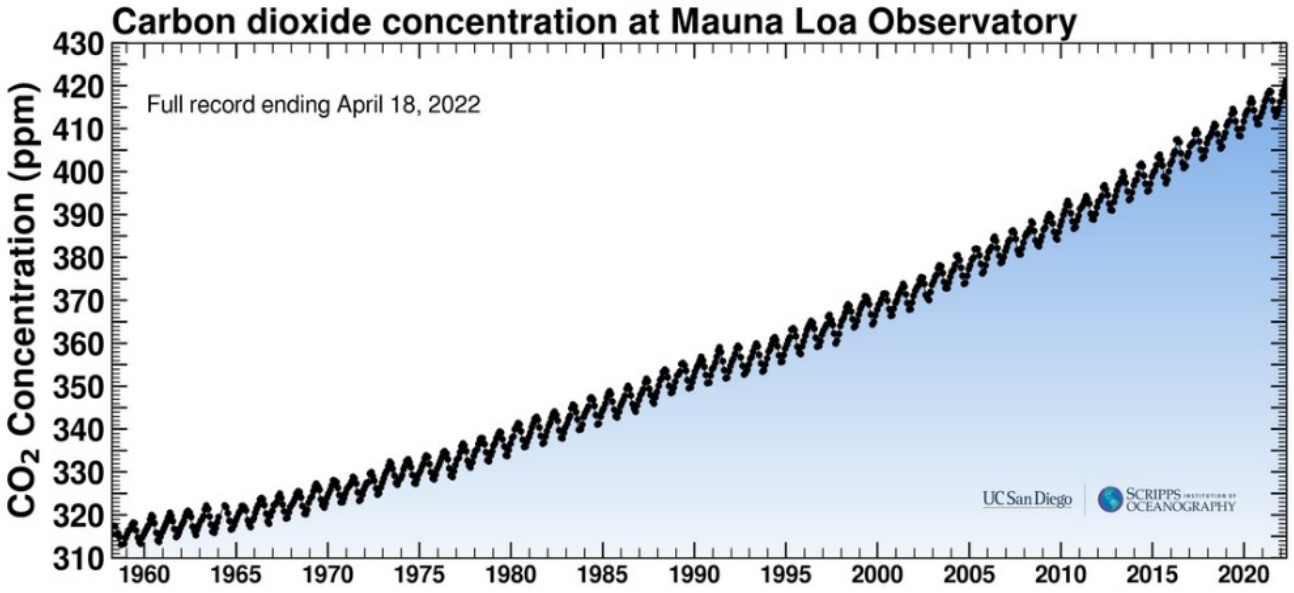
Dünyanın Enerji Muhasebesi



Karbondioksit Artışı

Latest CO_2 reading: 420.56 ppm

ONE WEEK | ONE MONTH | SIX MONTHS | ONE YEAR | TWO YEARS | FULL RECORD | 1700-PRESENT | 2K YEARS | 10K YEARS | 800K YEARS



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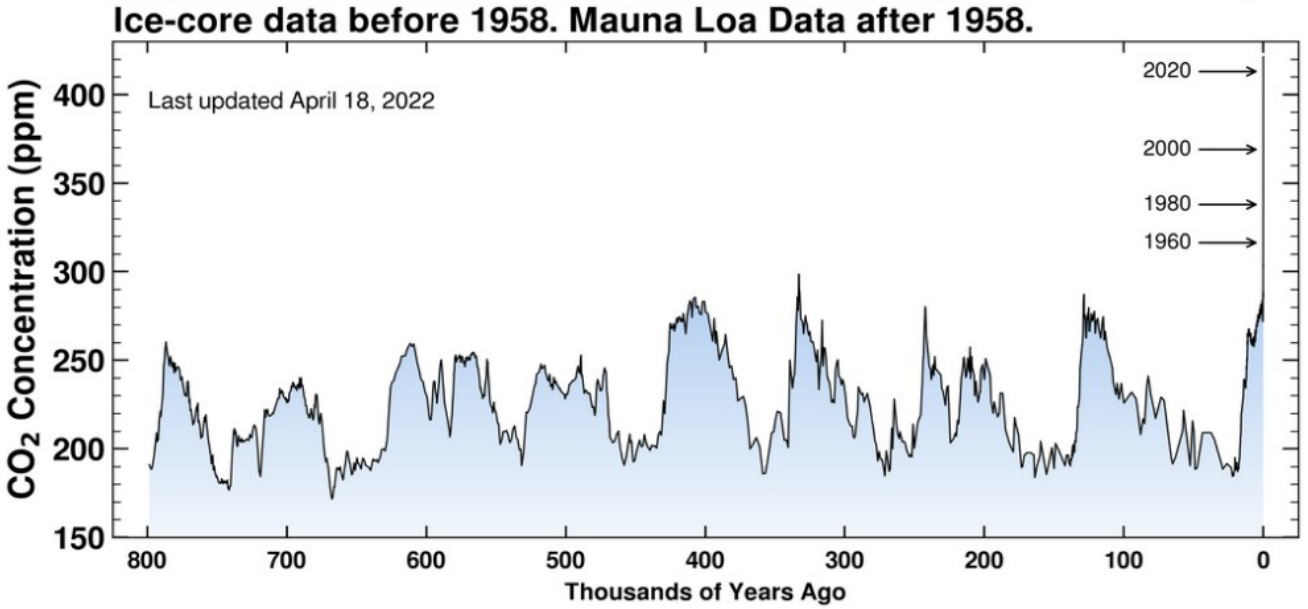
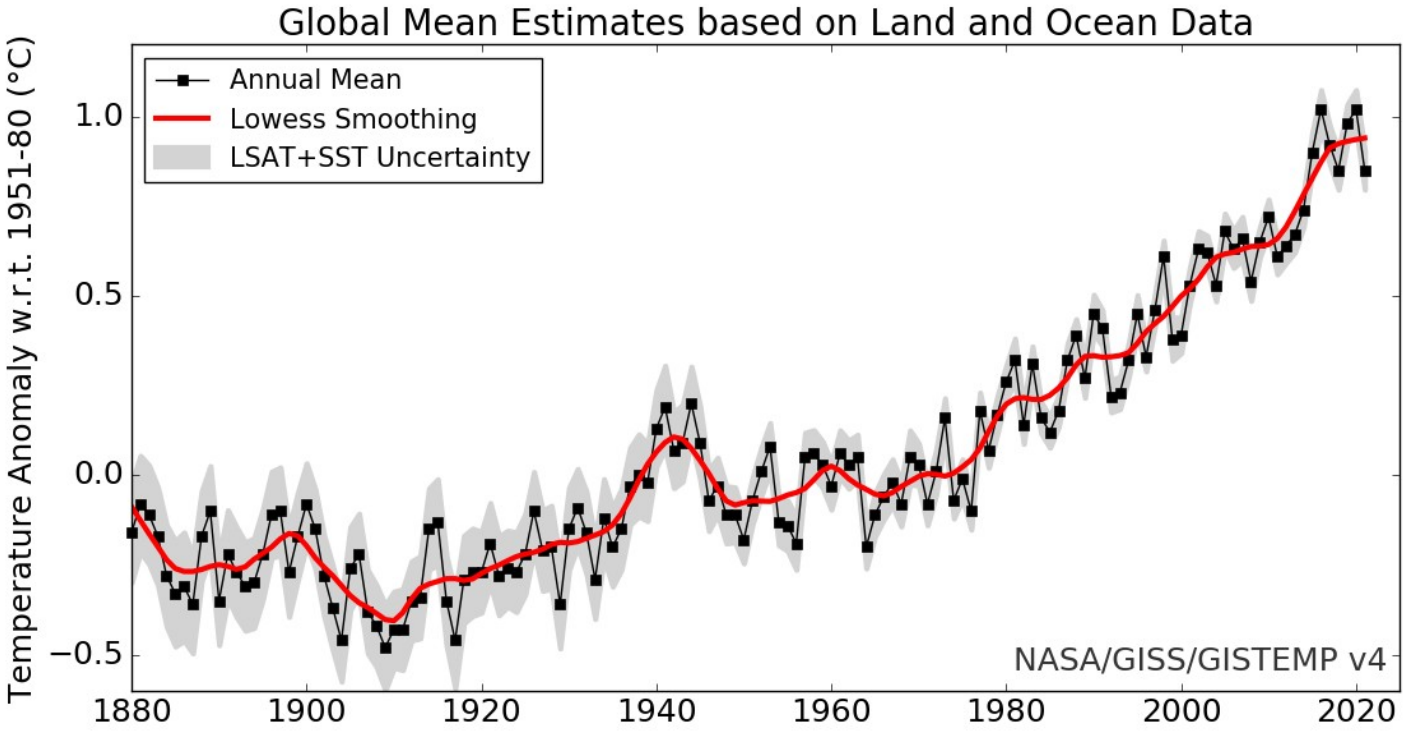
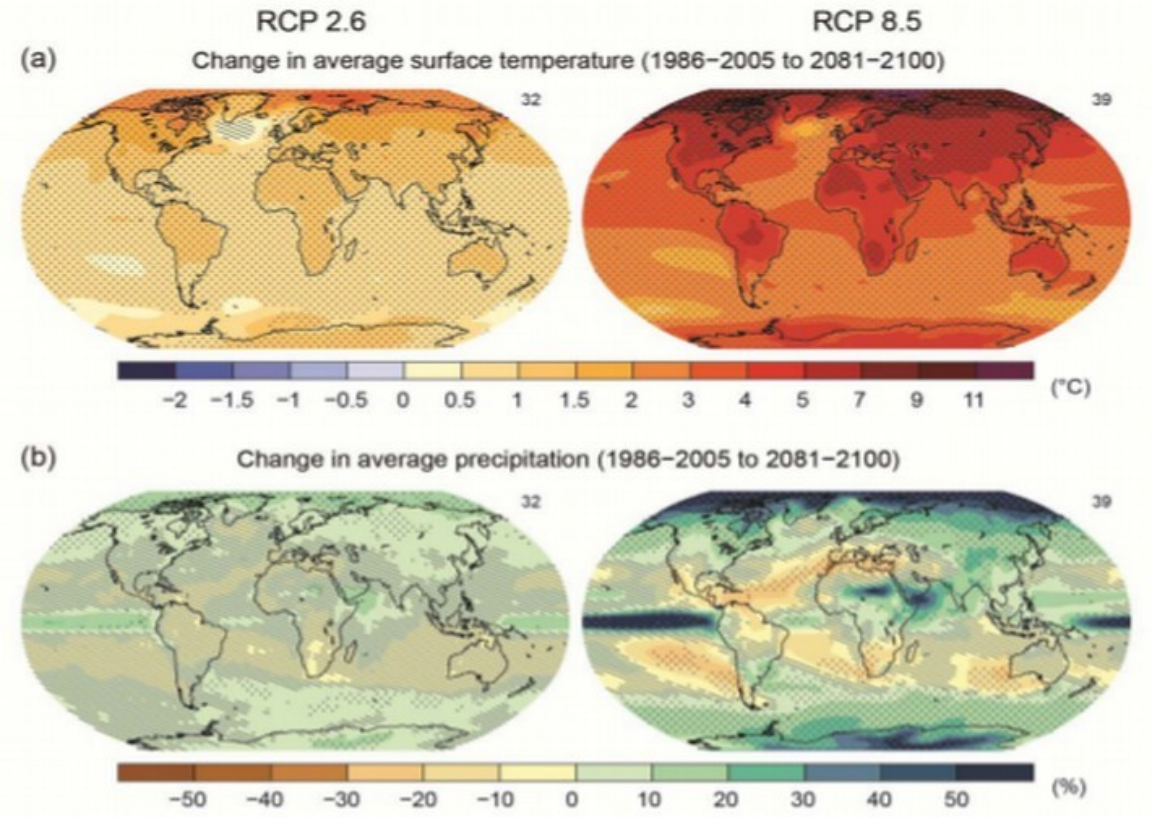


Son yüz yılın sıcaklık değişimi

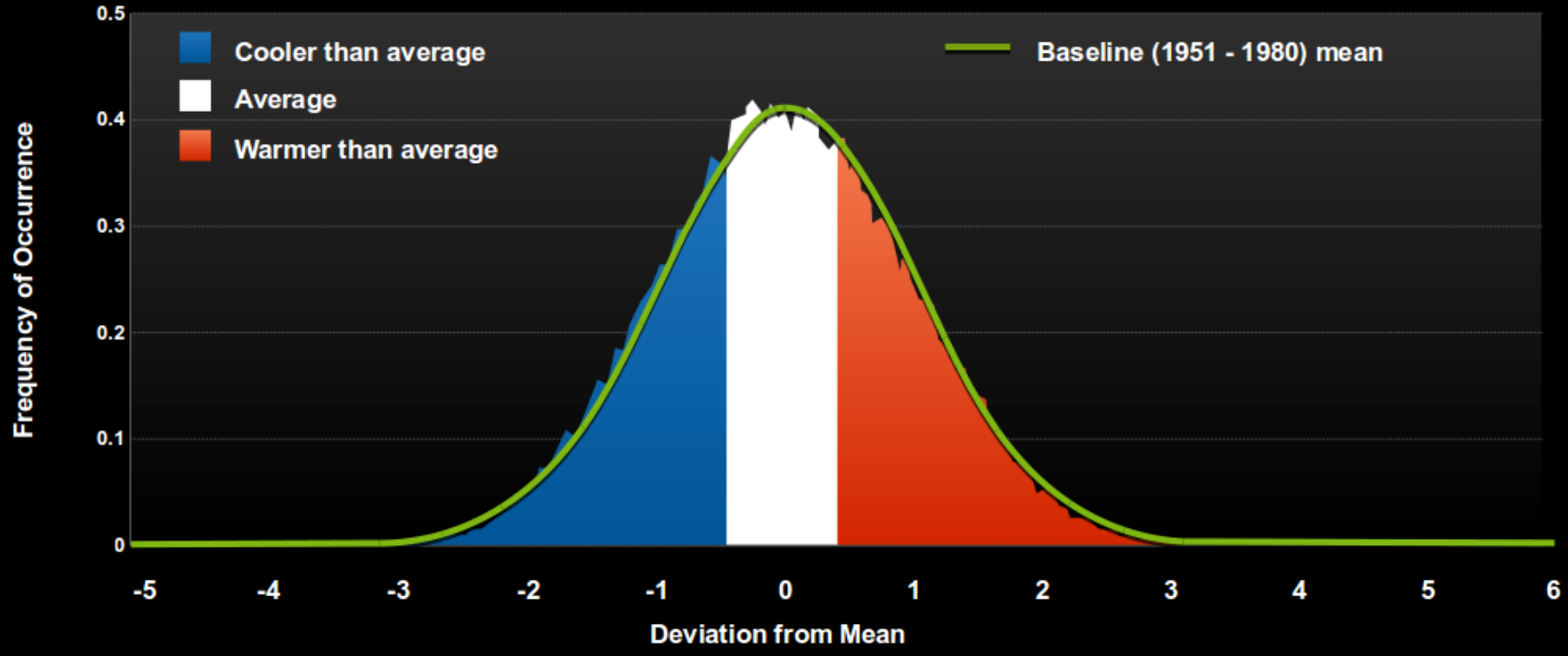


Senaryolara Göre İklim Değişikliği

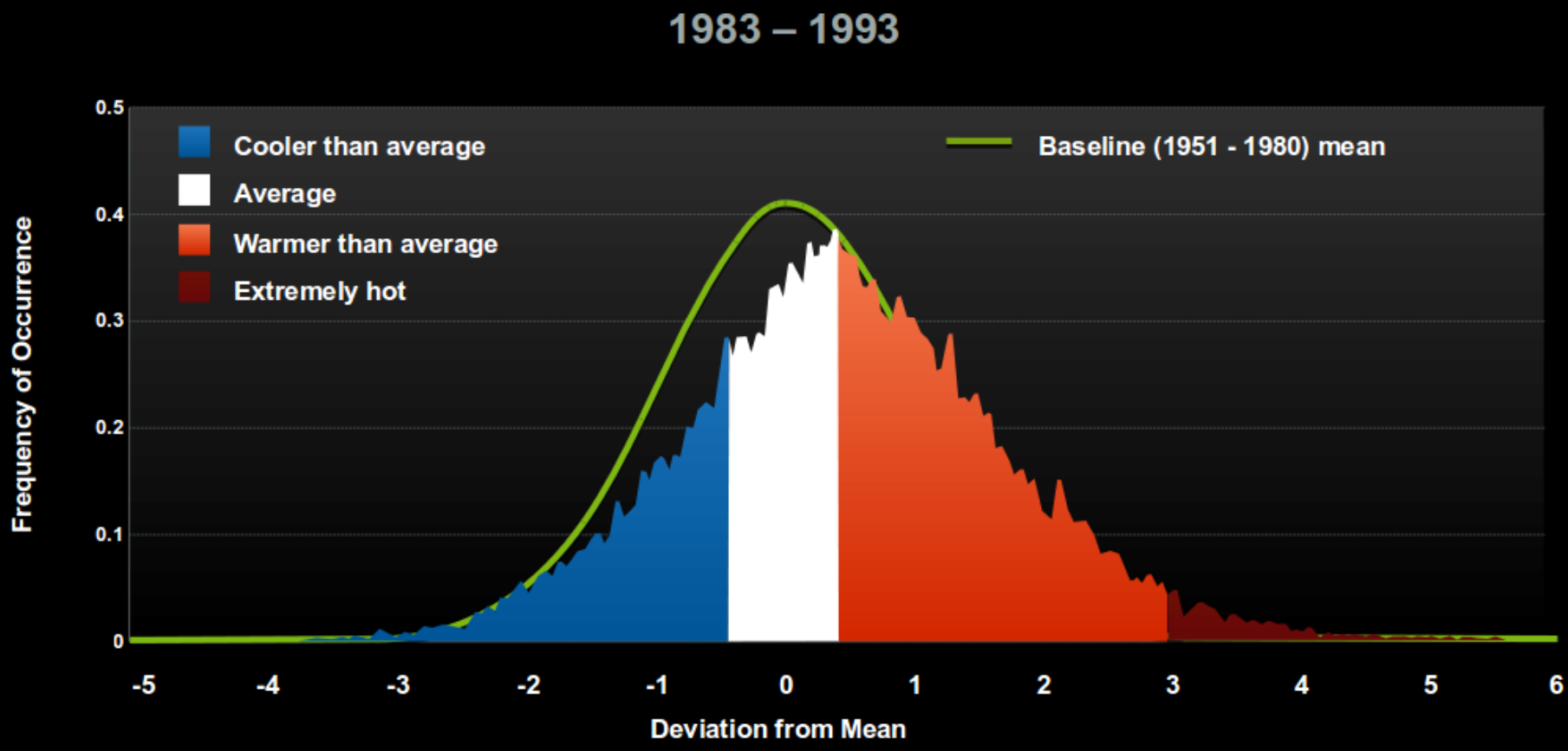


Summer Temperatures Have Shifted

1951 – 1980

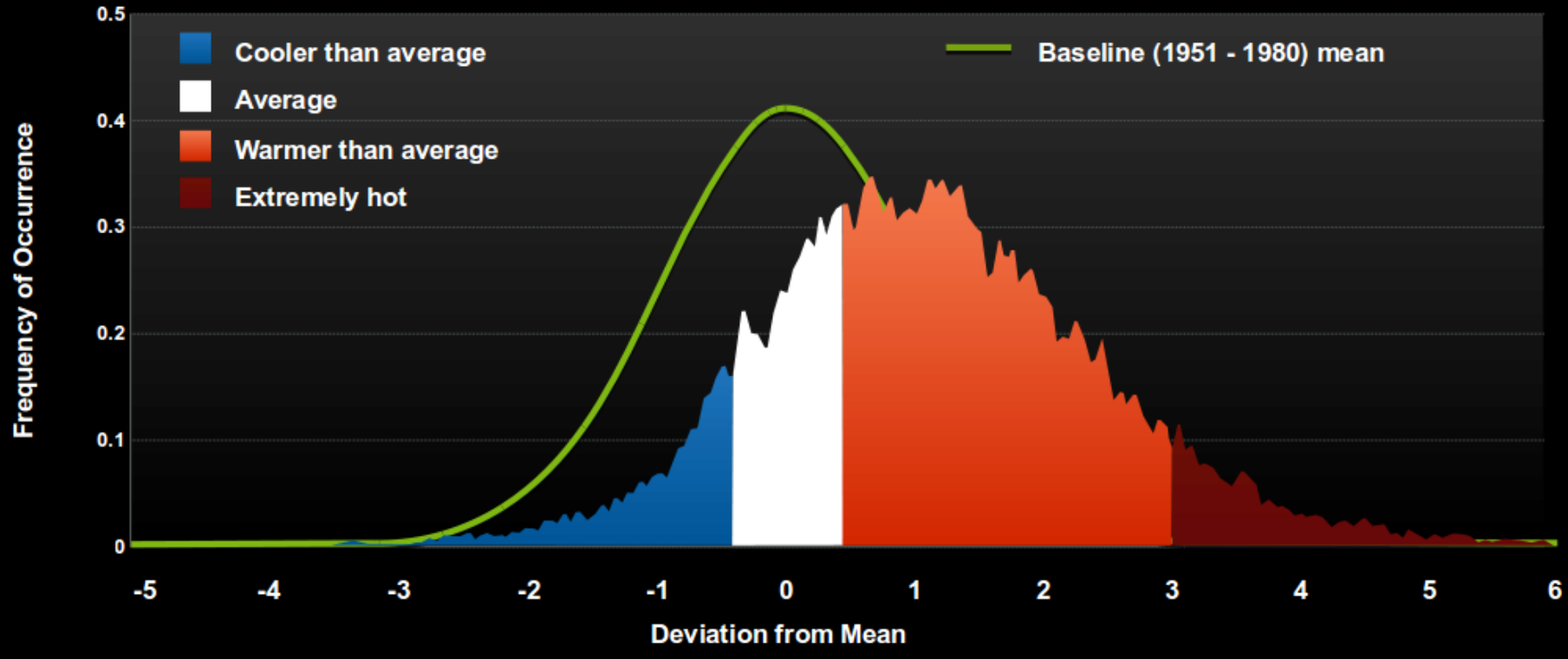


Source: NASA/GISS; Hansen, et al., "Perceptions of Climate Change," Proc. Natl. Acad. Sci. USA 10.1073, August 2012 – Updated 2016



Source: NASA/GISS; Hansen, et al., "Perceptions of Climate Change," Proc. Natl. Acad. Sci. USA 10.1073, August 2012 – Updated 2016

1994 – 2004



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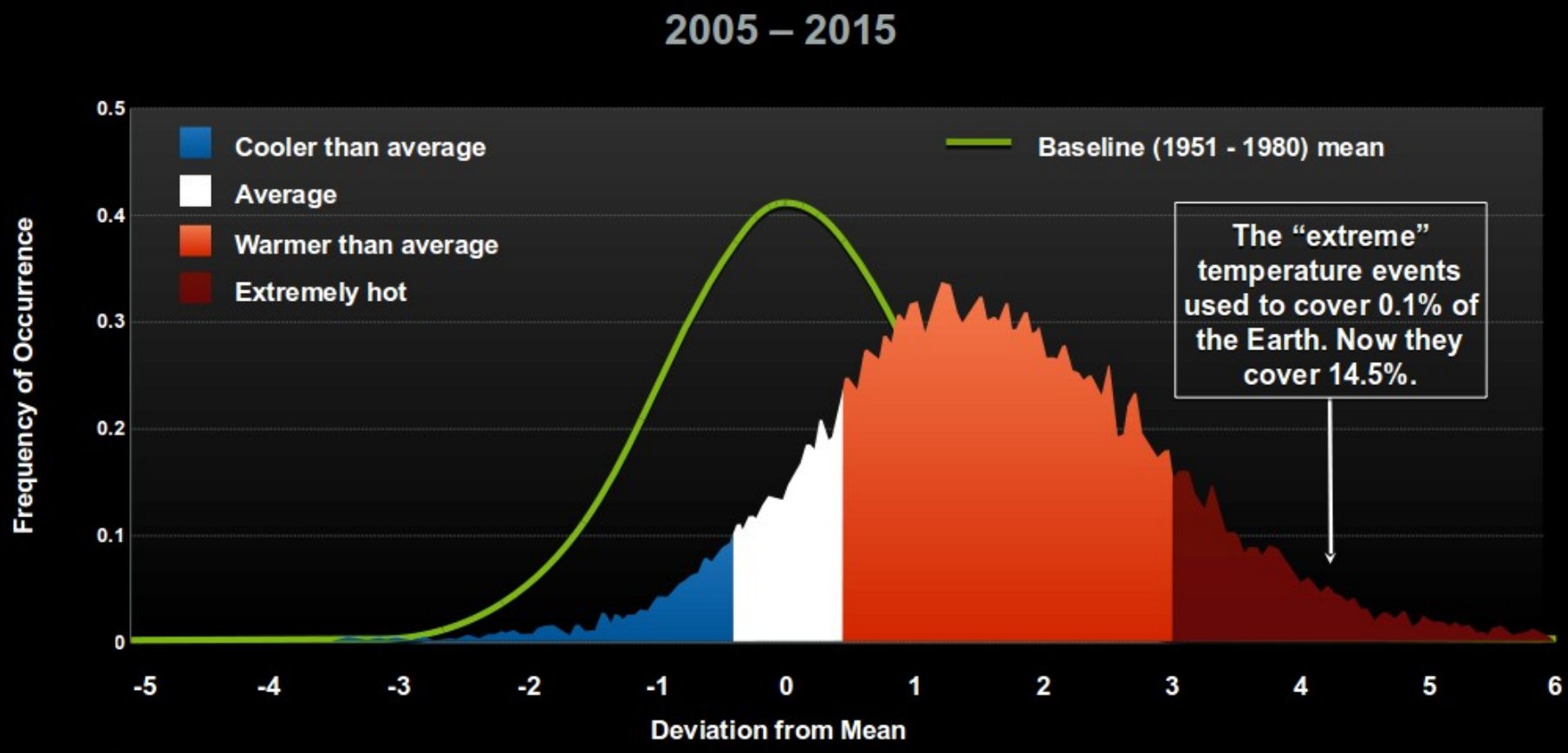

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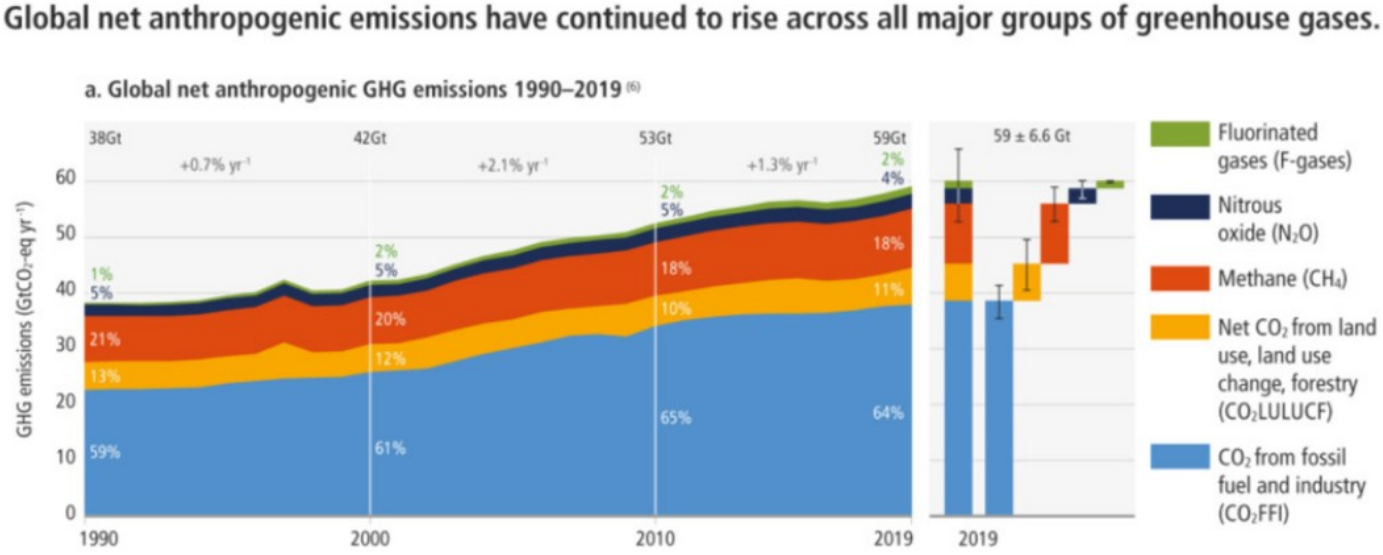
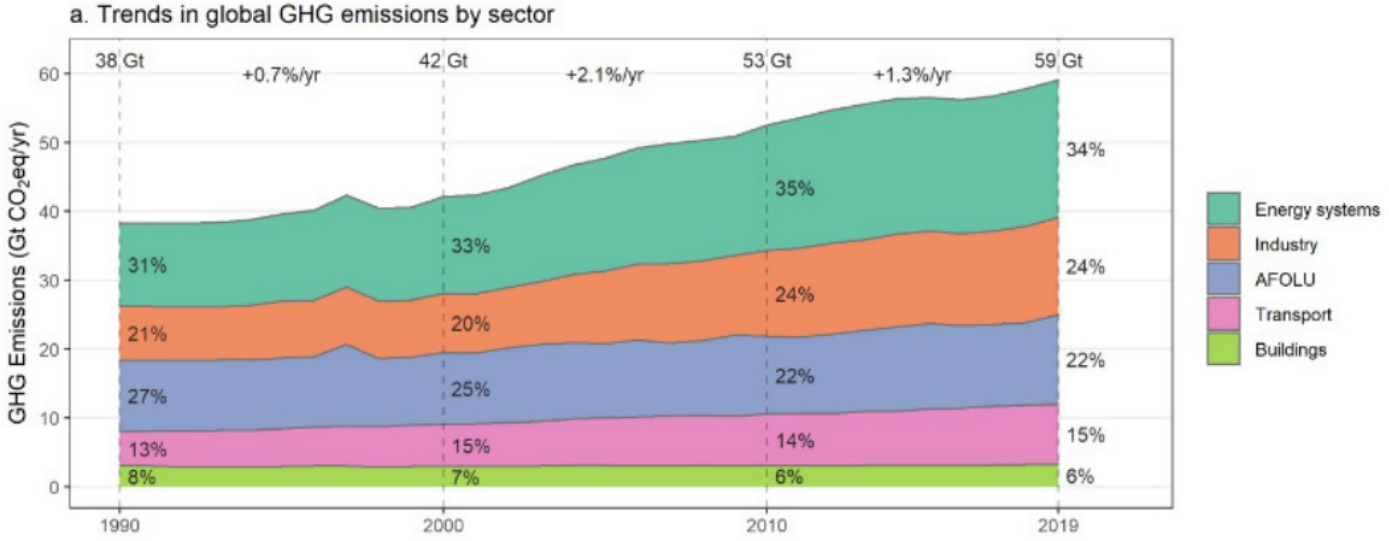
Sera Gazlarının Kaynakları Nelerdir?



Karbondioksit tüm sera gazı salımlarının üçte ikisini oluşturur.

Sera Gazlarının Kaynakları Nelerdir?

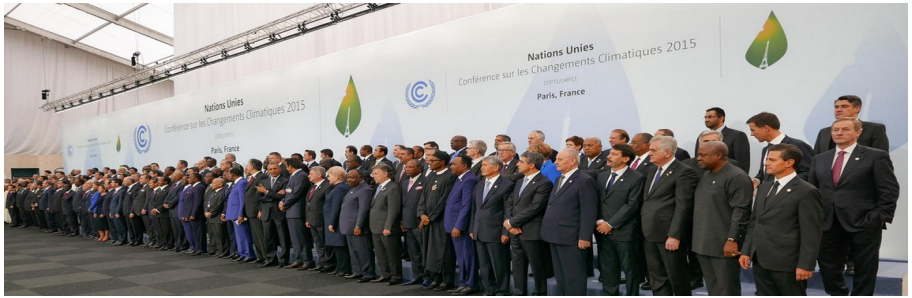


İnşaat sektörü ve binalar salımların %6'sını oluşturur.

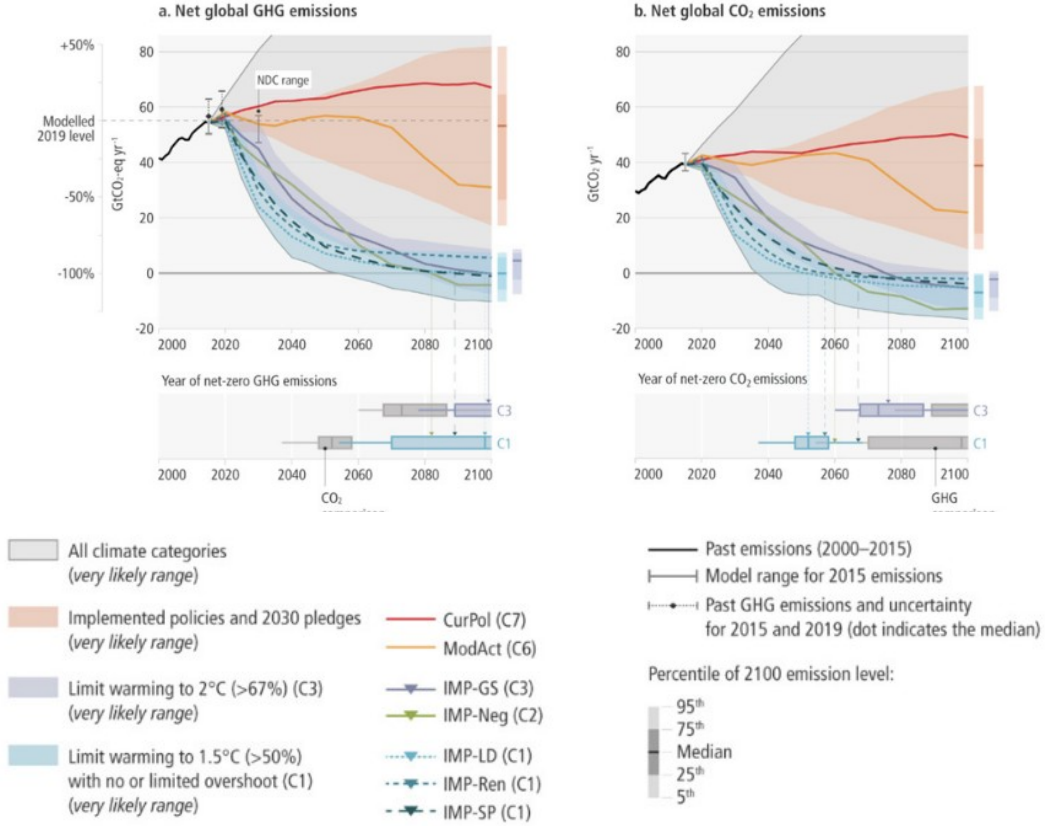
Paris Anlaşması

İklim değişikliğini durdurma amacıyla yapılmış en son anlaşma Paris Anlaşmasıdır. 2015 yılında kabul edilen bu anlaşma, 2020 – 2030 yılları arasında yapılacak çalışmaları kapsar ve ülkelerin gönüllülük esasıyla yapacakları katkıları kapsar. Yükümlülük ancak verilen sözler bağlamındadır ve bağlayıcılığı da olmayan temennilere dayanır.

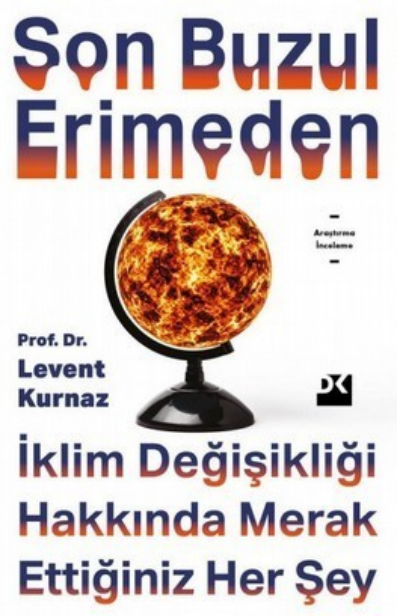
Paris Anlaşmasının ana öngörüsü küresel sıcaklık artışının 2 ^{o}C'nin oldukça altında ve mümkünse 1,5 ^{o}C altında durdurulmasıdır. IPCC raporlarına göre bugüne kadarki artış yaklaşık 1,2 ^{o}C olduğuna göre bu hedefin görünürde çok ciddi bir hedef olduğu ortadadır.



Bilimsel Sonuçlar ve Niyet Beyanları



European Green Deal

1. ‘Climate neutral’ Europe
2. **Circular economy**
3. Building renovation
4. Zero-pollution
5. Ecosystems & biodiversity
6. Farm to fork strategy
7. Transport
8. Finance
9. R&D and innovation
10. External relations

Sabırla dinlediğiniz için teşekkürler!!