

Kritik Ham Maddeler Diplomasisi

Caner Can



Why Trump wants Ukraine's rare earths

Known as the bread basket of Europe, Ukraine also boasts vast mineral resources

Olena Harmash • Saturday 15 February 2025 10:46 GMT • 5 Comments



TRT WORLD

Zinc
Oil and Gas
Gold
Greenland
Nickel
Titanium

ALL ABOUT 'GREEN'

EU opens Greenland office as it seeks critical raw materials

BREAKING VNG ATTACK ON HAITI'S CENTRAL BANK IN PORT-AU-PRINCE WDC 09:24

Subscribe



COBALT INSTITUTE

WEBINAR

Cobalt and Deep Sea Mining: in-depth perspective

2 PM – 3.15PM GMT / 9 AM – 10.15AM ET | ONLINE
25 FEBRUARY 2025

01

**Ham Maddelerde
Kritiklik**

02

**Kritik Ham
Maddeler ve
Tarihsel Arka
Plan**

03

**Yeni Enerji
Mimarisi ve
Kritik Ham
Maddeler**

01

**Ham Maddelerde
Kritiklik**

02

**Kritik Ham
Maddeler ve
Tarihsel Arka
Plan**

03

**Yeni Enerji
Mimarisi ve
Kritik Ham
Maddeler**

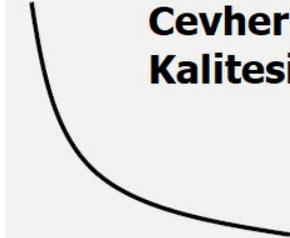
Ham Maddelerde Kritiklik

1. **Azalan** cevher kalitesi madenciliğin ekonomik ve çevresel maliyetini artırmaktadır.

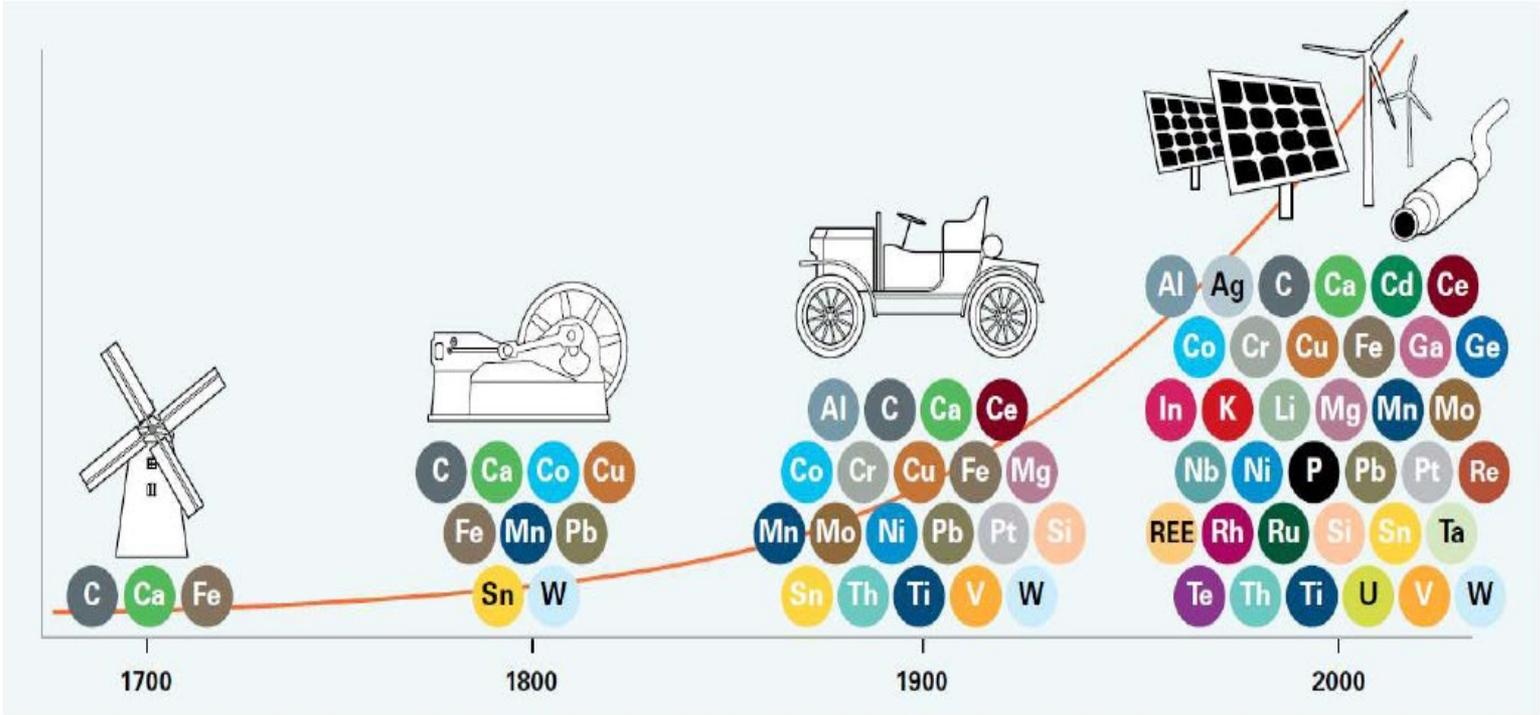
Metal
Üretimi



Cevher
Kalitesi



2. Modern teknoloji geniş yelpazede özel metaller gerektirir.



Achzet B., Reller A., and Zepf V. 2011. *Materials critical to the energy industry. An introduction.* Augsburg, Germany: University of Augsburg.

Ham Maddelerde Kritiklik

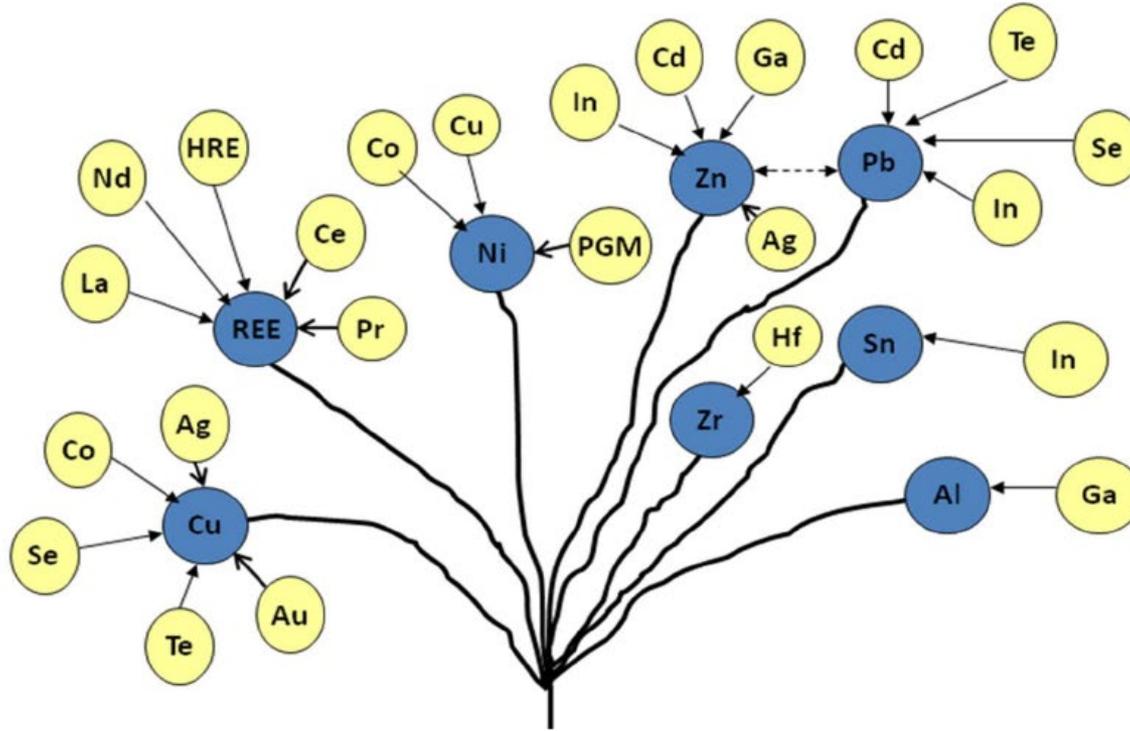
3. Metal geri dönüşümü yaygın ana metallerle sınırlıdır.

62 Metalin Geri Dönüştürülme Oranları

| | | | | | | | | | | | | | | | | | |
|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|----------------|------------|
| 1 H | | | | | | | | | | | | | | | | | 2 He |
| 3 Li | 4 Be | | | | | | | | | | | 5 B | 6 C | 7 N | 8 O | 9 F | 10 Ne |
| 11 Na | 12 Mg | | | | | | | | | | | 13 Al | 14 Si | 15 P | 16 S | 17 Cl | 18 Ar |
| 19 K | 20 Ca | 21 Sc | 22 Ti | 23 V | 24 Cr | 25 Mn | 26 Fe | 27 Co | 28 Ni | 29 Cu | 30 Zn | 31 Ga | 32 Ge | 33 As | 34 Se | 35 Br | 36 Kr |
| 37 Rb | 38 Sr | 39 Y | 40 Zr | 41 Nb | 42 Mo | 43 Tc | 44 Ru | 45 Rh | 46 Pd | 47 Ag | 48 Cd | 49 In | 50 Sn | 51 Sb | 52 Te | 53 I | 54 Xe |
| 55 Cs | 56 Ba | * | 72 Hf | 73 Ta | 74 W | 75 Re | 76 Os | 77 Ir | 78 Pt | 79 Au | 80 Hg | 81 Tl | 82 Pb | 83 Bi | 84 Po | 85 At | 86 Rn |
| 87 Fr | 88 Ra | ** | 104 Rf | 105 Db | 106 Sg | 107 Bh | 108 Hs | 109 Mt | 110 Ds | 111 Rg | 112 Uub | 113 Uut | 114 Uuq | 115 Uup | 116 Uuh | (117) (Uus) | 118 Uuo |
| * Lanthanides | | 57 La | 58 Ce | 59 Pr | 60 Nd | 61 Pm | 62 Sm | 63 Eu | 64 Gd | 65 Tb | 66 Dy | 67 Ho | 68 Er | 69 Tm | 70 Yb | 71 Lu | |
| ** Actinides | | 89 Ac | 90 Th | 91 Pa | 92 U | 93 Np | 94 Pu | 95 Am | 96 Cm | 97 Bk | 98 Cf | 99 Es | 100 Fm | 101 Md | 102 No | 103 Lr | |

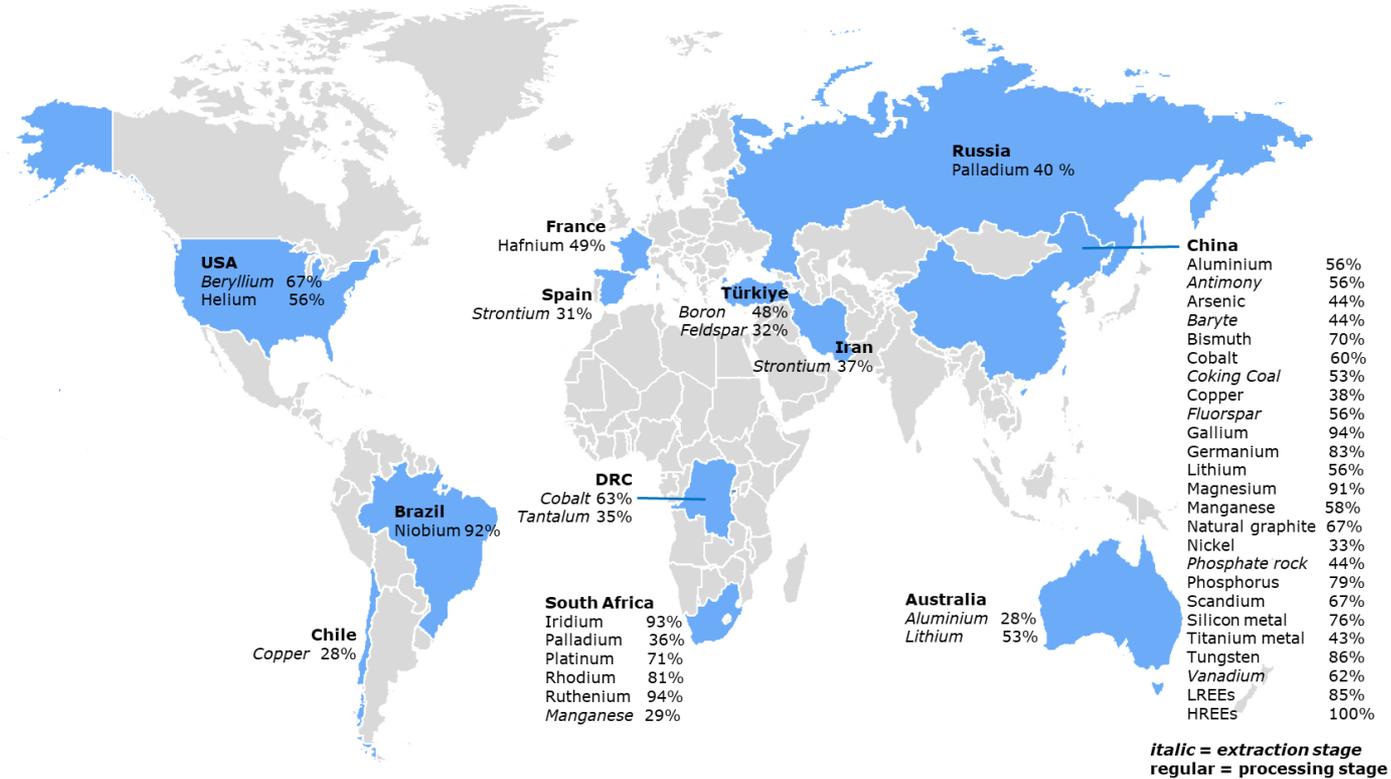
■ <1% ■ 1-10% ■ >10-25% ■ >25-50% ■ >50%

4. Birçok özel metalin üretimi **doğrudan değil**, diğer metallerle birlikte yan ürün olarak çıkarılmaktadır.



after Meskers and Hagelüken (2009)

5. Mineraller coğrafik olarak dünyada homojen dağılmaz.



01

Ham
Maddelerde
Kritiklik

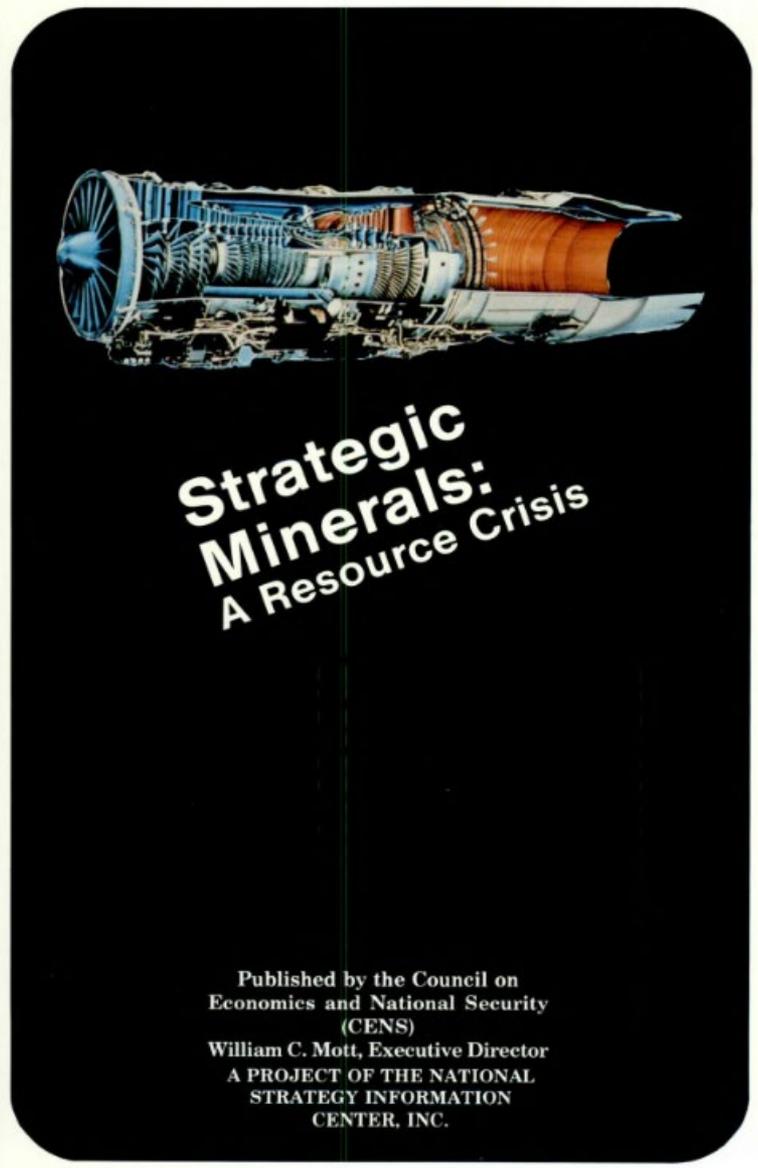
02

**Kritik Ham
Maddeler ve
Tarihsel Arka
Plan**

03

Yeni Enerji
Mimarisi ve
Kritik Ham
Maddeler

1981



“ Manganez, krom, platin ve kobalt olmaksızın, otomobil, uçak, jet motoru, uydu veya gelişmiş silahları bırakın basit ev aletlerini bile yapamayız. ”

1992, Çin Halk Cumhuriyeti

CNR CN
中国广播网

1947—2007

内蒙古自治区成立60周年

1947—2007

Home | CNR Studio | Photo News | Important News | Inner Mongolia in Pictures | Under the Sunshine of the Party | Spanning Sixty Years | Inner Mongolia Overview | Northern China Past | Historical Events

China Broadcasting Corporation Studio

You are here: Home > Illustrated Guide to Inner Mongolia

Deng Xiaoping pointed out during his southern tour: "The Middle East has oil, and China has rare earths"

China Broadcasting Network 2007-08-16 [Print this page] [Font size large, medium, small] [Close]



In June 1987, Deng Xiaoping, the chief architect of reform and opening up, predicted that Inner Mongolia would be "at the forefront" in its development when analyzing its economic development. In January 1992, he pointed out in his speech during his southern tour: "The Middle East has oil, and China has rare earths."

Source: SRC-74 Editor: Liang Quan

Important News

the Central Delegation, member of the Standing Committee of the Political Bureau of the CPC Central Committee, Secretary of the Central Secretariat, and Vice President of the State, fully affirmed the security work of the capital of the Inner Mongolia Autonomous Region during the Daqing period. The Central Delegation, headed by

Spanning sixty years

- Overview of the achievements of water conservancy in the 60th anniversary of the establishment of the Inner Mongolia Autonomous Region
- Carry forward the "Alashan Spirit" and the Alxa League will continue to write a new chapter of glory
- The cradle of the ethnic autonomy revolution: the Red City is in vogue today
- "Outlook News Weekly": A new economic highland has emerged in northern China
- "Grassland Steel City" strives to build a harmonious living environment
- Inner Mongolia: A park for overseas students and entrepreneurs on the prairie

Deng Xiaoping, 1992: " Orta Doğu'da petrol varsa, Çin'de nadir toprak elementleri var. "

2010 Japonya-Çin Senkaku Adaları Hadisesi



2019 AB Yeşil Mutabakatı



Brussels, 11.12.2019
COM(2019) 640 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN
PARLIAMENT, THE EUROPEAN COUNCIL, THE COUNCIL, THE EUROPEAN
ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE
REGIONS

The European Green Deal

“Avrupa'nın Yeşil Mutabakatı hayata geçirme hedefi açısından kaynaklara erişim stratejik bir güvenlik sorunudur. Bu nedenle, özellikle temiz teknolojiler, dijital, uzay ve savunma uygulamaları için gerekli kritik ham maddelerin hem birincil hem de ikincil kaynaklardan tedarikini çeşitlendirerek sürdürülebilir hammadde tedarikini sağlamak, enerji dönüşümünün gerçekleşmesi için ön koşullardan biridir.”

2021 AB-Ukrayna Kritik Ham Maddelerde Stratejik İşbirliği



2025

Why Trump wants Ukraine's rare earths

Known as the bread basket of Europe, Ukraine also boasts vast mineral resources

Olena Harmash • Saturday 15 February 2025 10:46 GMT • Comments



The New York Times

Russia-Ukraine War > The Latest Photos Minerals Deal Russia's Kursk Region

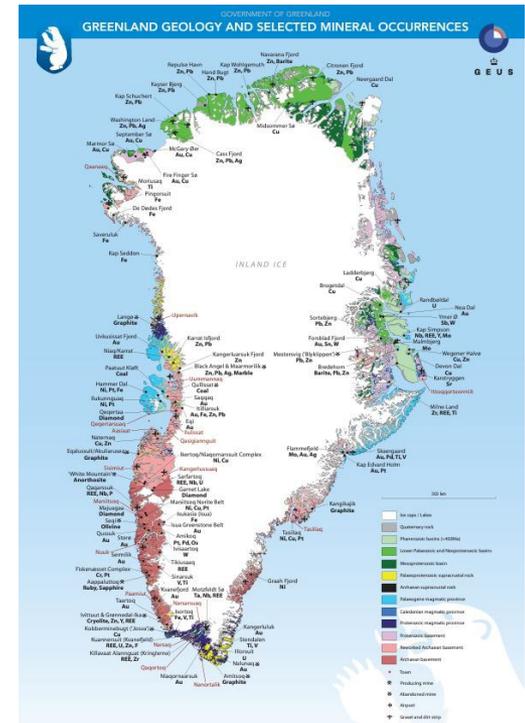
U.S. Announces Deal to Share Ukraine's Mineral Wealth

The Trump administration did not immediately provide details about the agreement, and it was not clear what it meant for the future of U.S. military support for Ukraine.

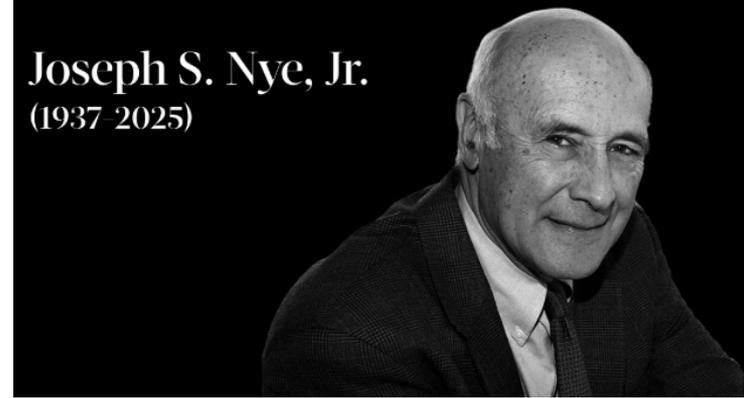
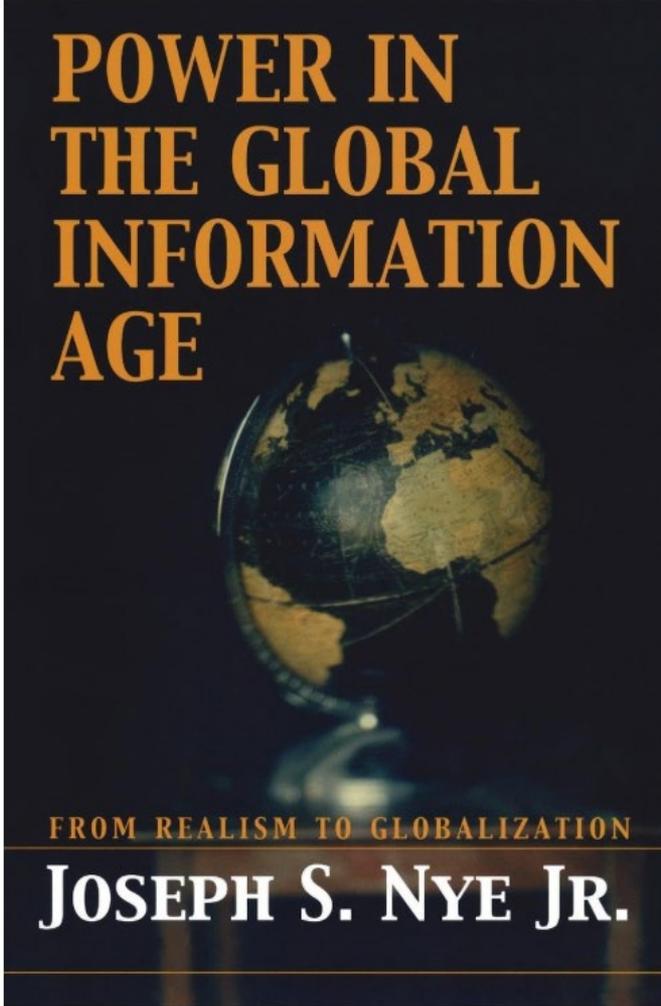
Listen to this article · 9:39 min [Learn more](#) [Share full article](#) [1.1K](#)



Scott Bessent, the U.S. Treasury secretary, and Yulia Svyrydenko, the Ukrainian economy minister, signing the minerals deal. U.S. Department of the Treasury



Küresel Bilgi Çağında Güç, 2004



Joseph S. Nye, Jr.
(1937-2025)

“Uluslararası ilişkilerde gücün değerlendirilmesinde, coğrafya, nüfus ve doğal kaynaklar gibi geleneksel faktörlerin önemi giderek ~~azalmaktadır.~~”

artmaktadır

01

Ham
Maddelerde
Kritiklik

02

Kritik Ham
Maddeler ve
Tarihsel Arka
Plan

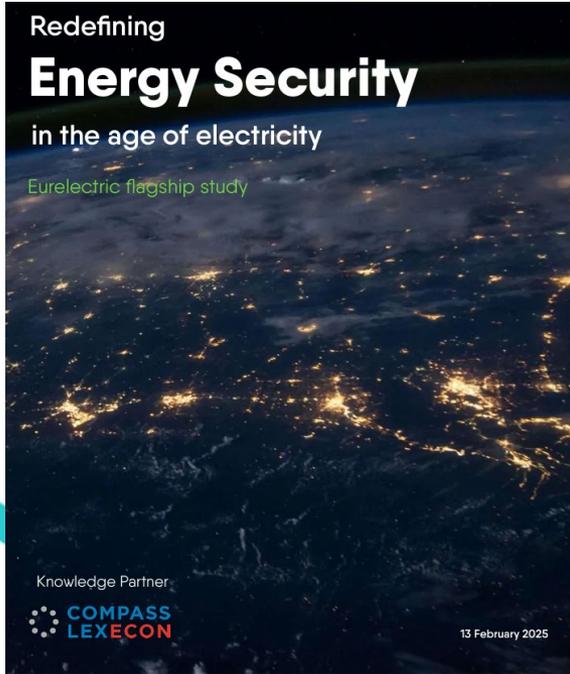
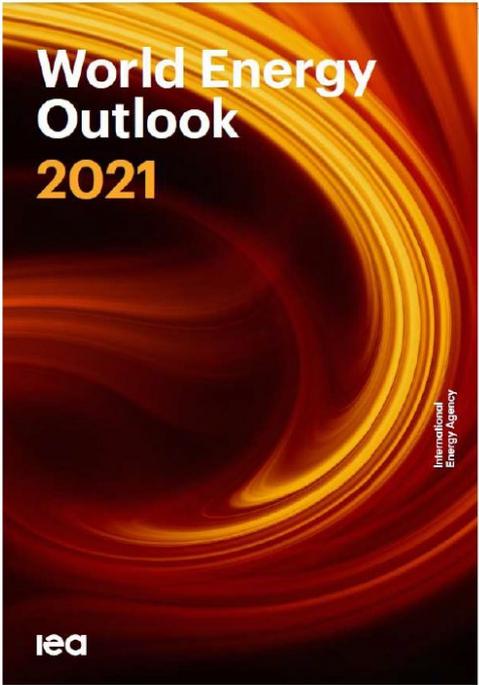
03

**Yeni Enerji
Mimarisi ve
Kritik
Hammaddeler**

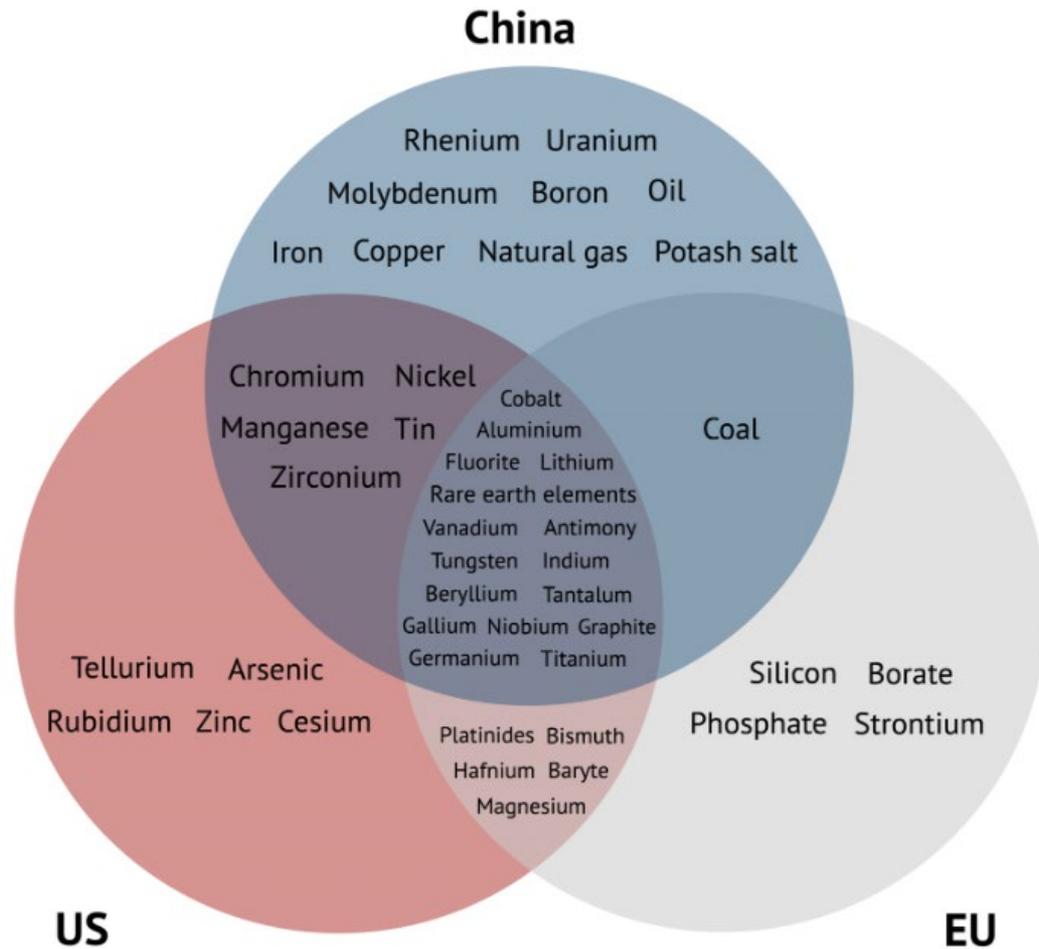
Yeni Enerji Güvenliđi Mimarisi ve Kritik Ham Maddeler

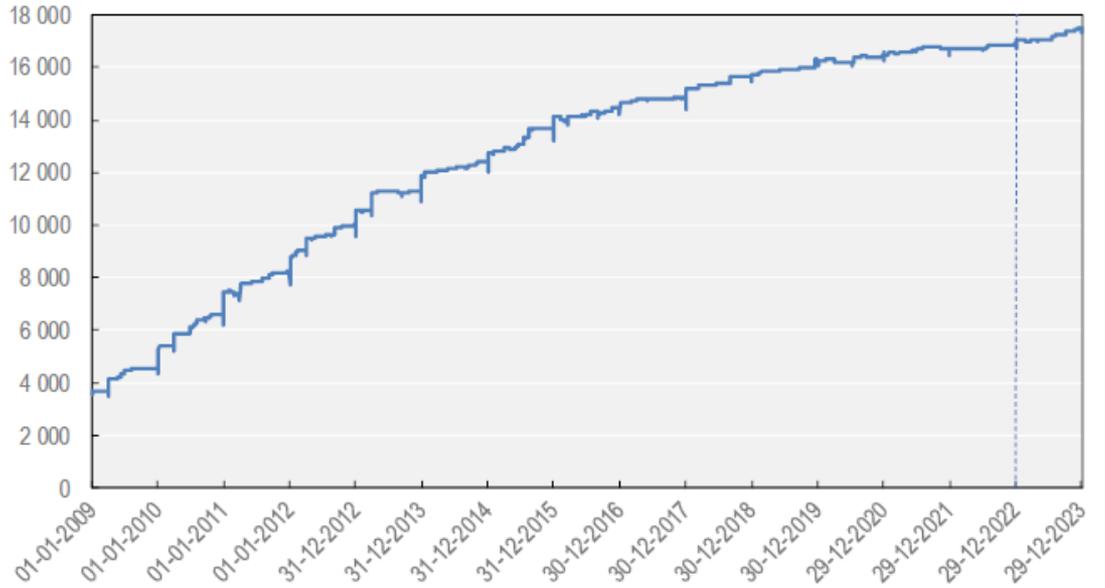
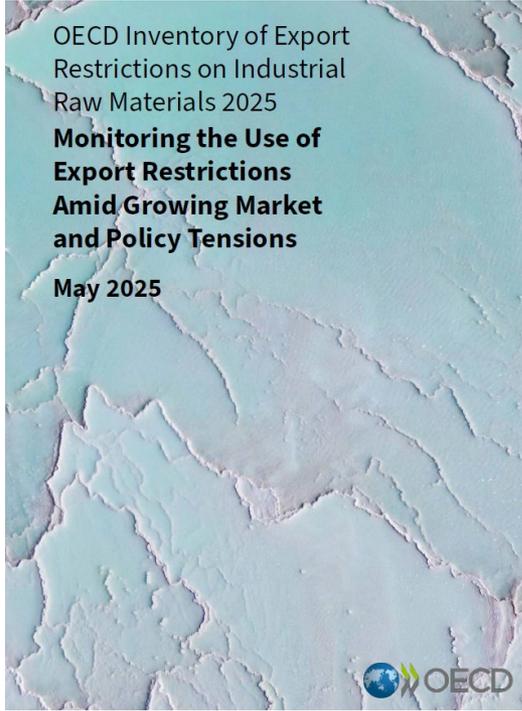


Yeni Enerji Güvenliği Mimarisi



Kritik Sinama ve Kırılganlıklar



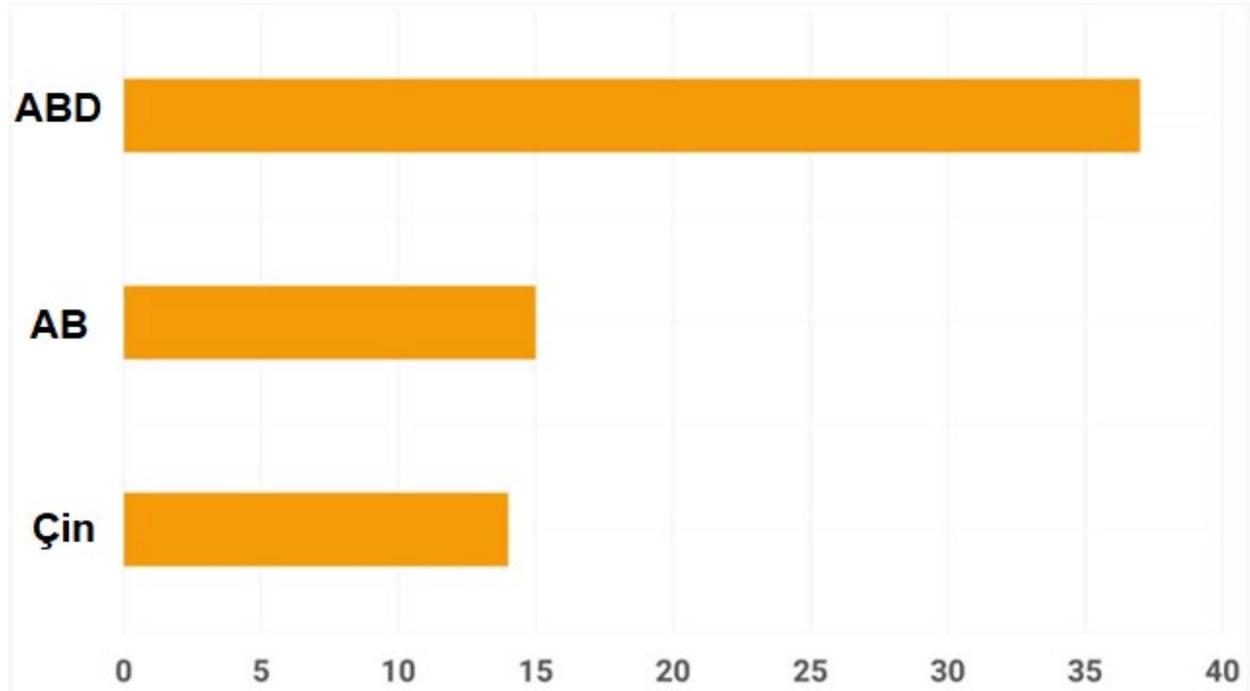


En az bir kere ihracat kısıtlama önlemine maruz kalan hammadde sayısı.

Kritik Ham Maddelerde İhracat Kısıtlamaları



(2020-2024)



ihracat kısıtlaması olarak sınıflandırılan müdahale sayısı

"REArm Europe"

European Commission @EU_Commission

"Europe is ready to assume its responsibilities.

ReArm Europe could mobilise close to €800 billion for a safe and resilient Europe.

This is a moment for Europe. And we are ready to step up."

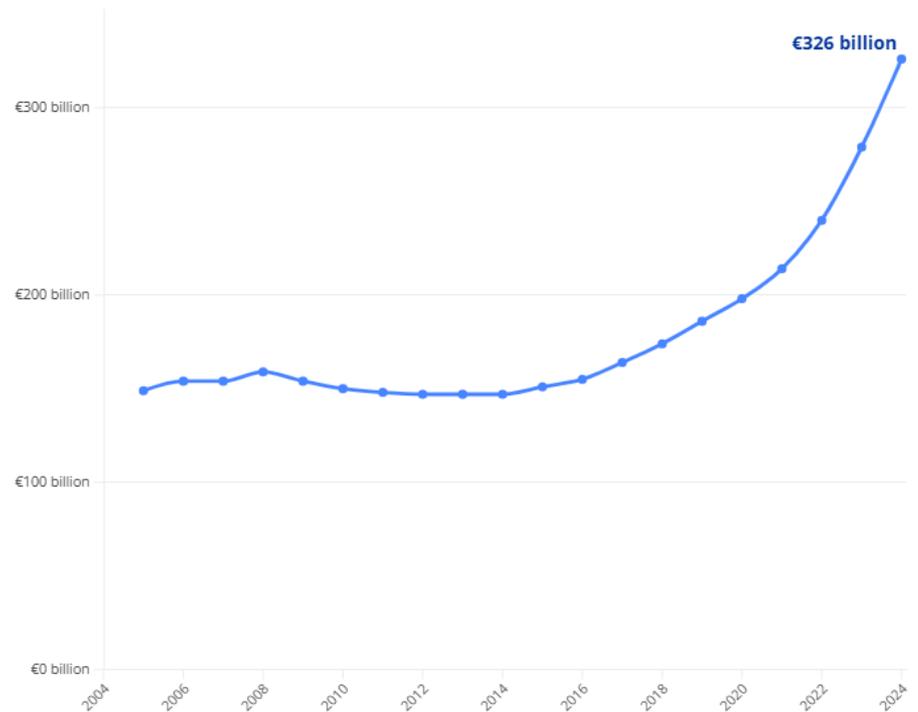
— President [@vonderleyen](#) on the defence package



0:02

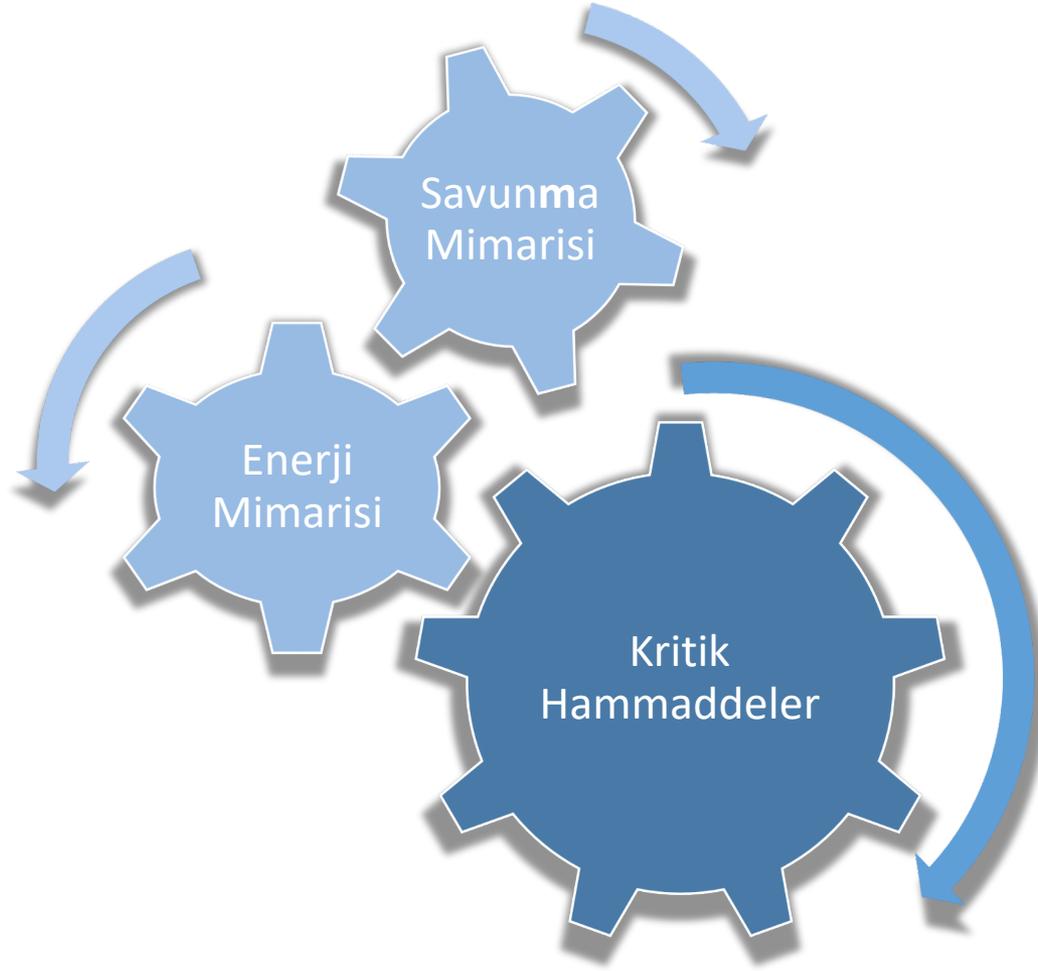
12:22 PM · Mar 4, 2025 · 2.9M Views

Defence expenditure (2005-2024)



Source: [European Defence Agency](#)

Özet Yerine



Teşekkürlerimle.

