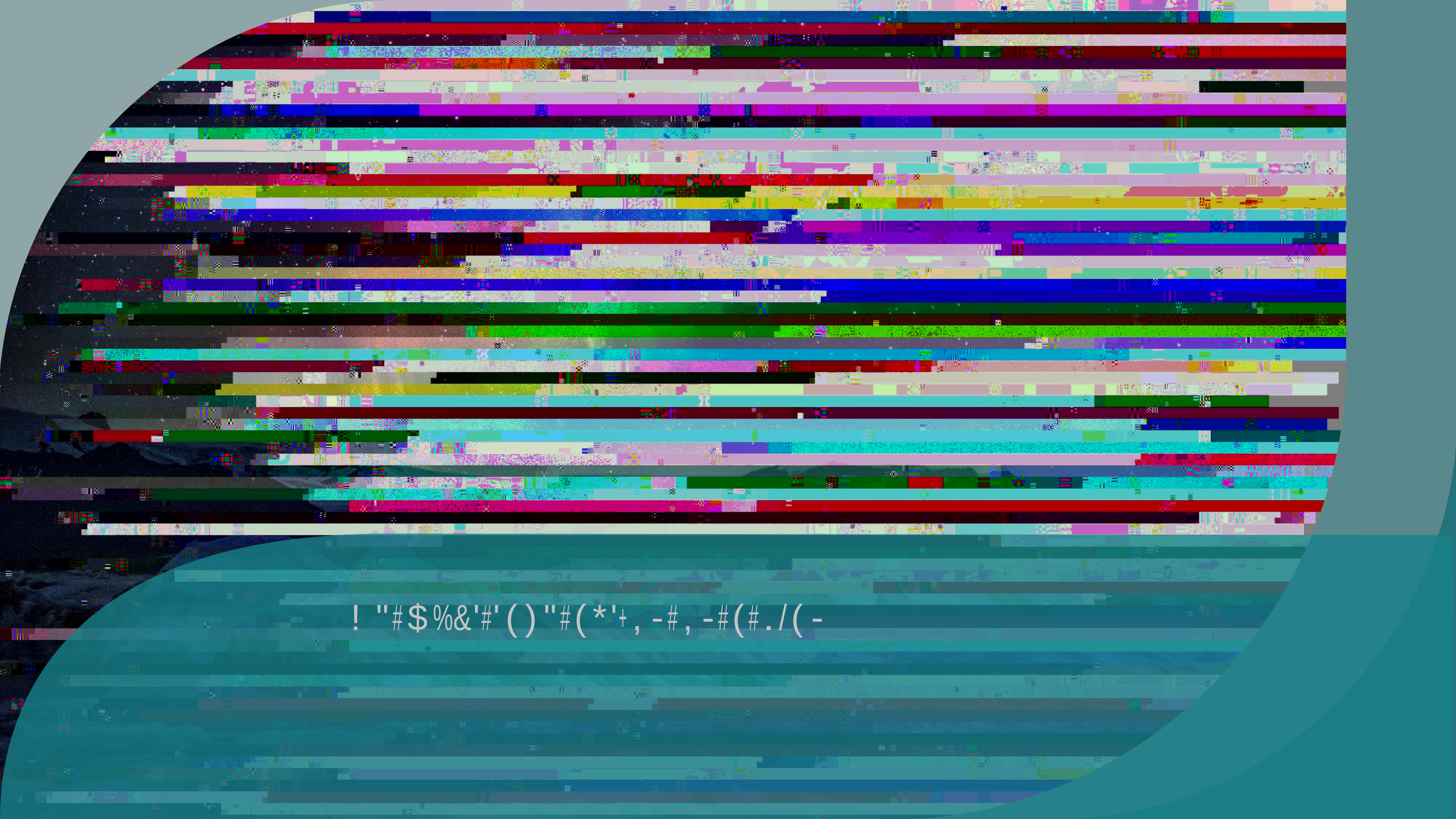

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Ten years ago:

HR 4402 – passed 256-160 in July, 2012

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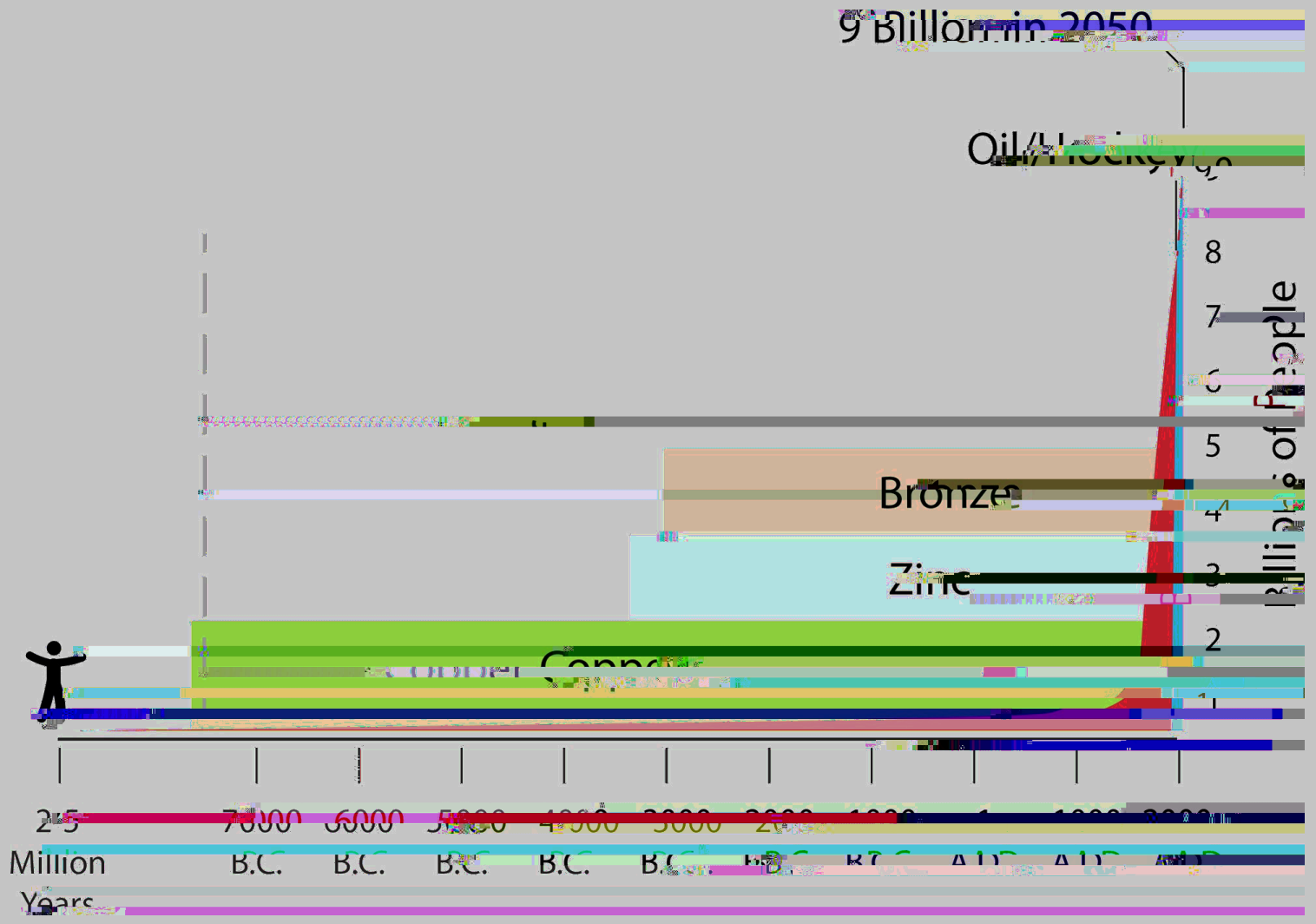
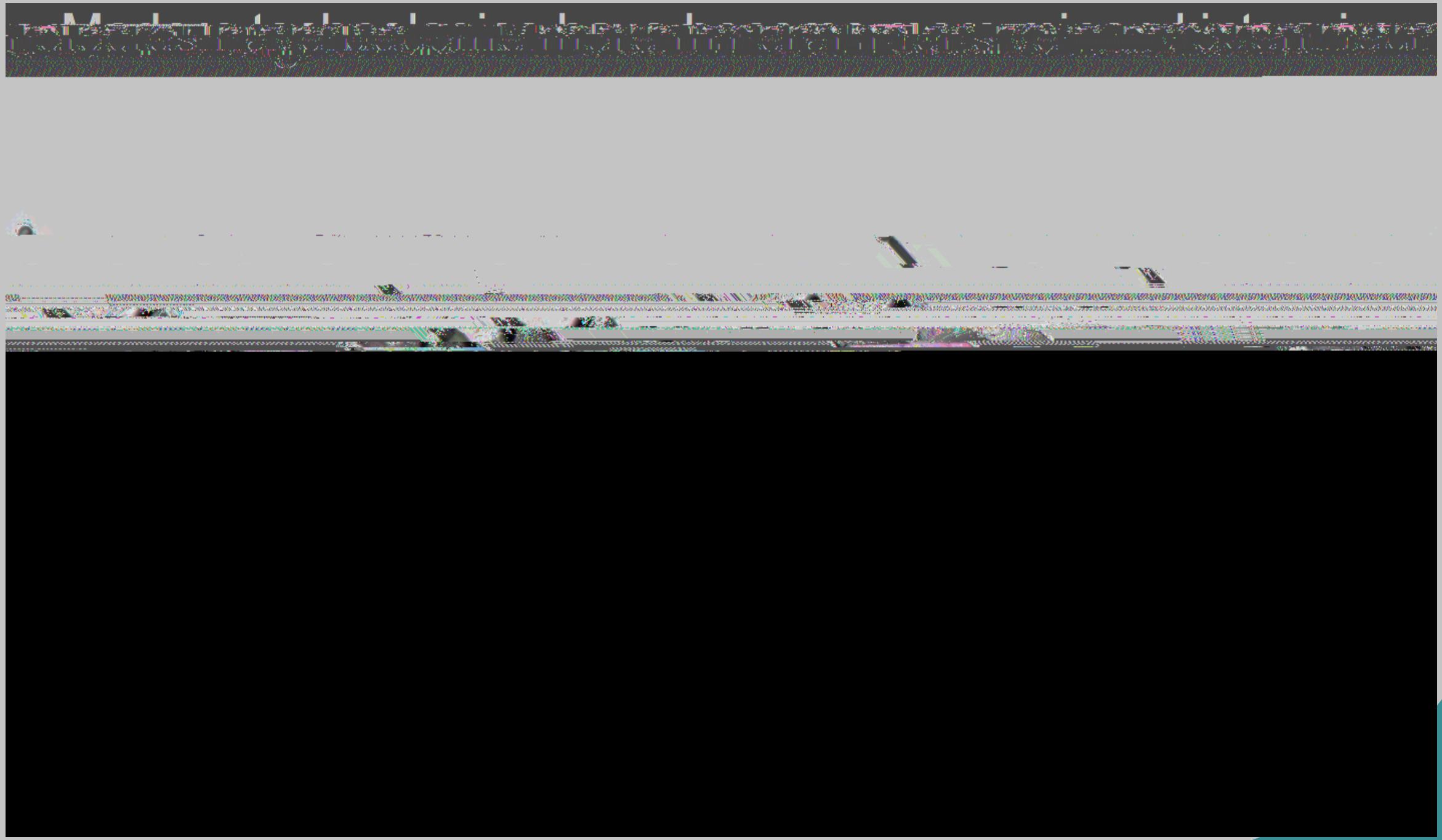
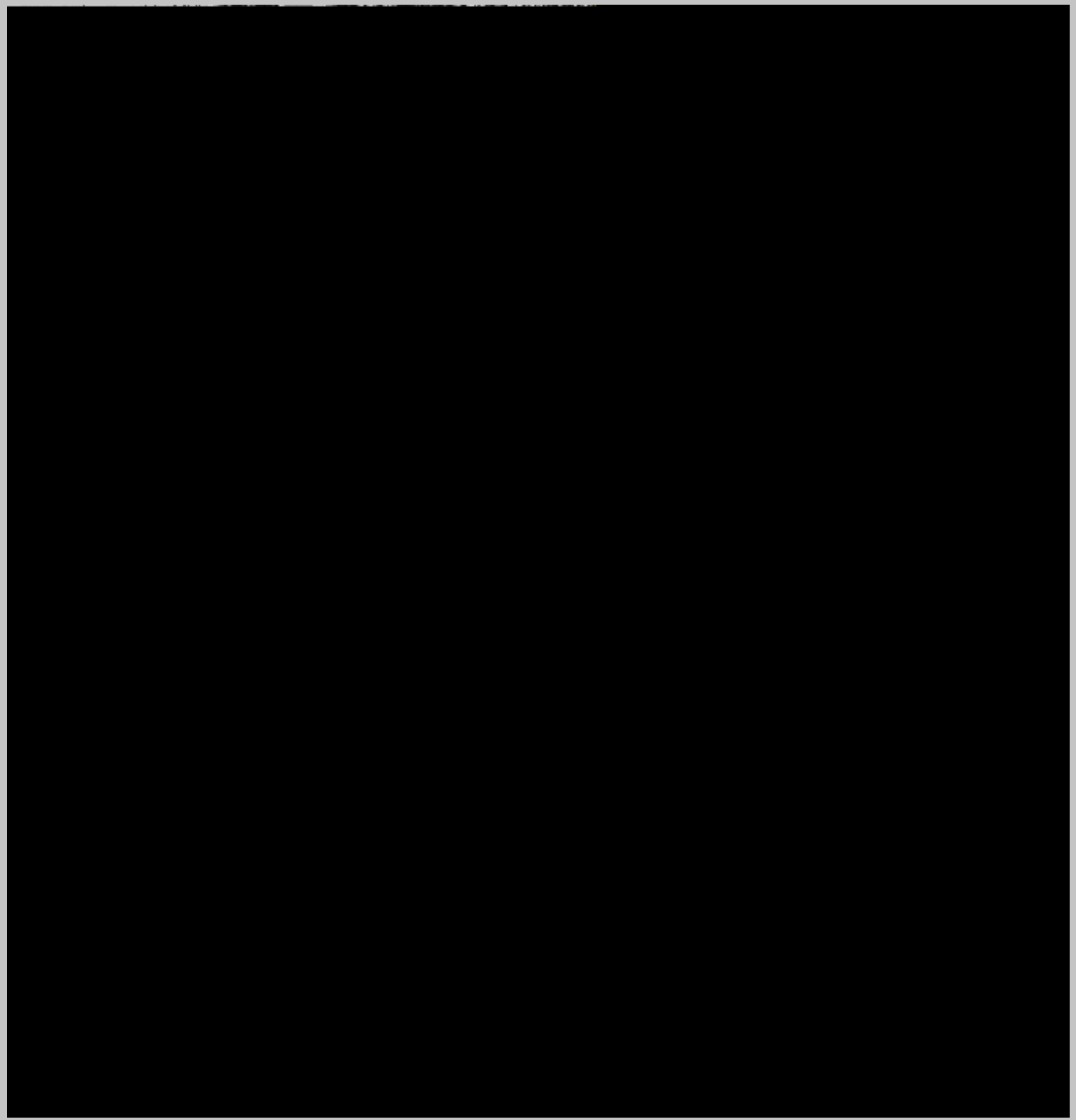

9 Billion in 2050
Oil/Hockey
Bronze
Zinc
Copper
Billions of People
8
7
6
5
4
3
2
1
2.5 Million Years
7000 B.C.
6000 B.C.
5000 B.C.
4000 B.C.
3000 B.C.
2000 B.C.
1000 B.C.
1 A.D.
1000 A.D.
2000 A.D.





Adding to the complications of development are metal cycles. Lynx cycles are as good as any Metal Price Predictor

LFLL
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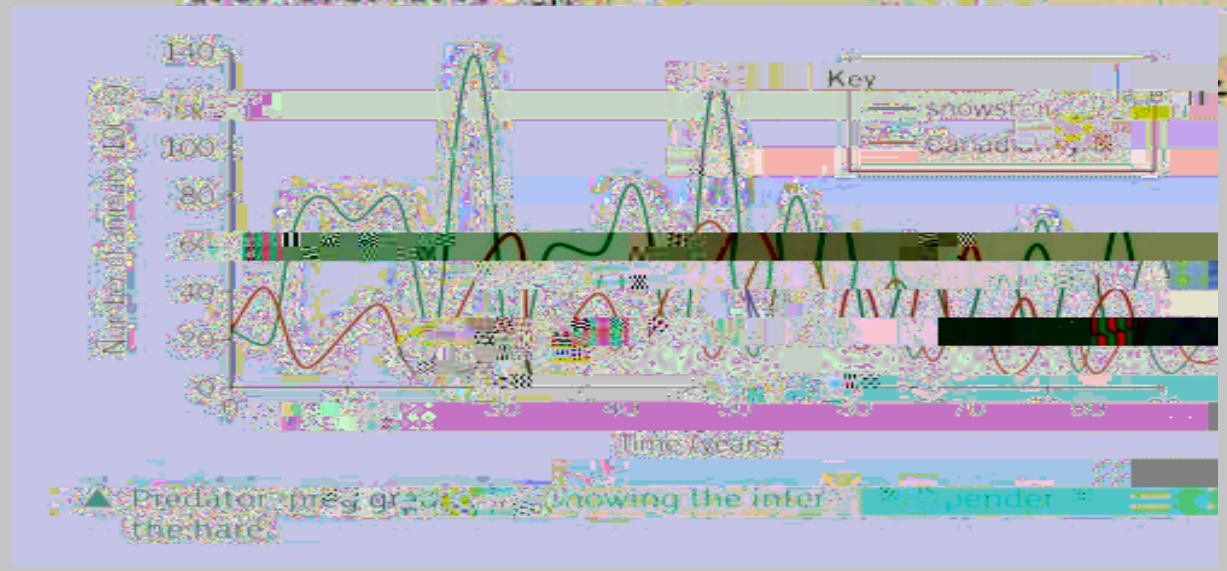
R/(B(NSPFFF



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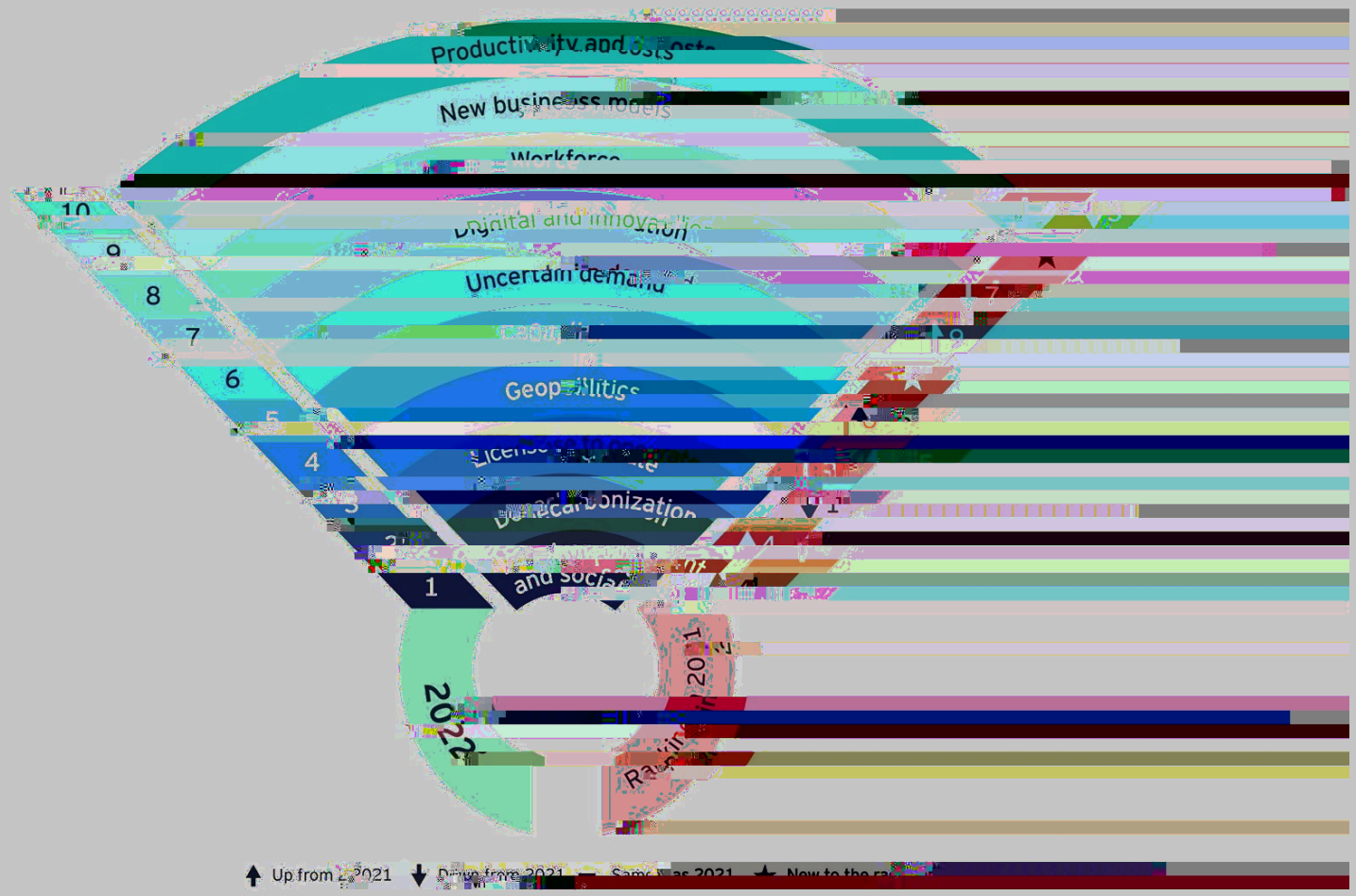
Productivity and costs
New business models
Workforce
Digital and innovation
Uncertain demand
Geopolitics
Decarbonization
and socia
10
9
8
7
6
4
3
1
2022
2021
Up from 2021
Down from 2021
Same as 2021
New to the ra