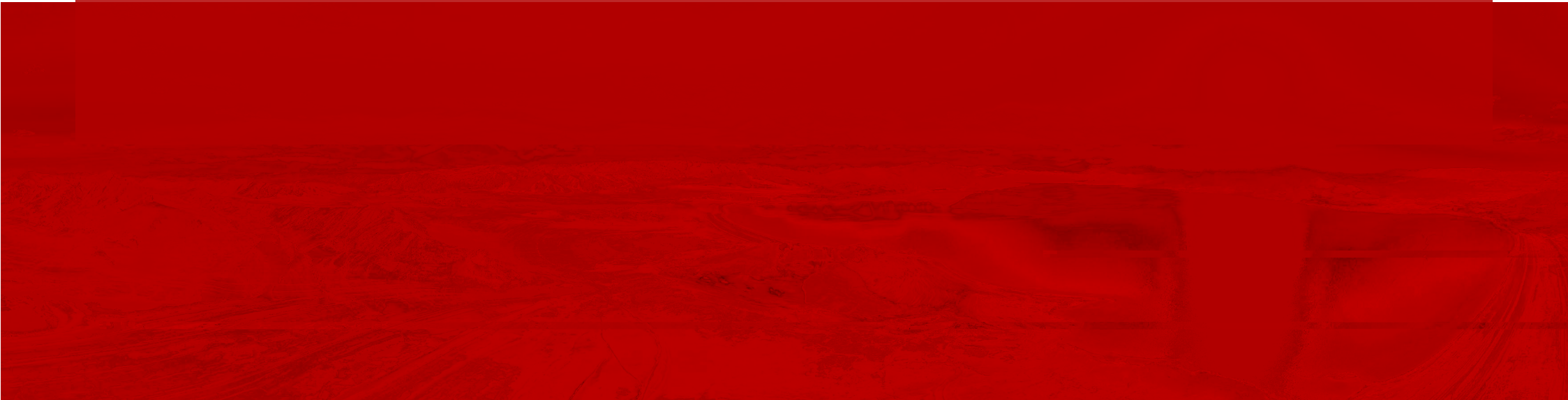
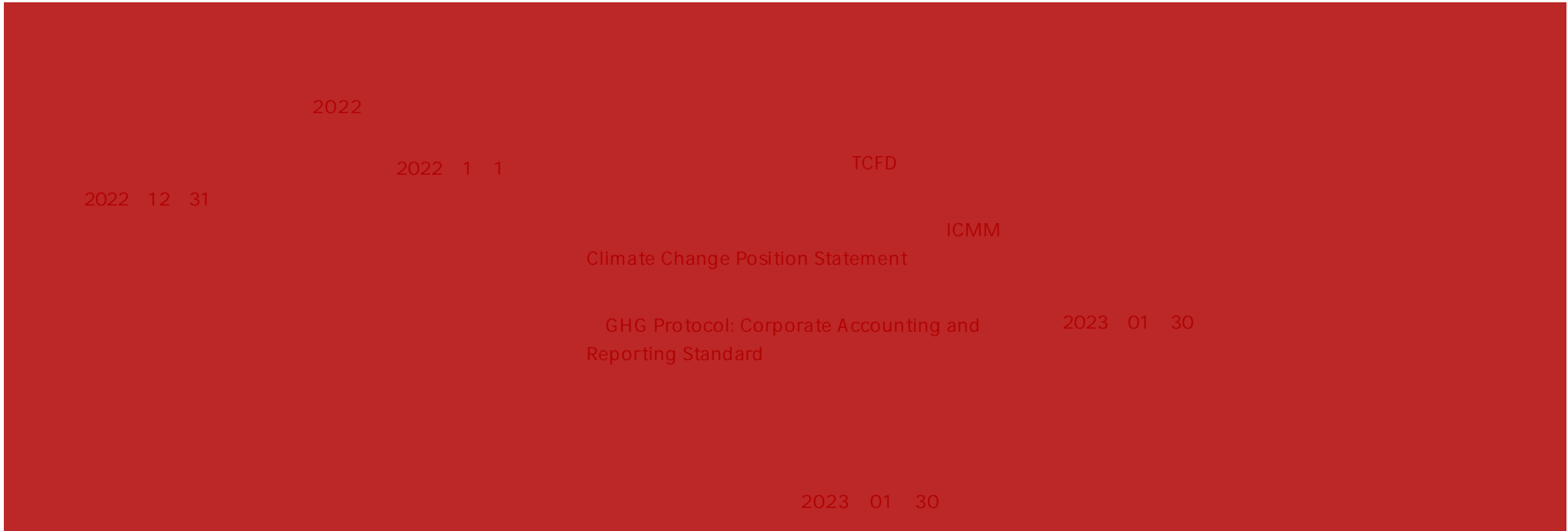


1	20	
2		2
3		
4		
5	25	
9		
10	35	
	36	A B TCFD

4	1	
11	2	
12	3	
13	4	
14	5	
16	6	
17	7	
18	8	
36	9	
4	1	
4	2	
5	3	
6	4	
8	5	
12	6	IPCC Pathways
16	7	IEA
26	8	
27	9	2022-2050
28	10	
28	11	

2010-2040
Shared Socioeconomic

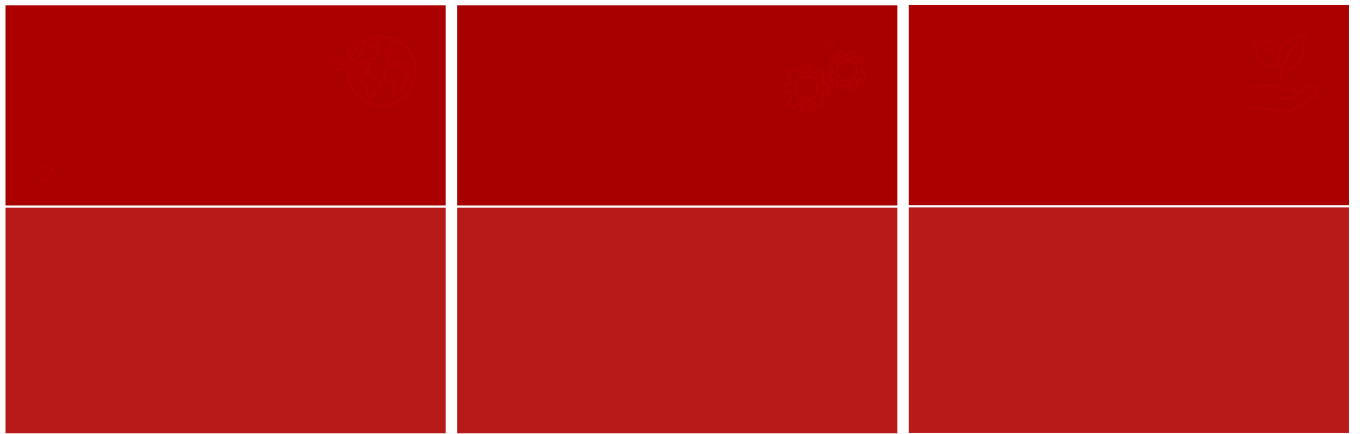
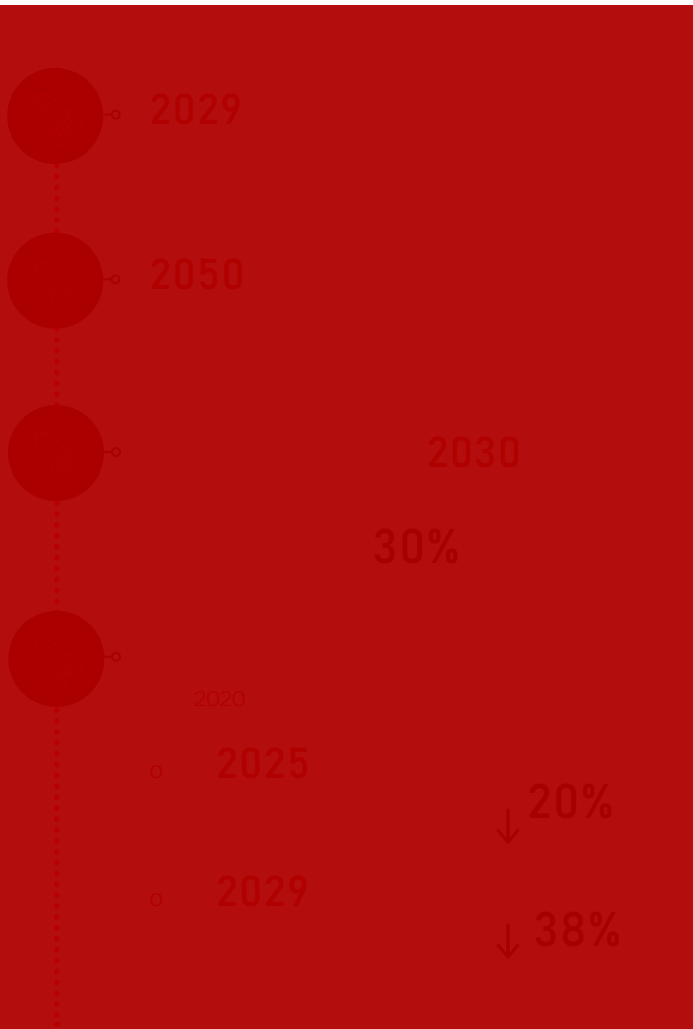




2030 2060
2021
1
" "
CCUS
2030
" "
2029 2050
2°C

" "
" "
2029 2050
" "
TCFD
2
" "

1.5°C





“ ”

2899

601899

1

1

17

14



()	1,715	2,251	2,721
()	65	157	200



7,238

2,978

1,108

1,45





2

2



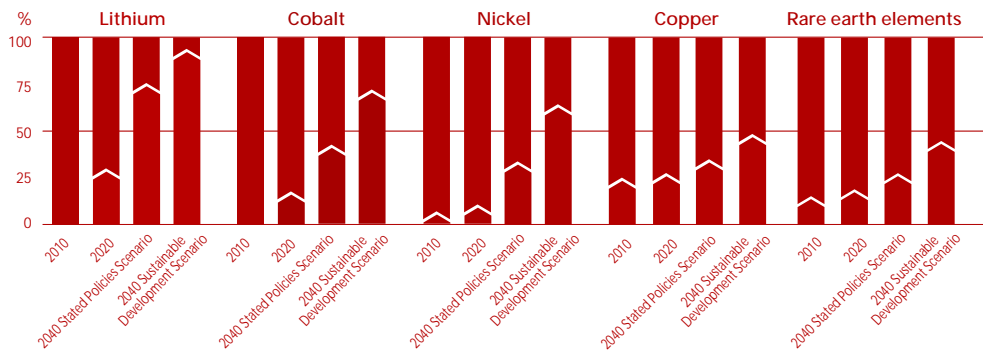
" IEA"
SDS

90%
60-70%
40%



3

2010-2040



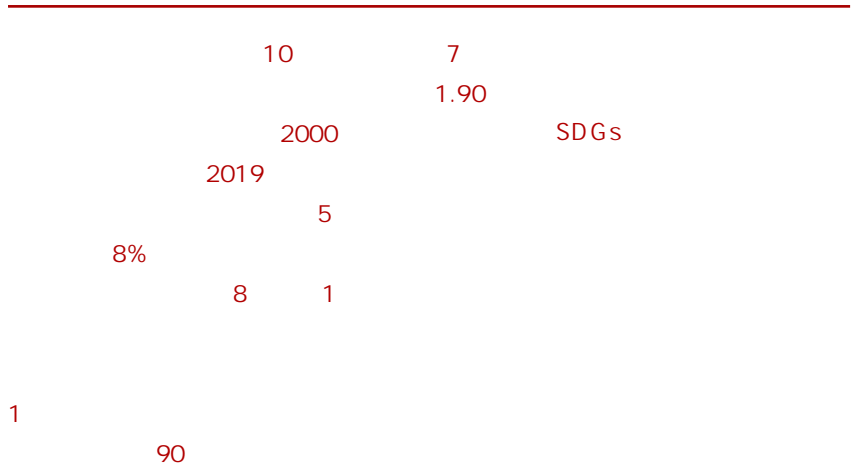


BP 2022
 2050
 2 GW 2019 15
 Markets and Markets 2027
 151 2022 2027
 27.9% Beyond Market Insights 20%
 2030 80%
 11088 2022 2030





RGMPs



SDGs



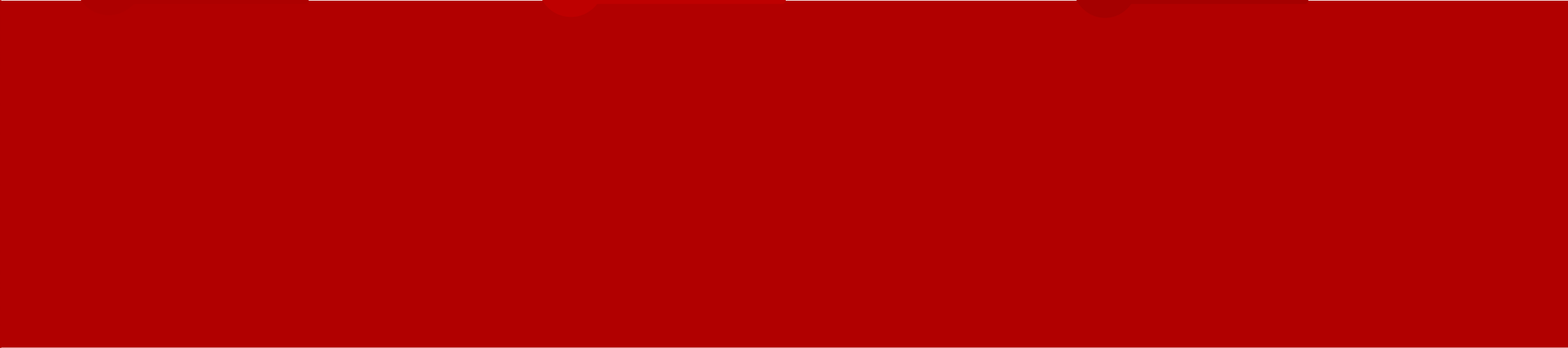


5



ESG
()



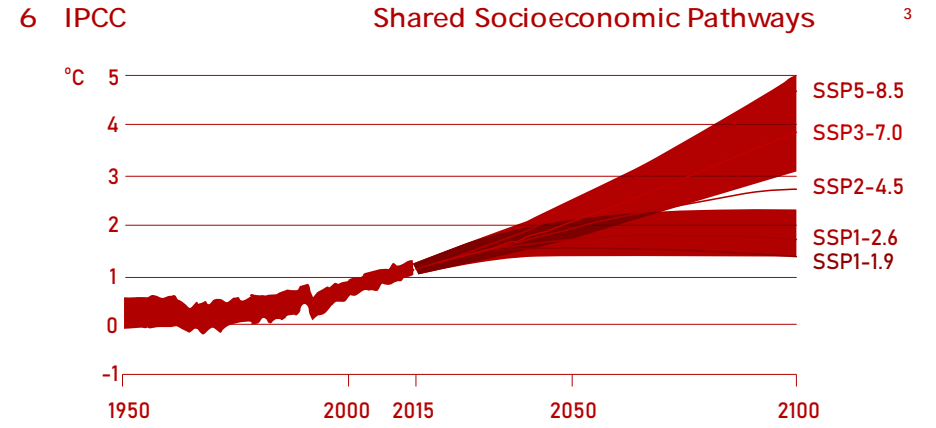


8 2

2

#

	*			



3



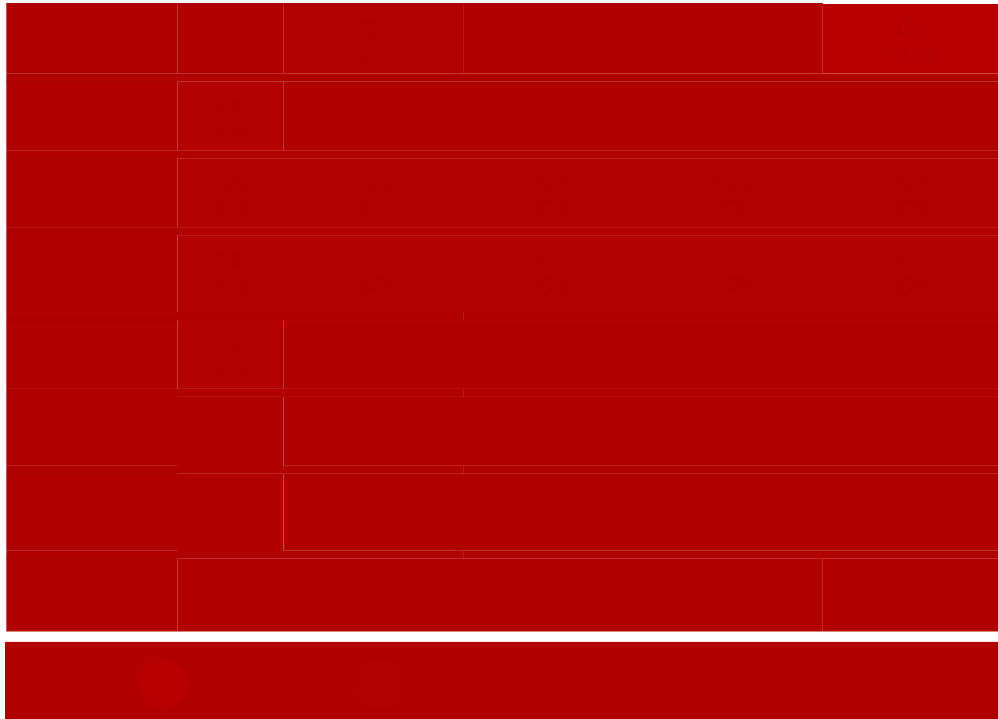
² IPCC 1988

³ IPCC (2021) Figure SPM.8a.

2.6 SSP5-8.5 () SSP1-
2050 2030

4 5 *

	2030		2050	
	SSP1-2.6	SSP5-8.5	SSP1-2.6	SSP5-8.5



*

IEA

2030

SDS

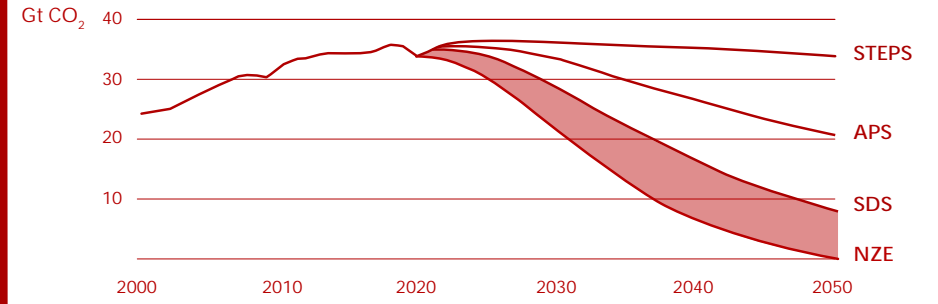
2050

6

STEPS

7 IEA

4



6

	NGFS				
	2021 IEA STEPS 2030 65 /	IEA WEO			
	NGFS SDS STEPS 2040				IEA IEA
	WEO 2021 2020 2030				IEA

8

()

/

	NGFS 2030				
WEO 2021	IEA				
2	IEA 2030				
IEA WEO 2021					

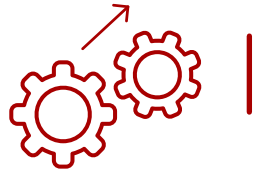






	3Q	1207	"	"	"
"					
(PCB)	(CCL)			100%	
2022 3	4.5-12 μm				





CCER
CCER
CCER

2022 2

2029

2050

" "

" "

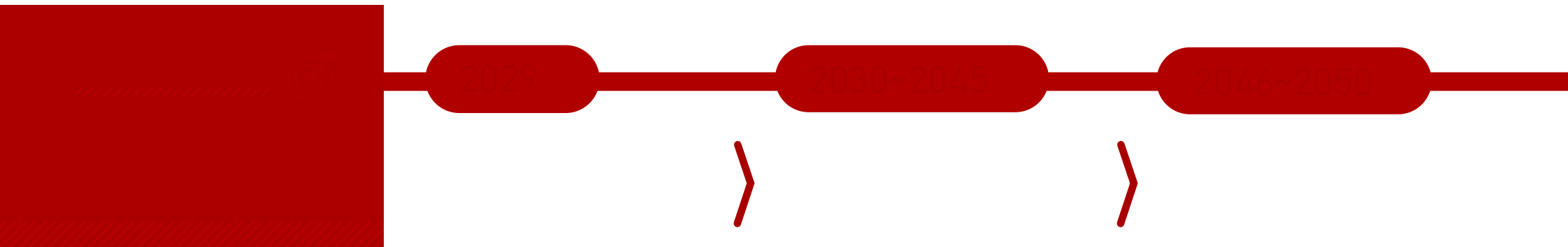
CCUS





2050

2029



2029

2050

IEA 2°C



2029

2030

2050

2030
30%

ESG



2020

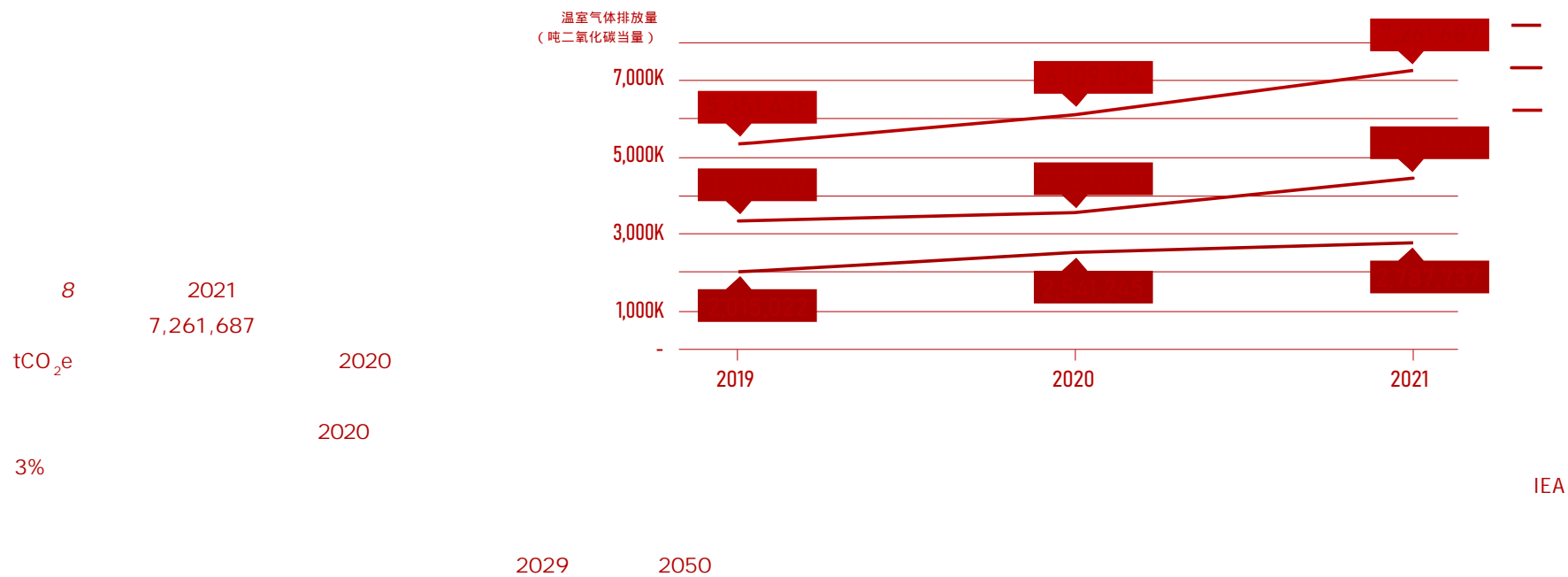
2025

2029

↓ 20%

↓ 38%

8



TCFD

2°C

IEA

2020

Stated Policies Scenario, Sustainable Development Scenario, Net Zero Emission

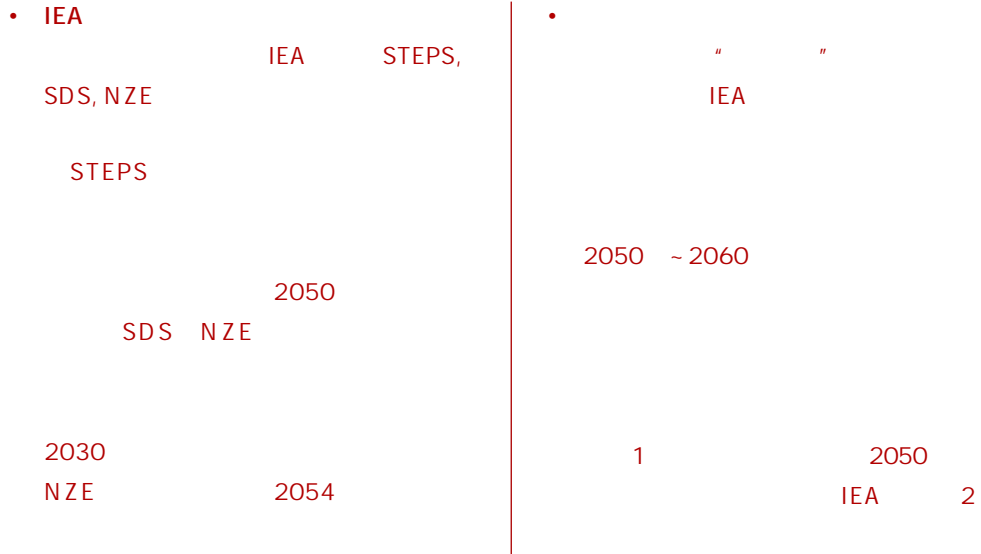
SDS

NZE

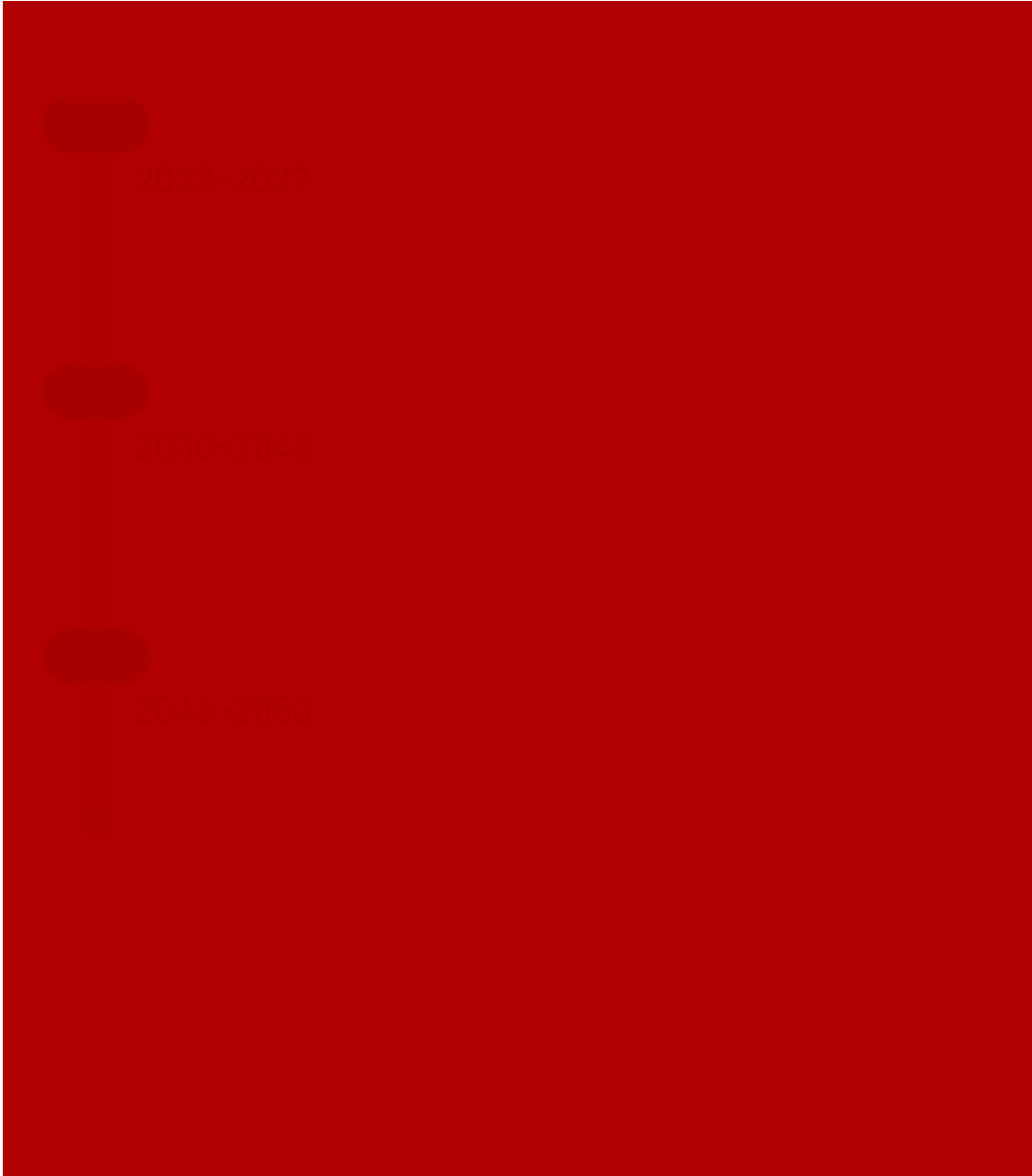
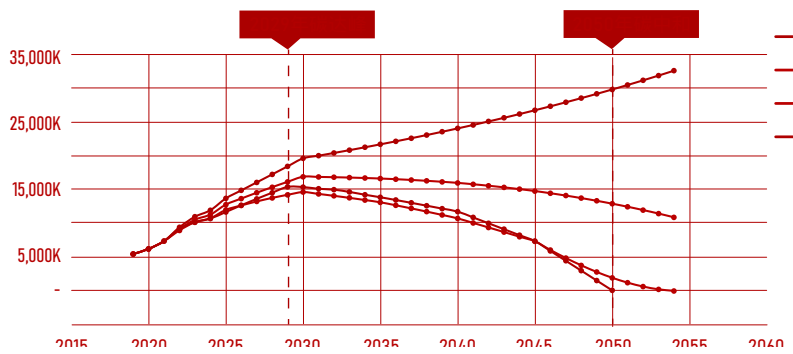
2020

21

20

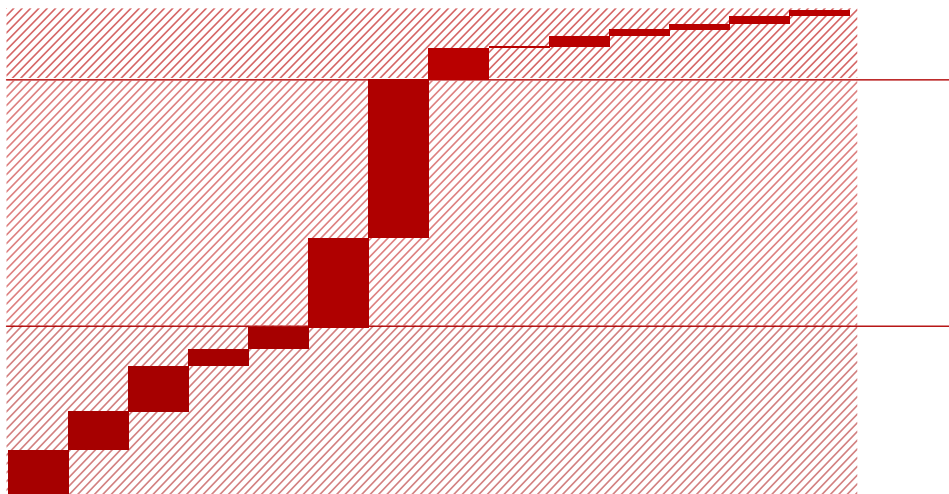


9 2022-2050

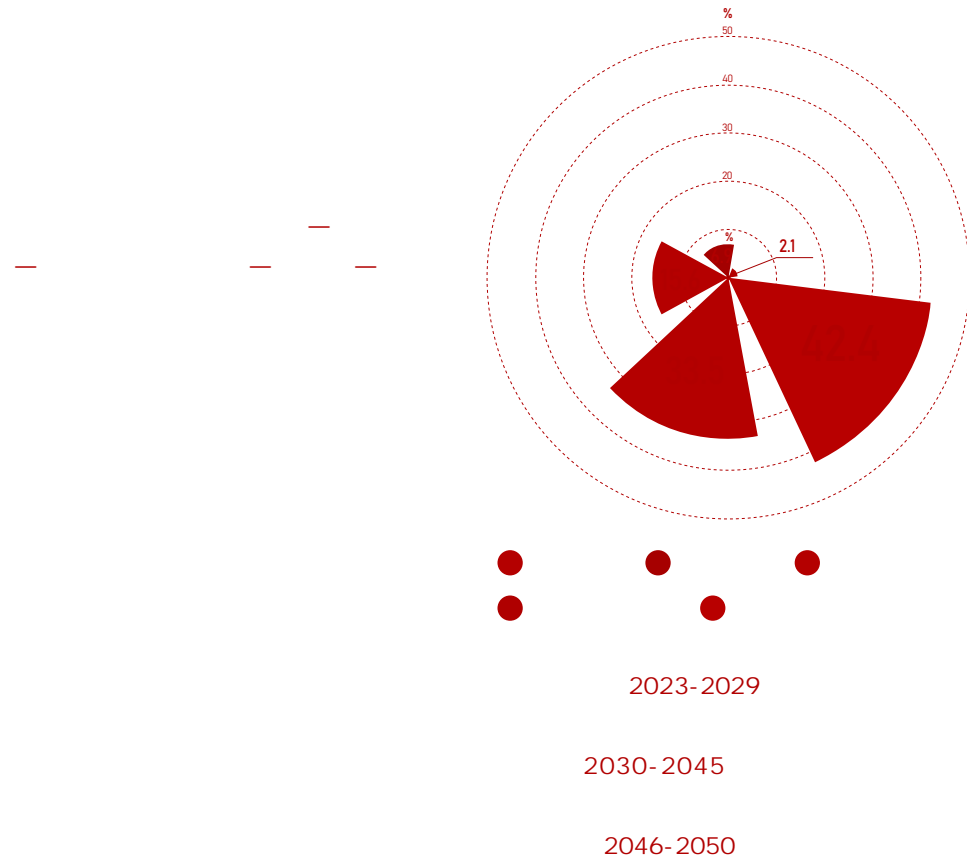




10



11





2020

EPC



88%









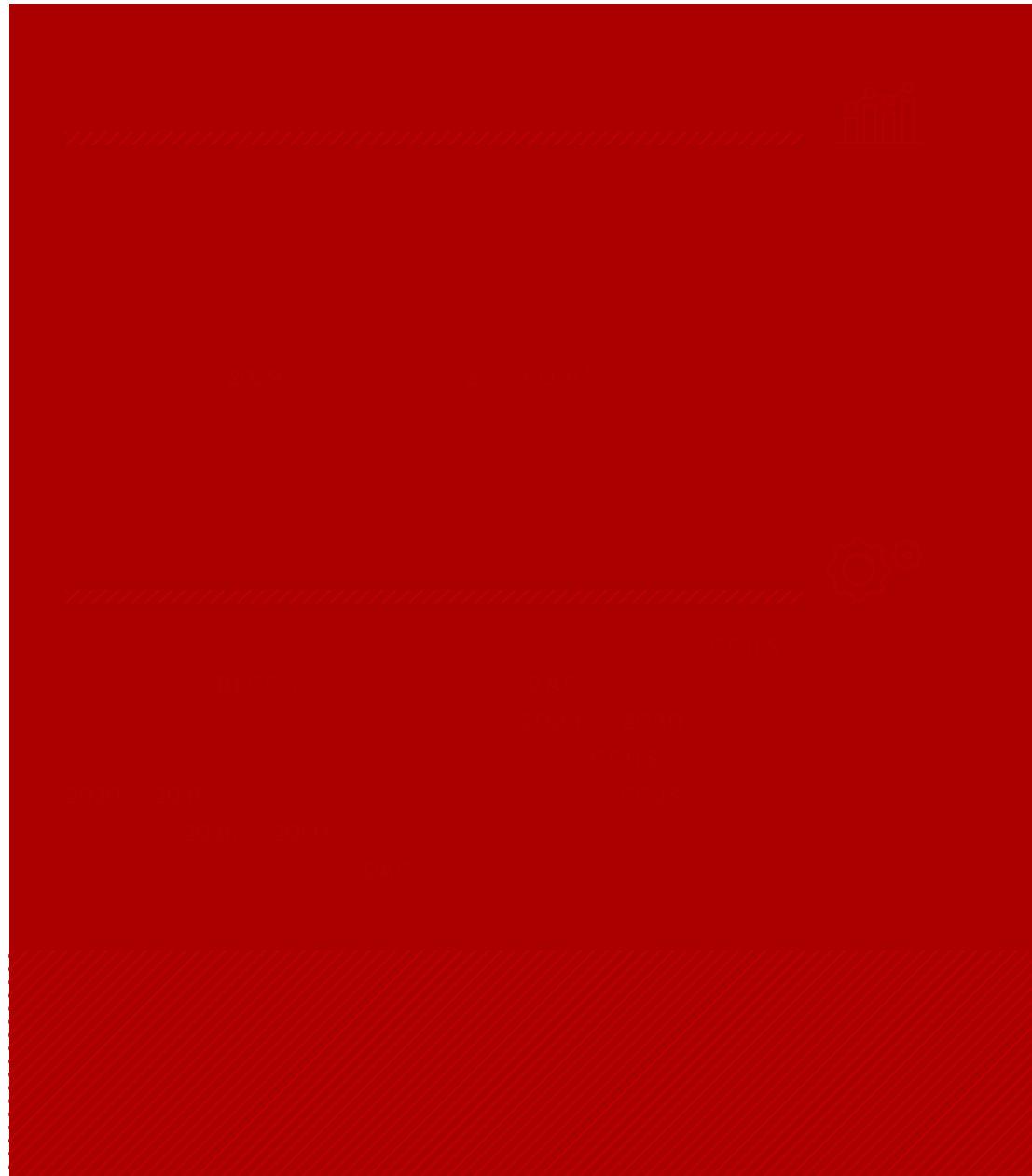


CCUS

DAC

" 0"

" "





A

9

ISO 14064-1:2018

GB/T 32150-2015



= + +
+ 2020

