

IPV6 教育科研新担当





" "	03
	03
" 2021 IPv6 "	04
" "	04

	05
2021-2023	05
	05
	06
	06
	06
	06
	07

	08
	08
18 IPv6	09
" " IPv6	09
	10
	10

GÉANT 800G	11
2Africa	11
	11
6GHz Wi-Fi 5G	11



9 22

" "



" "

IPv6

edu.cn





2021 10 11 -12

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" 2021

IPv6

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IPv6

" IPv6

" " IPv6

" " IPv6

"

IPv6"

"

IPv6

IPv6

IPv6

IPv6

22.87%

IPv6

2021 8

IPv6

5.51

54.52%

IPv6

20Tbps

LTE

IPv6

10Tbps

22.87%

IPv6

100

IPv6

IPv6



10 11

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IPv6

"

IPv6

IPv6

IETF

ISOC



1



10 8

"

"

2020

5G

"

"

3

5G

2021 9 16

46.67%

6



1970

G.654E

-

G.654E

1900

G.654E

G.654E

400Gb/s

WDM

G.652D

G.654E



7

22

2025

10%

"

"

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"

"

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"





" 2021	IPv6	"	100	" IPv6
	"		100	IPv6
			18	
		CERNET	" IPv6	"
CERNET		"	IPv6	"
"		"		13

IPv6



" 2021	IPv6	— — IPv6	"	
				IPv6



2021 2

(2021-2025) 7

2021 8

" "



	1	2
3		1
2	3	
1	2	3
	1	2
3		





GÉANT

800G

GÉANT

GÉANT

NREN

30%

GÉANT

7PB

GÉANT_____

Telecom Egypt CMI Facebook MTN GlobalConnect Orange stc
 2Africa Vodafone WIOCC 2Africa 2Africa
 2Africa PEARLS
 2Africa 45,000

C114_____

66%

(49%)

" " " " " "
 wifi 21%
 14%

/ 12%

/ 16%

Jisc_____

2021 6 17
 480MHz

2021 12 1

6GHz

Wi-Fi

(

5G

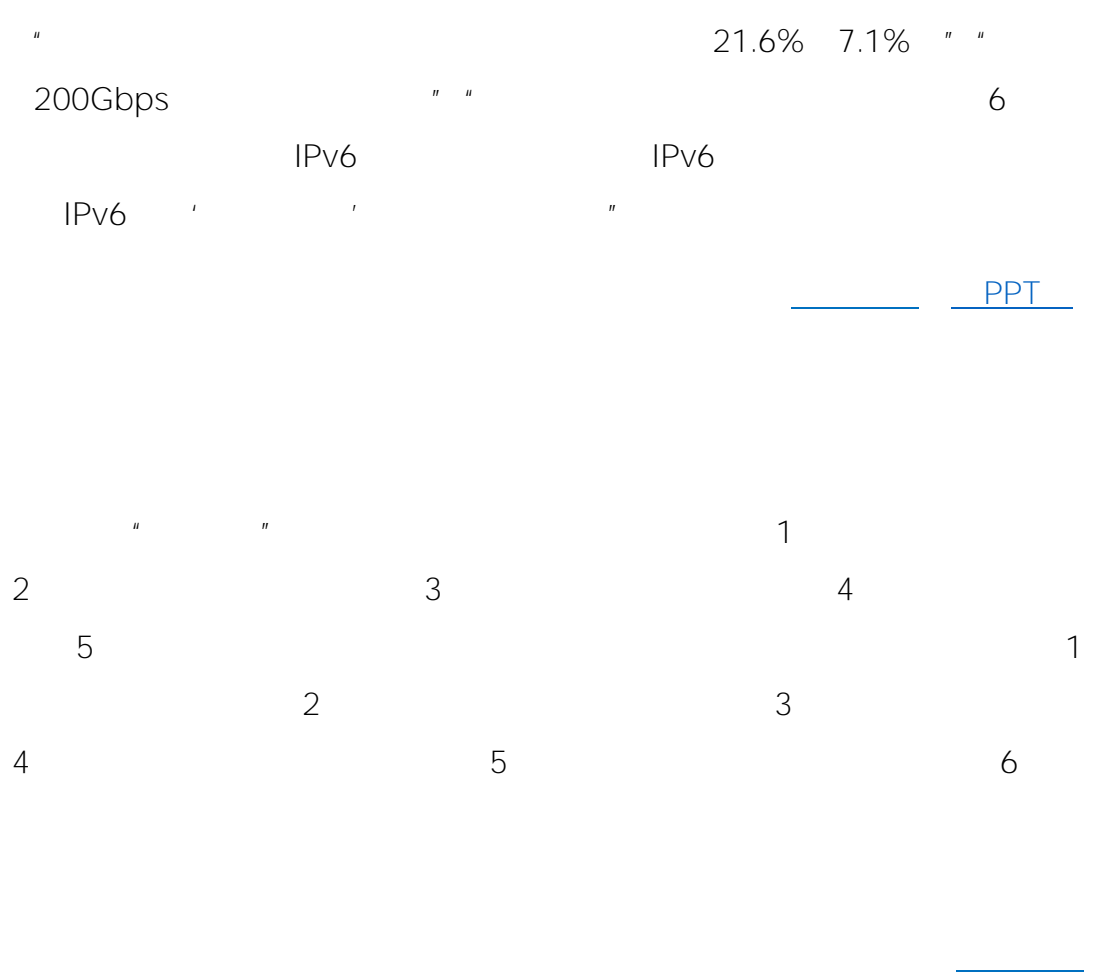
500MHz

Wi-Fi)

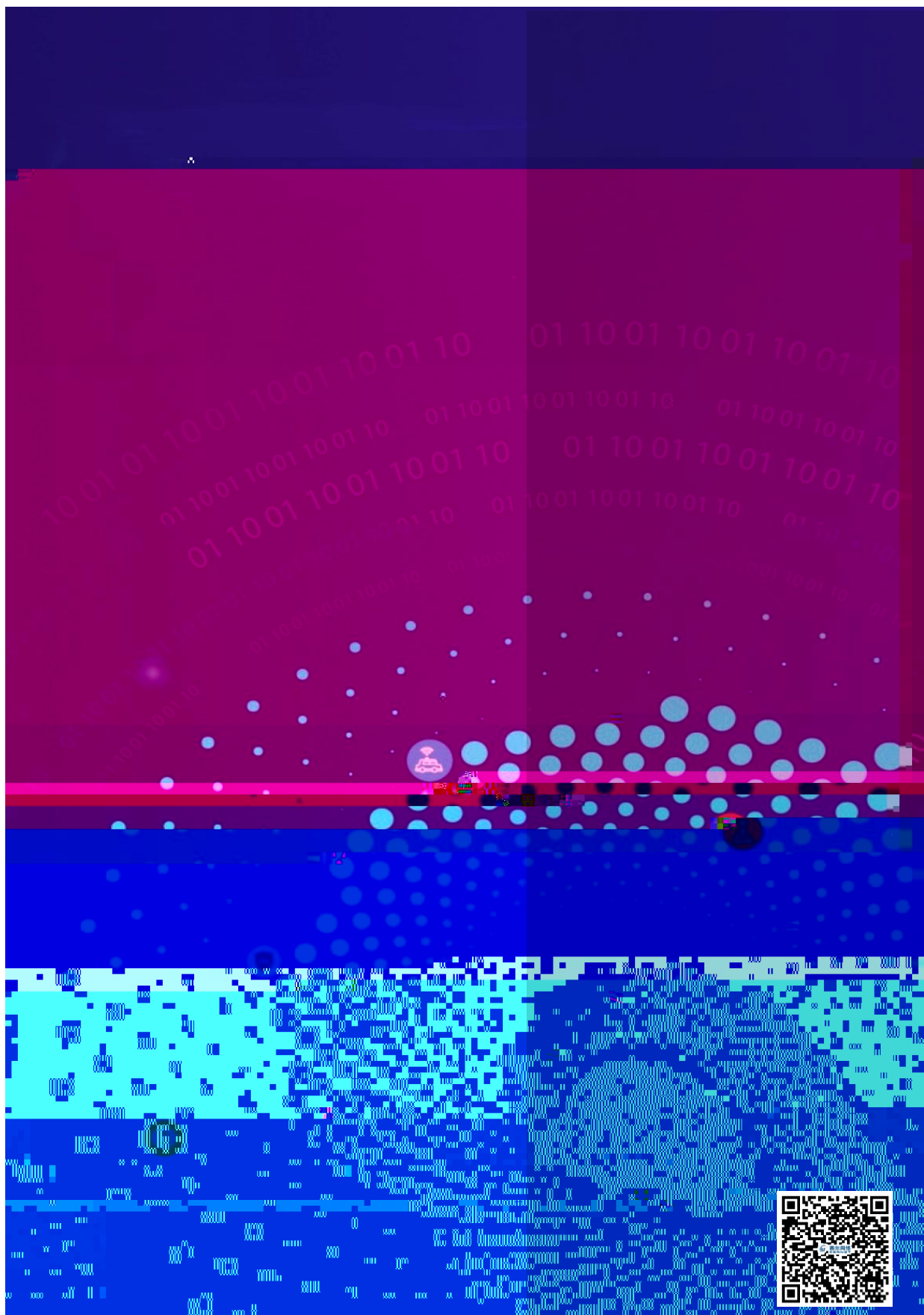
Wi-Fi

5G

Omdia_____



- _____
- _____
- _____
- _____
- _____
- _____



6260 3794

scgl@cernet.com

