



- -

..... 1

... 2

..... 3

... 5

..... 6

..... 7

..... 8

..... 8

..... 10

2020 9 14 18

3

78

4

81

159

264

73

78

32

81

12

010-82109494

E - mail : chenlijuan@caas.cn

2020 11 12







1

7 29

3

6

3
()

100

5000



5

8 6

6

" "

10

9 1

1956

1981

2014



“ ”



935



2000

2015 6
2020 6

1

2

2020 27

3

1 8 1 50 56 320

4

p



2019

40

2020

1

p

Ú p

2019 12

2020 12⁰

60

2020 11 17

2540

(

2020

)0" m'





9 18
40
100

2019 4 78
2019 38 40

1000

— —





10

20





2015—2030

2020

100

c





GPS





2228

10

665

7

2015

27

1

2 3

500 1000

1 2

2

800

1 2

3

500 800

1 2

4

010- 82109494 13683272938 E-mail : chenlijuan@caas. cn

QQ 415807682

chen-lj 71

010- 62125519 E-mail : pucha@caas. cn

