

2019 2025

2019 55

2017

250

2018 71

2019 2025

2019 6 20

2019 2025

" "

" "

1.

1999

4

106

20

282

5 600

35

--

2

1843

180

50

120

1.

3

2025

— —

“

”

/

— —

--

--

--

1.

2

--

--

--

3

— —

“

”

— —

— —

1.

2

	ILTER
GTOS	GEMS
FLUXNET	Atlas
GEO	GOOS

1.

2

3

4