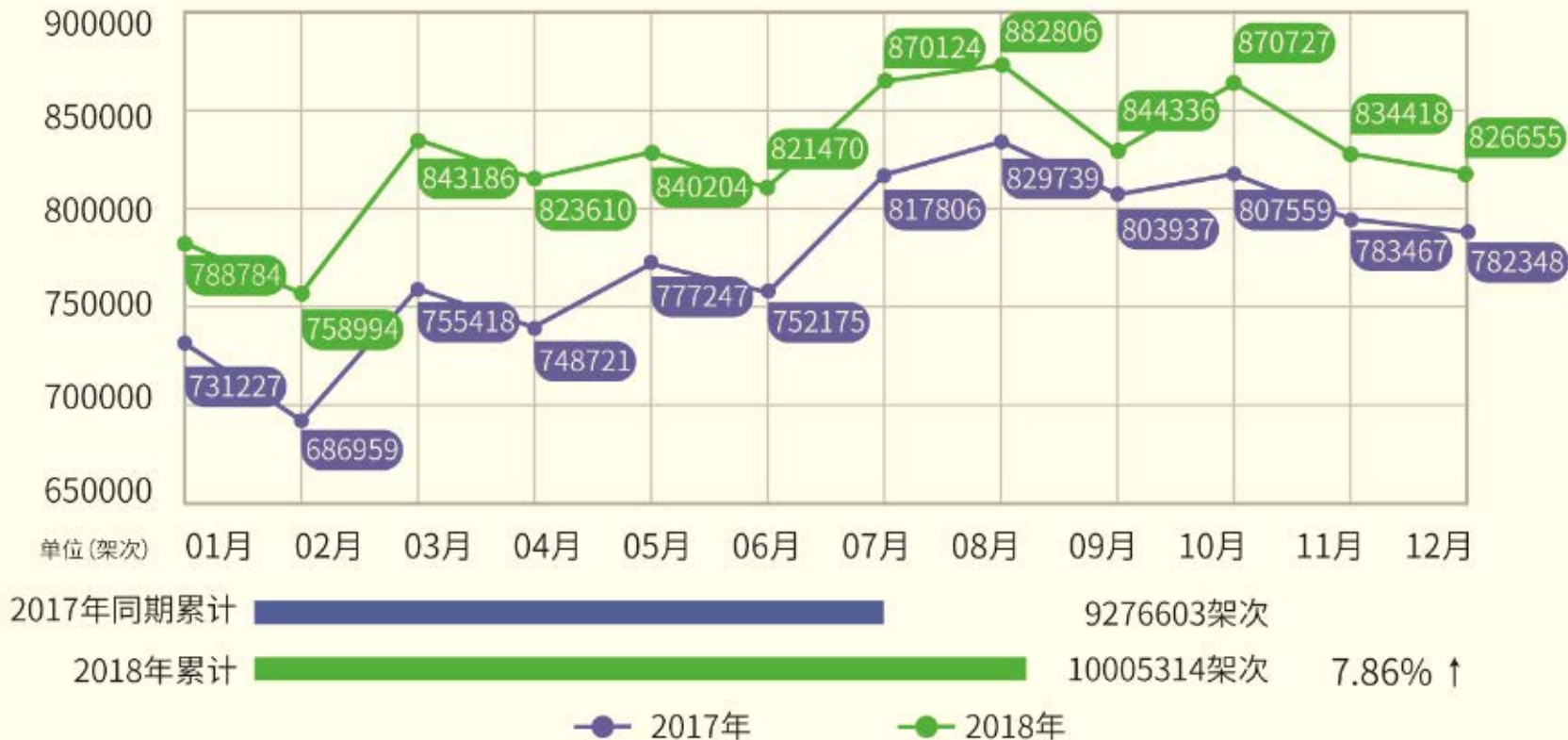




General Traffic Data

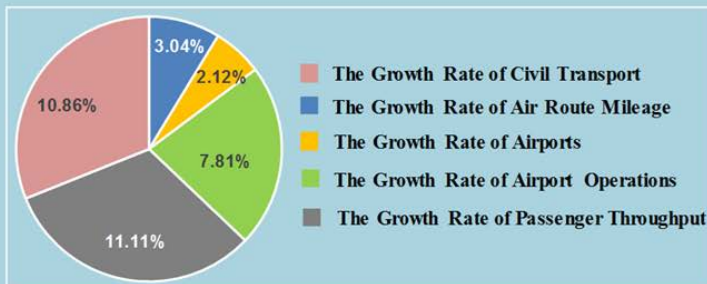
22-24 May 2019

Take-off and Landing Flights



Overview of Chinese civil aviation airspace in 2018

Waypoints	Average Daily Traffic	Hourly Peak Traffic
HFE	1532	102
LKO	1053	85
PAVTU	1049	92
TOL	980	60
OBLIK	940	78
ZHO	936	96
ESDOS	901	81
WXI	865	85
MAKNO	857	65
LLC	833	73



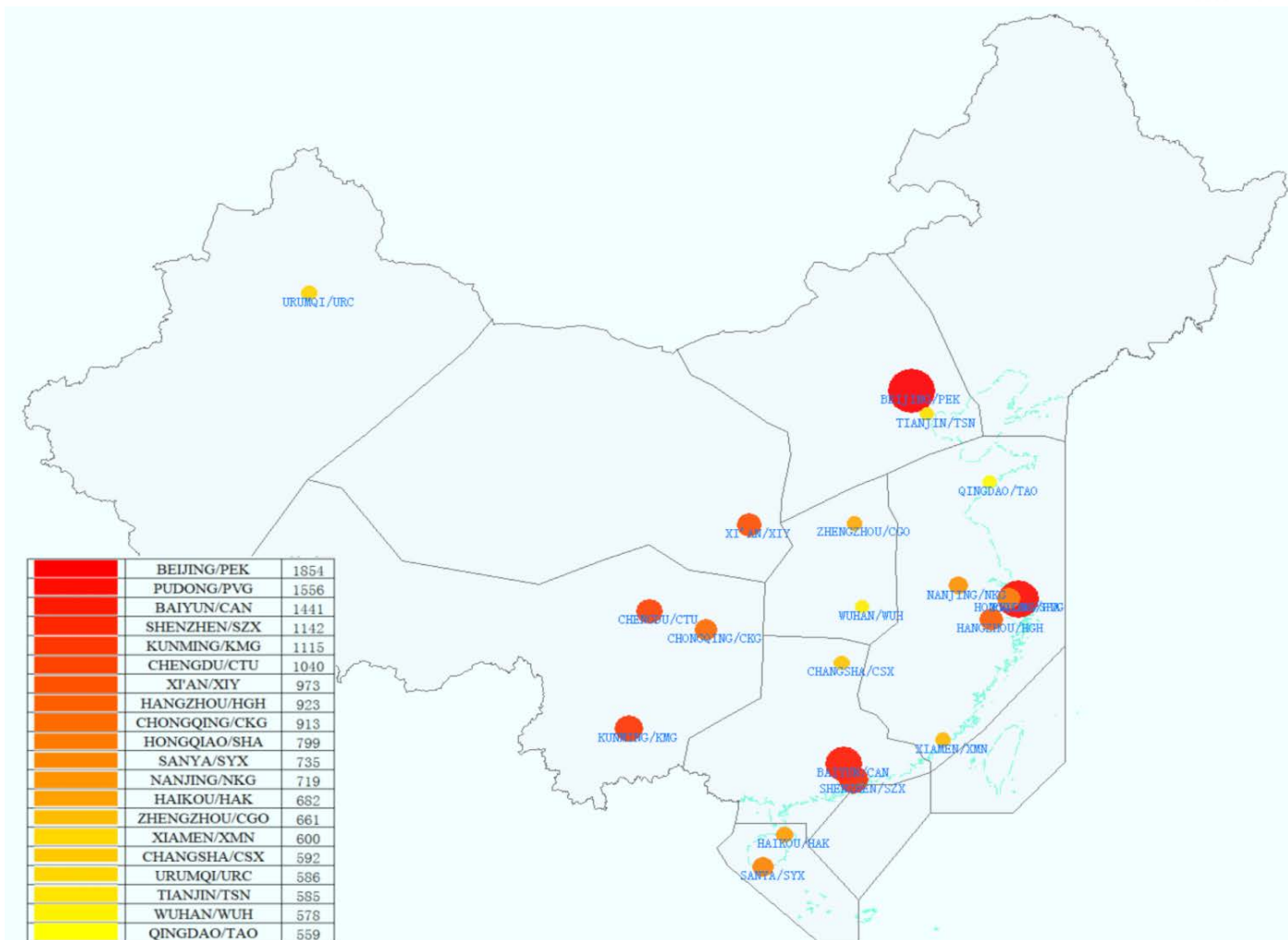
Air Route segments	Average Daily Traffic	Hourly Peak Traffic
R343-HFE-MADUK	1134	92
A461-LKO-HOK	926	96
A461-OBLIK-ZHO	913	91
A461-VYK-OBLIK	905	144
A461-ESDOS-OBLIK	888	97
A461-HOK-ESDOS	792	88
A461-LUMKO-LKO	772	87
A599-TOL-CJ	722	83
A470-XLN-FQG	695	45
A461-IDULA-P385	679	97

Flight Information Regions (FIRs)	11
Total Area of FIRs (million sq km)	1081
Airports	241
Total Number of Airways and Air Routes	923
Total Mileage of Airways and Air Routes (km)	225234
Upper Control Areas	15
Lower Control Areas	28
Approach/Terminal Control Areas	42
Area Control Sectors	241
Approach/Terminal Control Sectors	137
Entry/Exit points	47
Average Non-Linear Coefficient of flight routes between city pairs	1.14

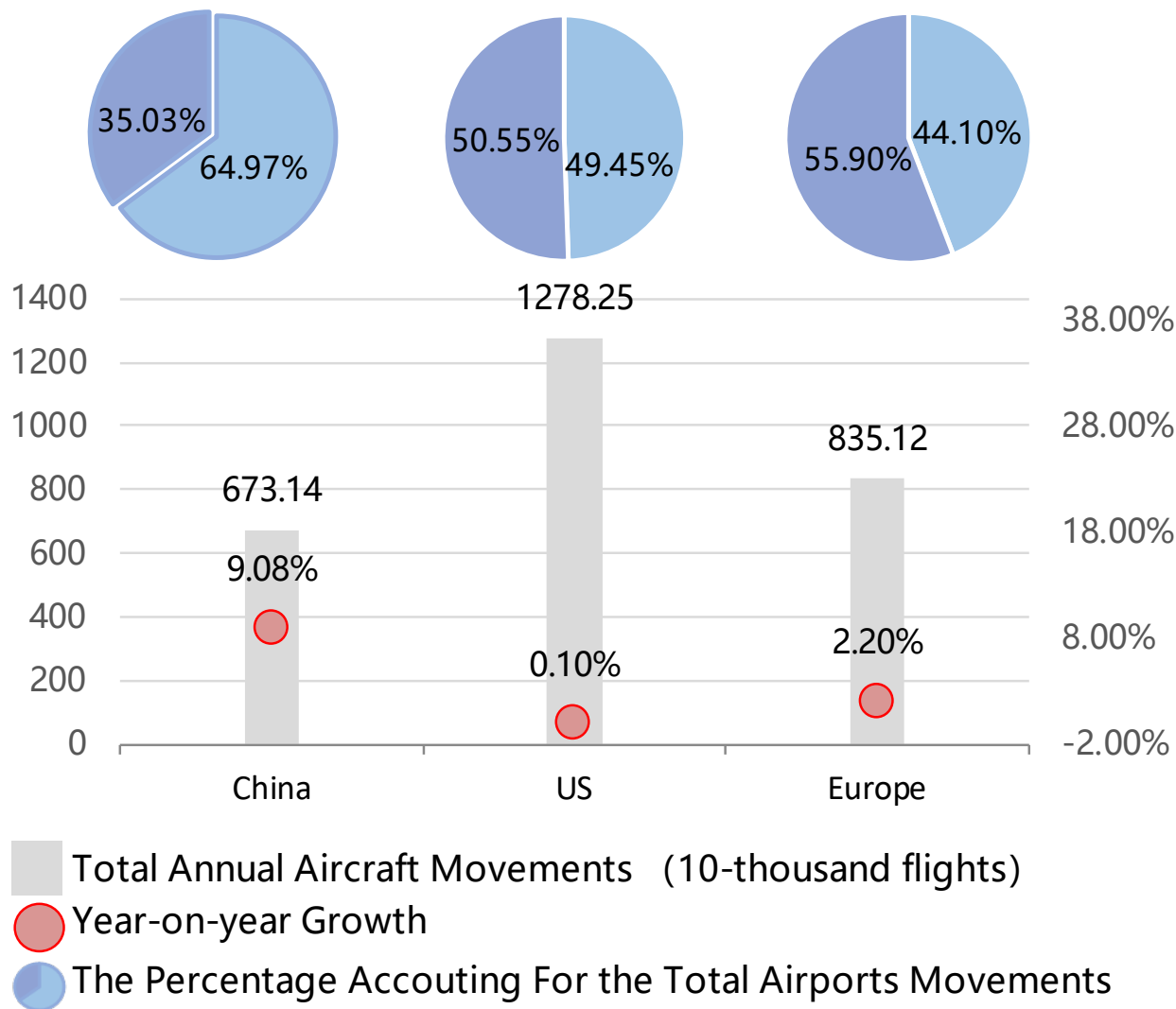
Area Control Sectors	Average Daily Traffic	Hourly Peak Traffic
BEIJING 06 sector	1021	100
SHANGHAI 01 sector	965	81
GUANGZHOU 07+26 sector	948	46
XIAMEN 02 sector	935	75
CHANGSHA 02+03 sector	919	47
GUANGZHOU 02 sector	897	68
BEIJING 04 sector	892	74
GUANGZHOU 20 sector	879	40
CHENGDU 23 sector	872	70
GUANGZHOU 05 sector	863	69

Airport	Annual Operations	Annual Growth
BEIJING/PEK	612074	2.46%
PUDONG/PVG	504221	1.60%
BAIYUN/CAN	477343	2.74%
KUNMING/KMG	360919	2.99%
SHENZHEN/SZX	355208	4.49%
CHENGDU/CTU	351798	4.40%
XI'AN/XIY	329331	3.46%
CHONGQING/CKG	306390	6.31%
HANGZHOU/HGH	284290	4.92%
HONGQIAO/SHA	266711	1.15%

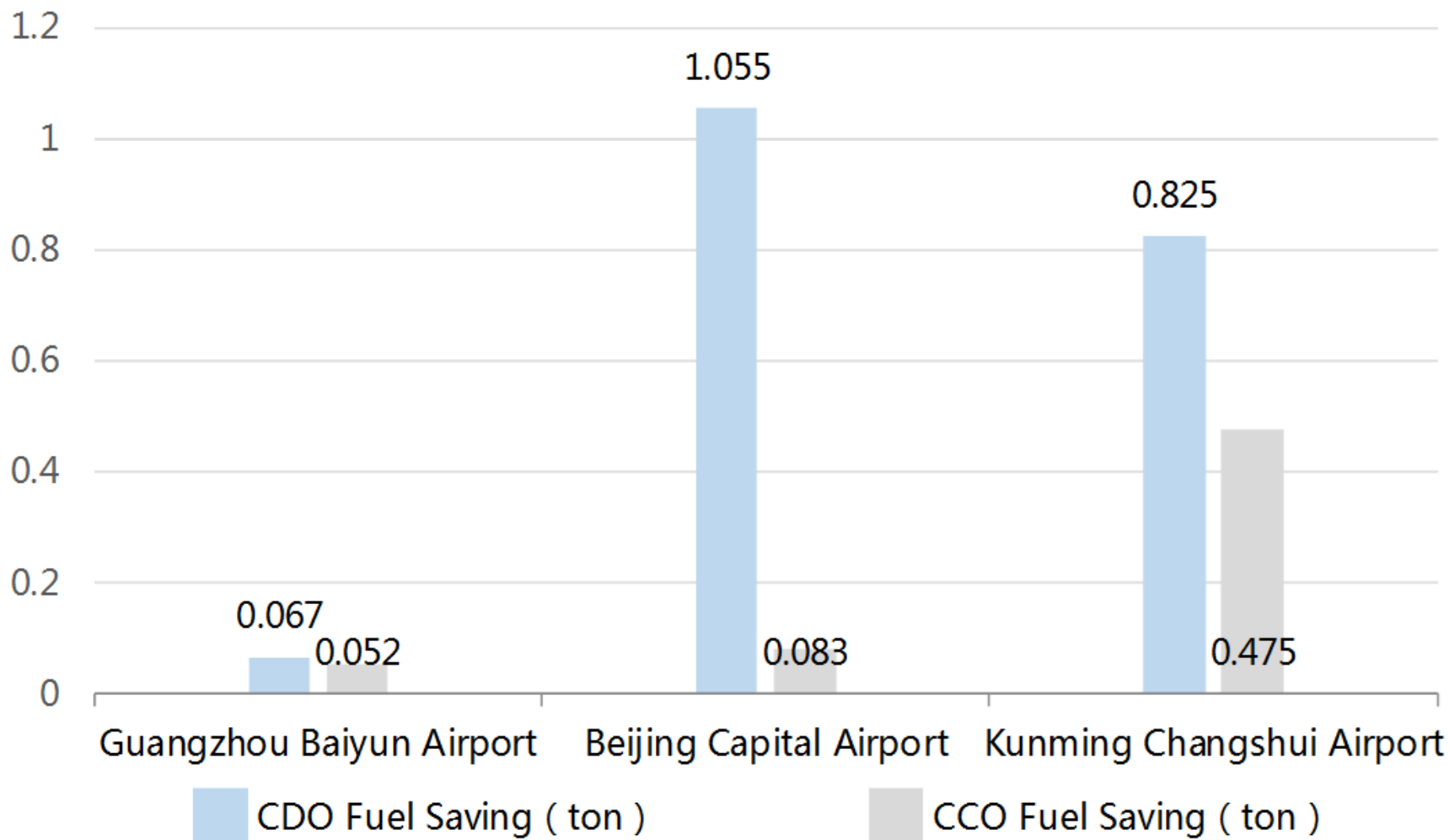
Top 20 airports (Daily peak operations) in 2018



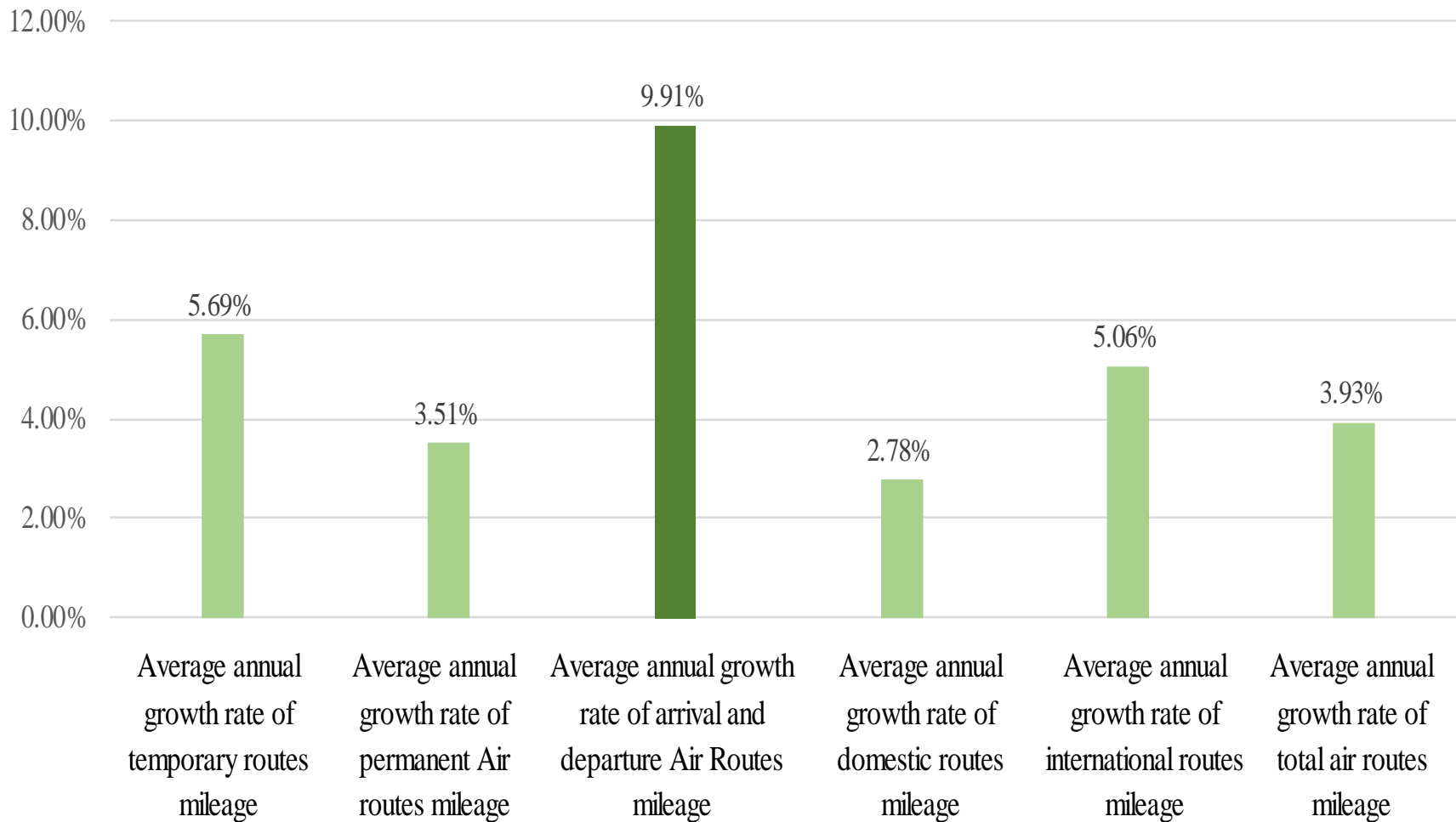
Annual operations of top 30 airports in China, US and Europe in 2017



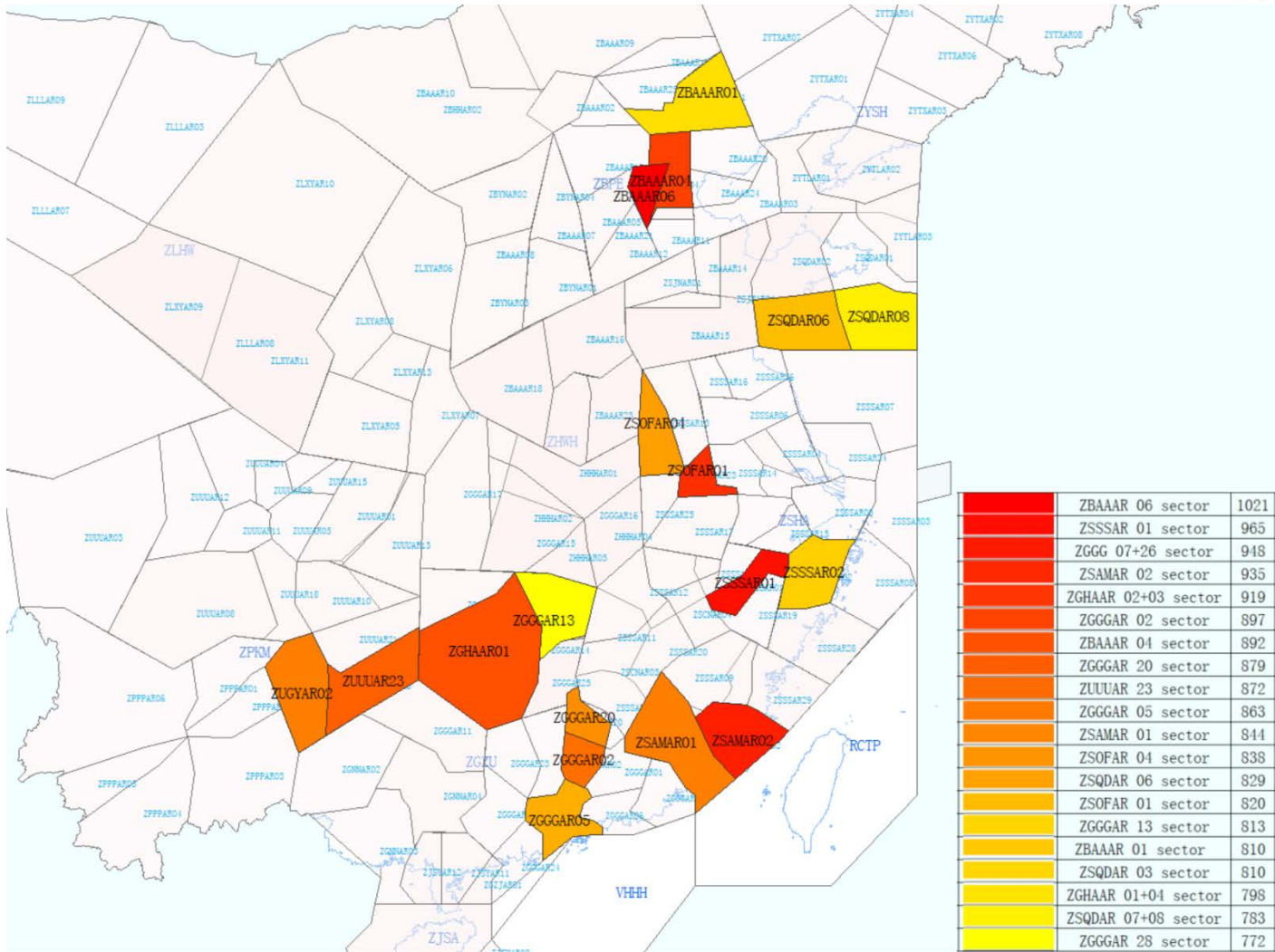
Fuel savings after CDO and CCO implementation



Average annual growth rates of various air routes during 2014-2018



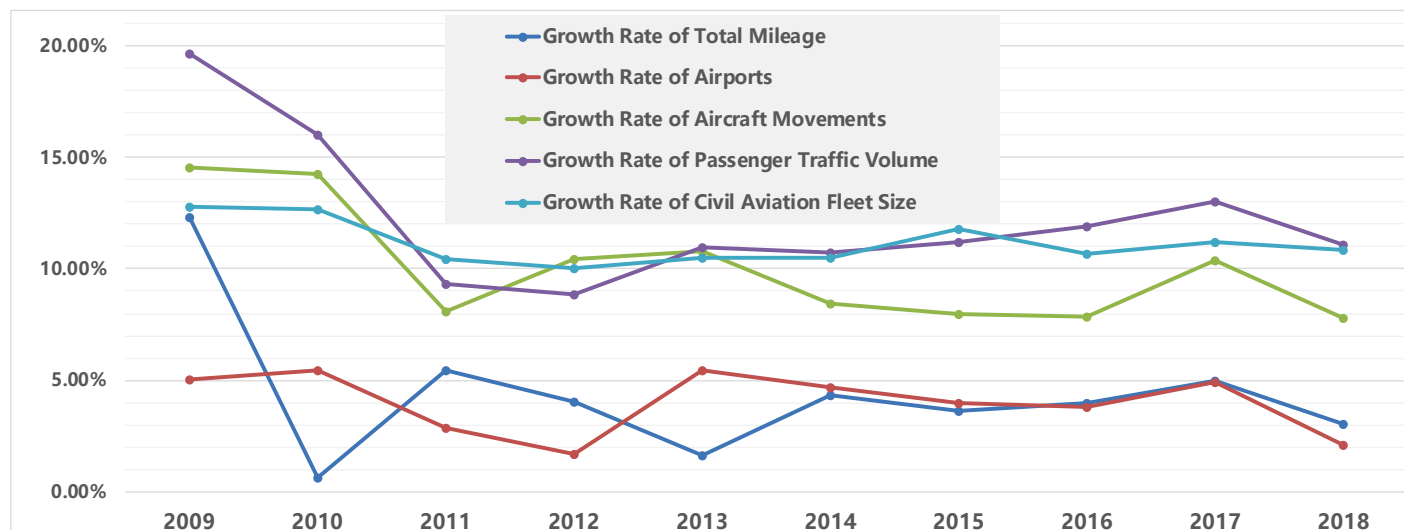
Top 20 ACC sectors (Average daily traffic) in 2018



Top 20 Entry/Exit Points (Daily peak operations) in 2018

Top 20 Entry/Exit Points (Daily peak operations) in 2018					
Entry/Exit Point	2018	Growth Rate	2017	Growth Rate	2016
AGAVO	166504	52.969%	108848	-23.914%	143060
POLHO	104187	98.788%	52411	20.626%	43449
LINSO	84677	-5.485%	89591	30.329%	68742
SIKOU	78727	2.474%	76826	7.818%	71255
NIXAL	76397	100.839%	38039	-2.032%	38828
ASSAD	52738	-2.928%	54329	-20.462%	68306
BUNTA	52246	-19.280%	64725	-9.132%	71230
BEKOL	47064	-0.795%	47441	3.068%	46029
INTIK	45273	70.065%	26621	-18.463%	32649
SAGAG	43308	-6.333%	46236	21.027%	38203
SULEM	36490	-27.148%	50088	48.554%	33717
MAGOG	27419	5.478%	25995	-49.427%	51401
SIERA	26274	-4.856%	27615	-31.926%	40566
SARIN	23527	-0.461%	23636	16.456%	20296
DOTMI	23373	-10.010%	25973	-37.655%	41660
TAMOT	22677	-29.461%	32148	18.557%	27116
OLDID	20965	34.867%	15545	-9.469%	17171
MORIT	17077	-14.169%	19896	68.624%	11799
KAMUD	10331	-6.549%	11055	39.495%	7925
ARGUK	7780	-0.116%	7789	-51.437%	16039

Development trends of airspace related indicators during 2009-2018



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Growth Rate of Total Mileage	12.33%	0.61%	5.45%	4.60%	1.65%	4.32%	3.63%	4.00%	4.98%	3.04%
Growth Rate of Airports	5.06%	5.42%	2.86%	1.67%	5.46%	4.66%	3.96%	3.81%	4.89%	2.12%
Growth Rate of Aircraft Movements	14.55%	14.27%	8.10%	10.42%	10.78%	8.45%	7.98%	7.84%	10.39%	7.81%
Growth Rate of Passenger Traffic Volume	19.69%	16.02%	9.33%	8.87%	10.97%	10.73%	11.22%	11.93%	13.00%	11.11%
Growth Rate of Civil Aviation Fleet Size	12.82%	12.70%	10.46%	10.03%	10.51%	10.49%	11.81%	10.68%	11.18%	10.86%