



FIG WORKING WEEK 2023

28 May - 1 June 2023 Orlando Florida USA

Protecting
Our World,
Conquering
New Frontiers

Coordinated development of ecology and economy in the Yangtze-river Economic Belt, China

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Towards 2030 SDGs:

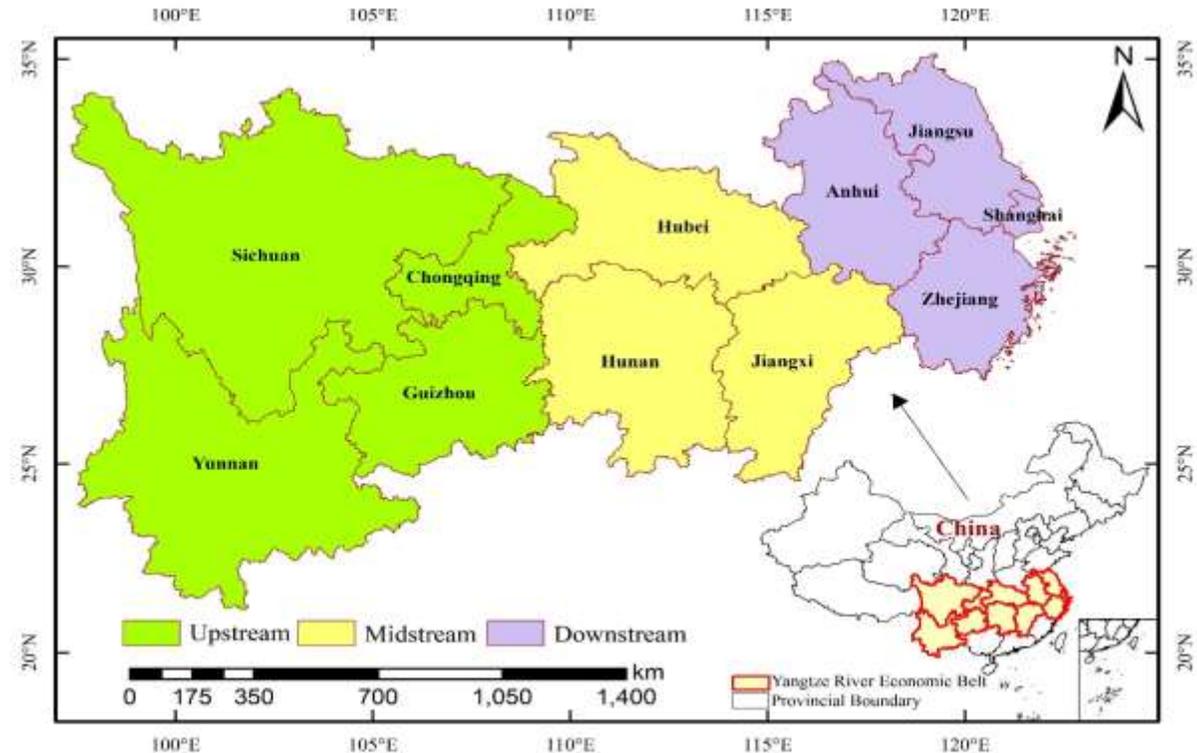
- attach great importance to eco-environmental issues;
- promote the building of a community with a shared future for mankind.

Actions:

- Ecology and economy are dialectical and unified;
- “protection in development” and “development in protection”.

Yangtze-river Economic Belt (YEB)

- 2.052 million km², **21.4%** of China
- economy and population exceeded **40%** of the whole country
- one of the 5 **strategic development regions**



A **golden economic belt** with more beautiful ecology, smoother transportation, more coordinated economy, more unified market and more scientific mechanism.

“Ecological priority”

**New
way**

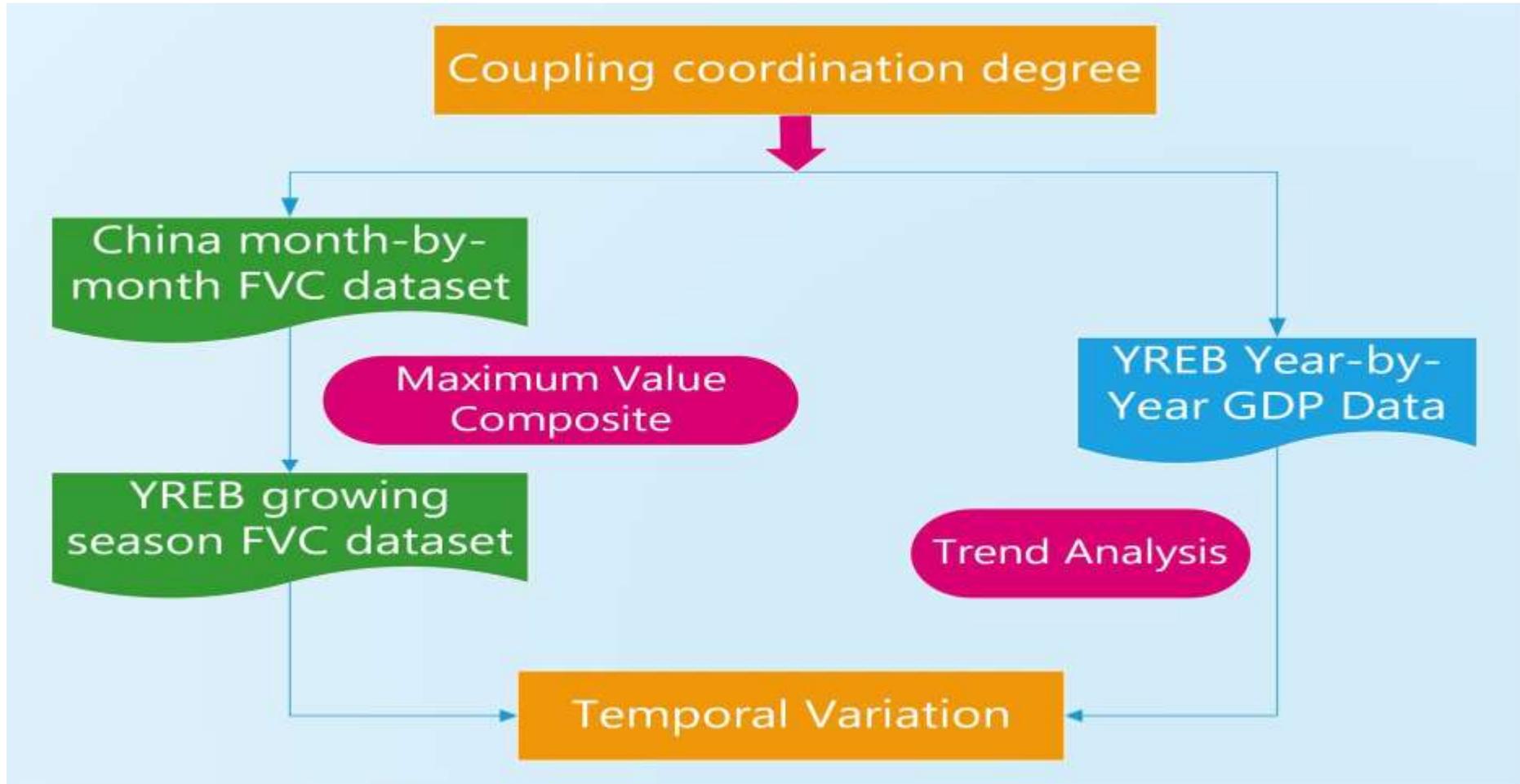
“Green development”

《 YEB Ecological and Environmental Protection Plan (2017) 》 《 Yangtze-river Protection and Restoration Action Plan (2018) 》 《 Yangtze-river Protection Law (2020) 》 《 In-depth implementation of the Yangtze-river Protection and Restoration Action Plan (2021) 》 ...

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Temporal changes of FVC in YEB

2000



- the temporal changes of FVC from 2000 to 2021
- **become green** obviously over the past 22 years.

- FVC shows a **linear increasing** trend over the past 22a
- with an increasing trend of 0.3% per year

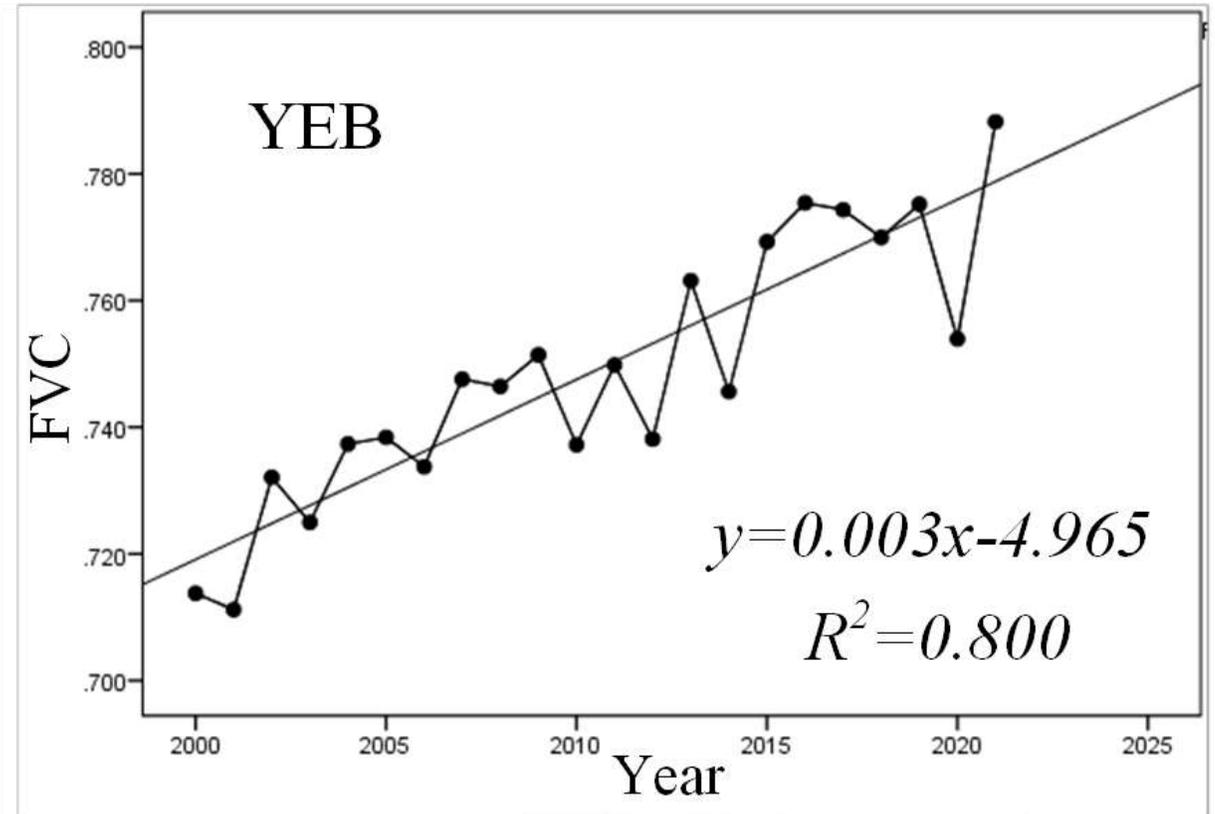
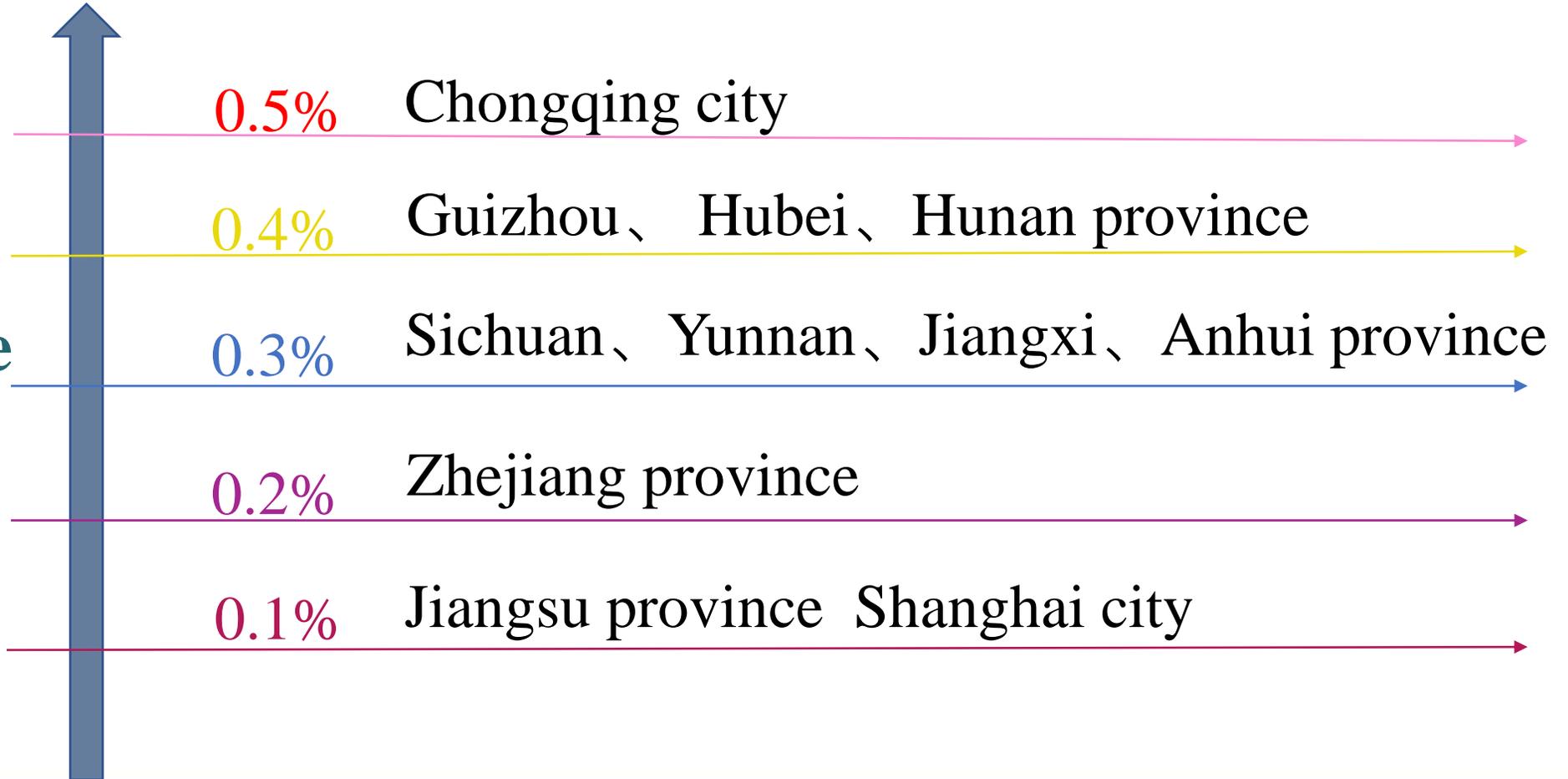


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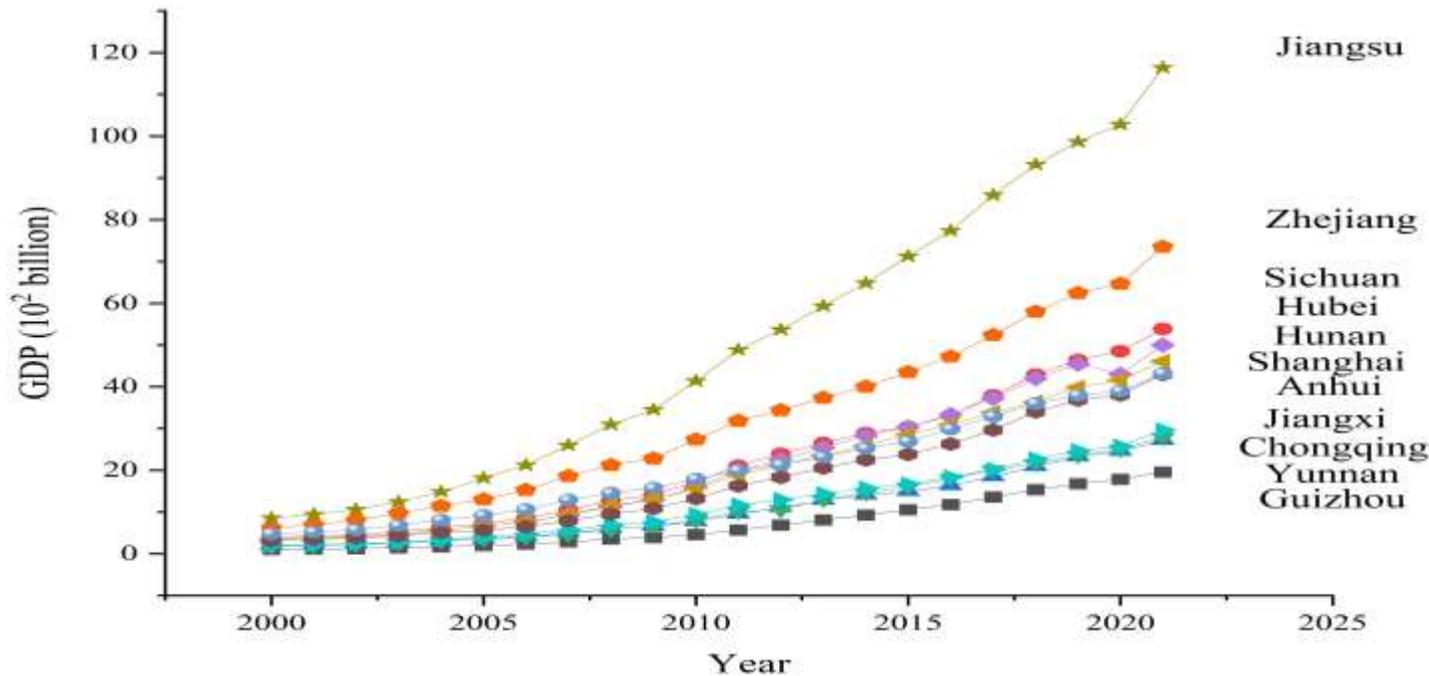
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FVC growth rate



Temporal changes of GDP in YEB



- the GDPs show sustained and exponential growth
- the GDPs of the downstream area account for more than 51%

Coupling coordination degree between GDP and FVC

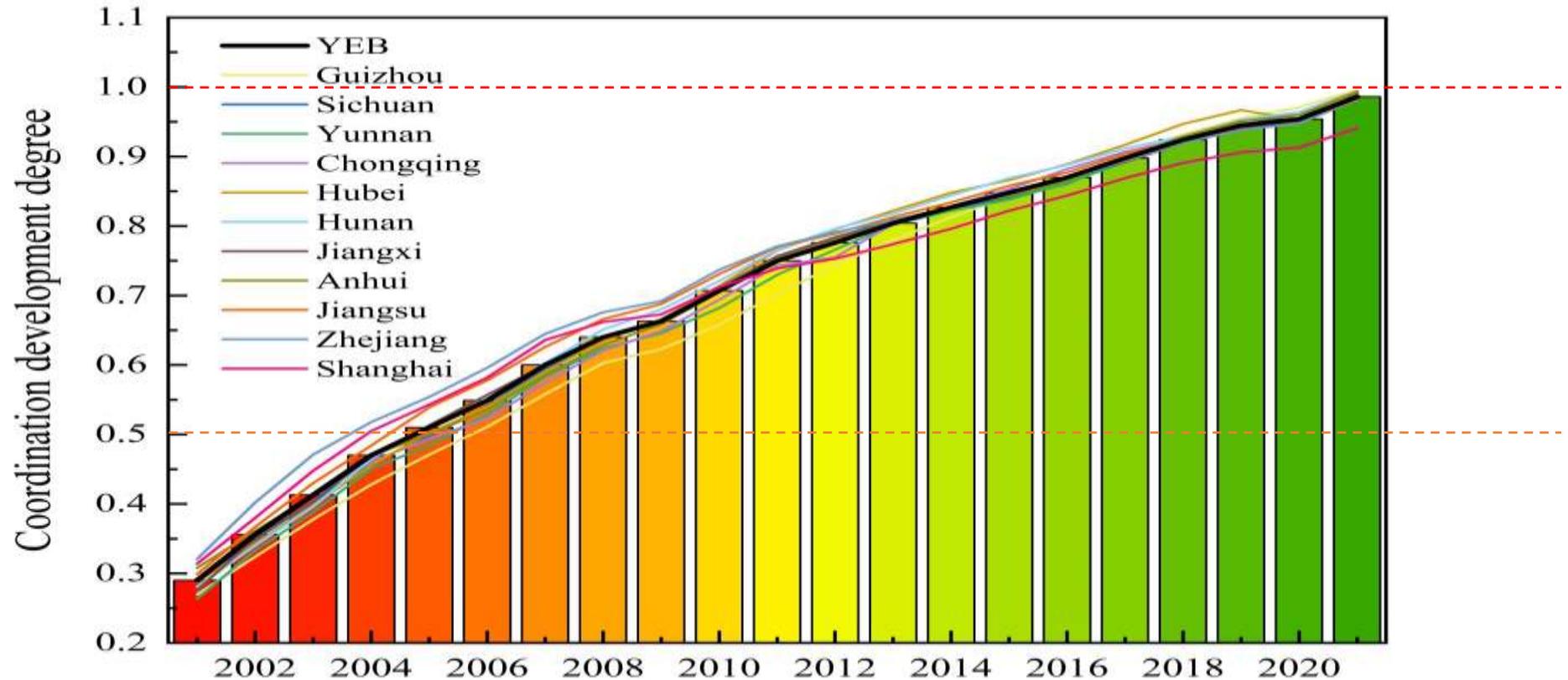


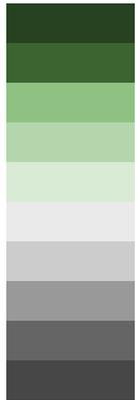


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Development



Recession



YEB	Guizhou province	Sichuan province	Yunnan province	Chongqing city	Hubei province	Hunan province	Jiangxi province	Anhui province	Jiangsu province	Zhejiang province	Shanghai city
2000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	0.290	0.270	0.287	0.264	0.288	0.287	0.281	0.276	0.308	0.299	0.314
2002	0.356	0.324	0.349	0.333	0.360	0.343	0.340	0.351	0.361	0.367	0.402
2003	0.413	0.378	0.403	0.388	0.413	0.398	0.396	0.404	0.411	0.430	0.471
2004	0.470	0.428	0.459	0.451	0.461	0.456	0.465	0.470	0.470	0.484	0.518
2005	0.510	0.471	0.498	0.484	0.494	0.502	0.510	0.513	0.500	0.539	0.554
2006	0.549	0.511	0.541	0.529	0.523	0.540	0.552	0.557	0.536	0.578	0.596
2007	0.600	0.558	0.595	0.583	0.575	0.591	0.603	0.600	0.586	0.626	0.645
2008	0.640	0.603	0.637	0.624	0.621	0.635	0.651	0.640	0.629	0.666	0.676
2009	0.663	0.623	0.662	0.646	0.649	0.666	0.680	0.662	0.659	0.688	0.692
2010	0.707	0.658	0.707	0.682	0.694	0.714	0.721	0.711	0.705	0.731	0.737
2011	0.750	0.702	0.754	0.730	0.743	0.765	0.766	0.757	0.753	0.770	0.771
2012	0.776	0.744	0.782	0.766	0.755	0.795	0.796	0.784	0.780	0.789	0.791
2013	0.804	0.780	0.809	0.802	0.803	0.822	0.818	0.808	0.806	0.813	0.808
2014	0.827	0.813	0.826	0.822	0.829	0.848	0.844	0.828	0.828	0.834	0.825
2015	0.848	0.842	0.840	0.838	0.853	0.866	0.869	0.847	0.843	0.858	0.850
2016	0.870	0.869	0.861	0.862	0.882	0.889	0.888	0.869	0.865	0.877	0.868
2017	0.898	0.904	0.895	0.892	0.907	0.917	0.912	0.892	0.897	0.904	0.894
2018	0.924	0.932	0.926	0.922	0.925	0.947	0.929	0.920	0.929	0.923	0.920
2019	0.945	0.955	0.946	0.950	0.950	0.967	0.953	0.940	0.951	0.938	0.938
2020	0.954	0.971	0.960	0.964	0.964	0.953	0.964	0.951	0.960	0.948	0.948
2021	0.986	0.996	0.987	0.992	0.994	0.994	0.993	0.989	0.993	0.982	0.983
2022											

Ecological civilization construction

Harmonious coexistence of human and nature

Clear waters and green mountains are invaluable assets

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Conclusions

- The concept of ecological civilization is widely known in China and has become a social consensus.
- the YEB has **become green** obviously over the past 22 years, as well as achieved a "**win-win**" development between ecology and economy.
- In the future, China is willing to contribute more towards **2030 SDGs**.



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Thank you!

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May 2023



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