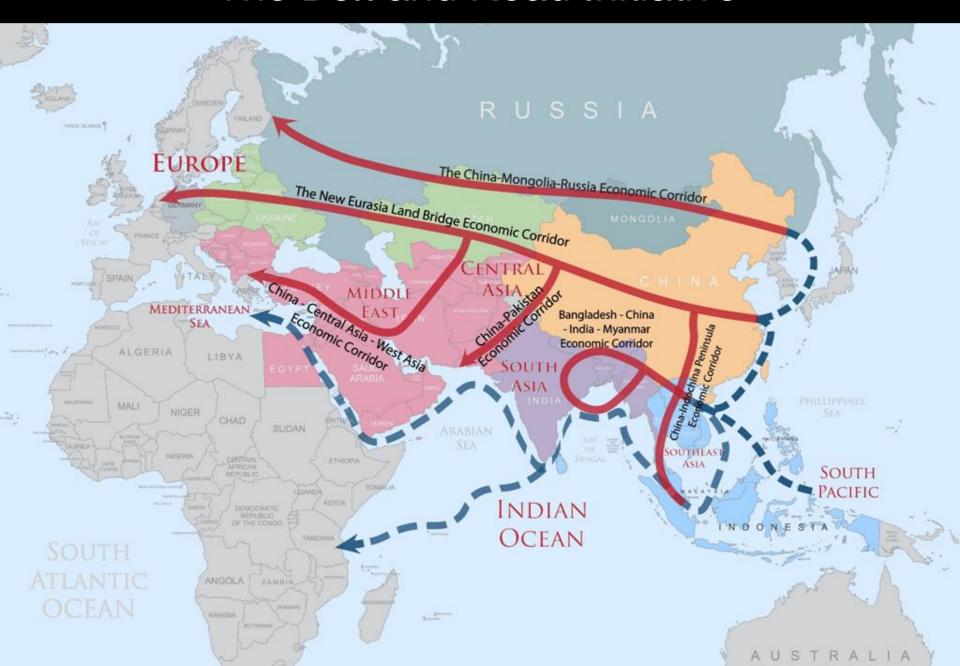
# China's Silk Road and Global Health

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### The Belt and Road Initiative



#### Silk Road



So far, China has reached bilateral agreements with about half of the involved countries, and Chinese enterprises last year reportedly signed nearly 4,000 contracts valued at \$93 billion in 60 countries.

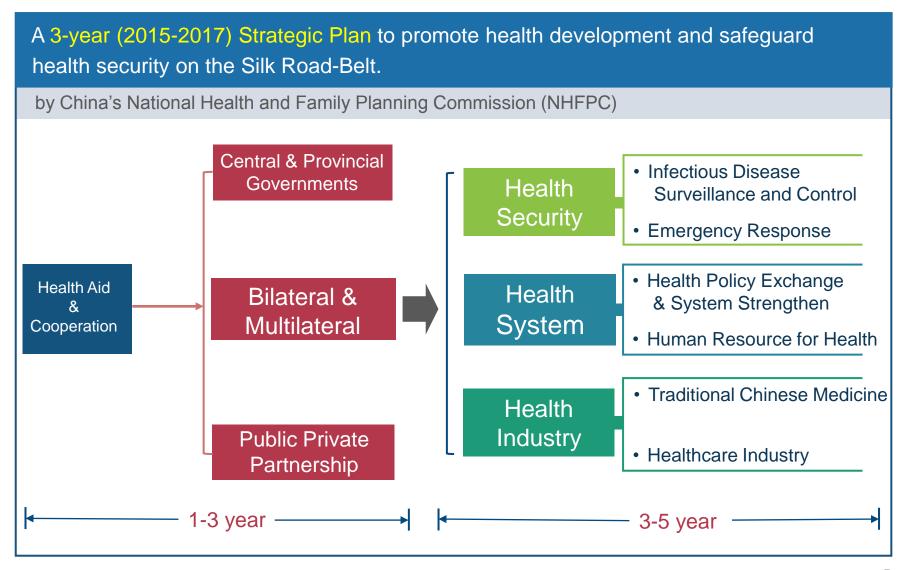
#### Belt and Road Initiative

a long-term strategy to boost global developmen

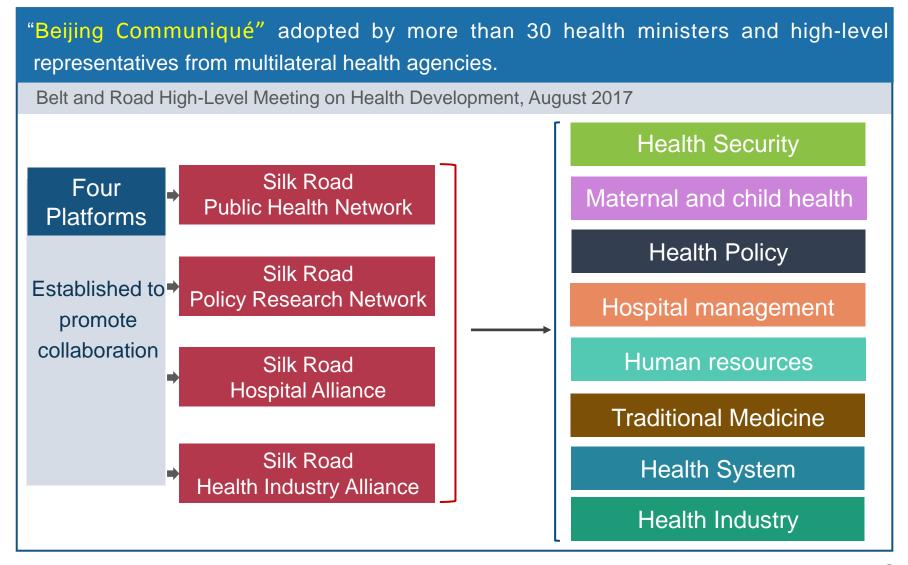
It has been estimated that ——
China plans to invest up to 9% of its
GDP, an amount 12 times larger in
absolute dollars than the US-led
Marshall Plan for the reconstruction
of Europe after World War II.



#### Global Health on the Silk Road-Belt



#### Global Health on the Silk Road-Belt



# Comparison with China-Africa Cooperation

#### Forum on China-Africa Cooperation "Beijing Communique" Beijing Action Plan (2019-2021) Belt and Road High-Level Meeting, August 2017 Forum on China-Africa Cooperation Beijing Summit, September 2018 Quarantine cooperation **Health Security** Establishment of African CDC Maternal and child health Health systems and policies towards UHC High-level exchange **Health Policy** Medical service & hospital management Hospital management 50 medical and health aid programs Human resources Traditional Chinese medicine & African herbal medicine cooperation **Traditional Medicine** Public health prevention and treatment system Health System Anti-malaria projects, cooperation on medical Health Industry industry & regulation



## **Health Security**

and training.

materials in only 87 days.

In early 2015, China built a biosafety level-3

laboratory (BSL-3) flying in all construction

#### Ebola and Pandemics in Africa 共同抗击埃村拉 We Fight Ebola Together About 1,200 Chinese, including doctors, public health experts 1200 and military medical officers, were deployed to West Africa China opened a 100-bed treatment unit and established three field demonstration sites in Sierra Leone 100 The Chinese provided free treatment services and were able to achieve "zero infection" among Zero its own workers due to intensive management

#### African CDC

Recognizing long-term needs, China and USA offered to support the creation of an African CDC based at the African Union in Addis Ababa.

To support the trilateral collaboration, China CDC has signed a MoU with USAID and US CDC. China is donating a 15-floor building, plans to train African epidemiologists, and will assign 2 Chinese staff advisors to the Africa CDC.

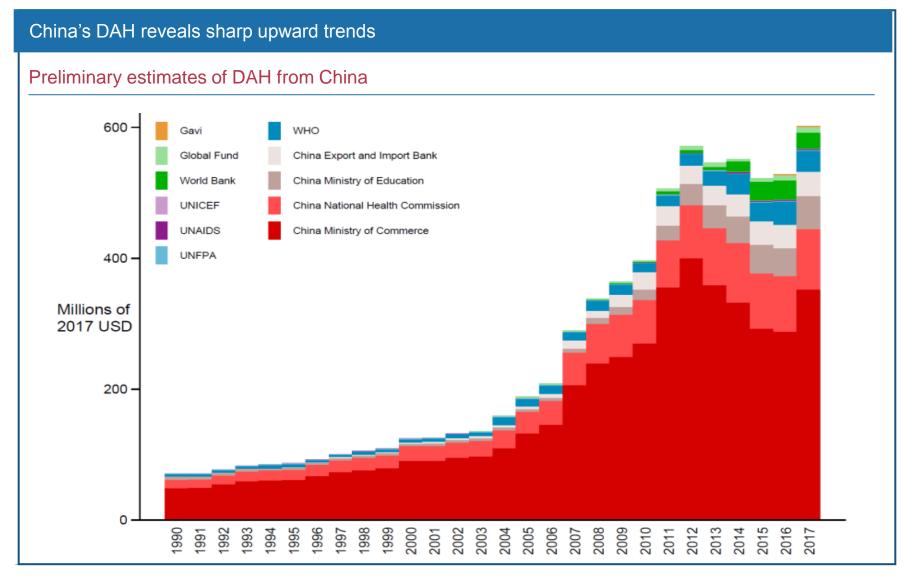




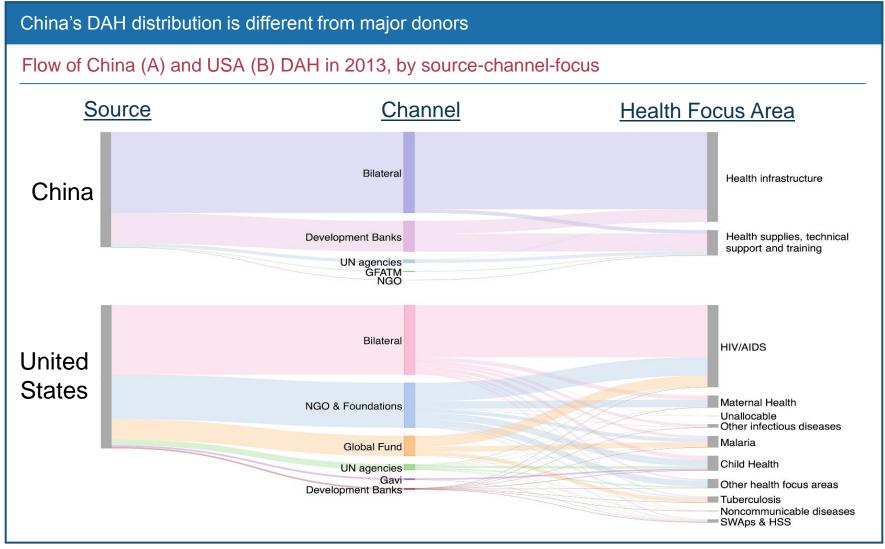
BSL - 3

#### Governance



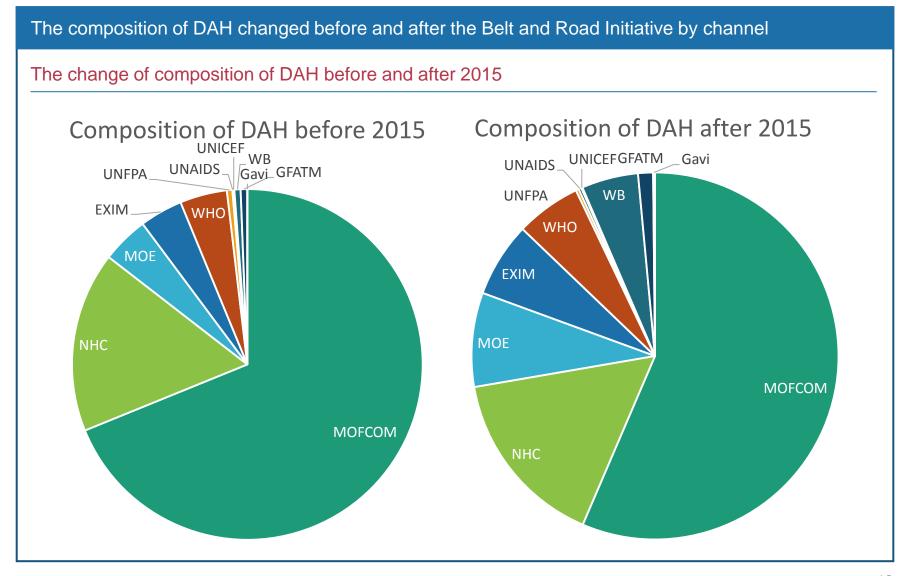


Source: IHME, 2018 11

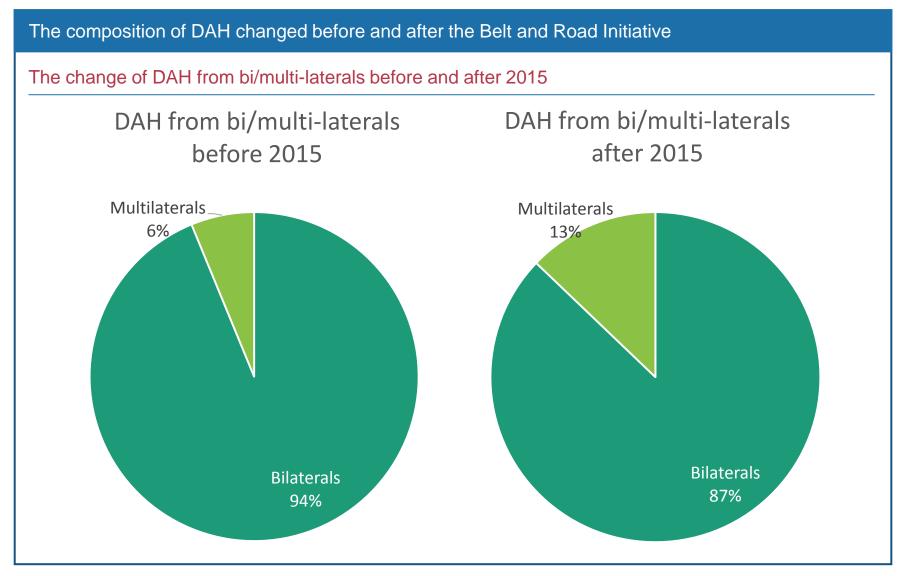


Source: 1. Appendix sections 3 and Appendix Table 2;

<sup>2.</sup> Institute for Health Metrics and Evaluation (IHME). Financing Global Health Visualization. Seattle, WA: IHME, University of Washington, 2016. Available from http://vizhub.healthdata.org/fgh/. (Accessed on February 28, 2017)



Source: IHME, 2018



#### Factors influencing China's DAH allocation

China's DAH and its correlation with recipient country characteristics

**Table 2.** Spearman correlation coefficients between DAH level and influencing factors: results of the univariate and multivariate analyses

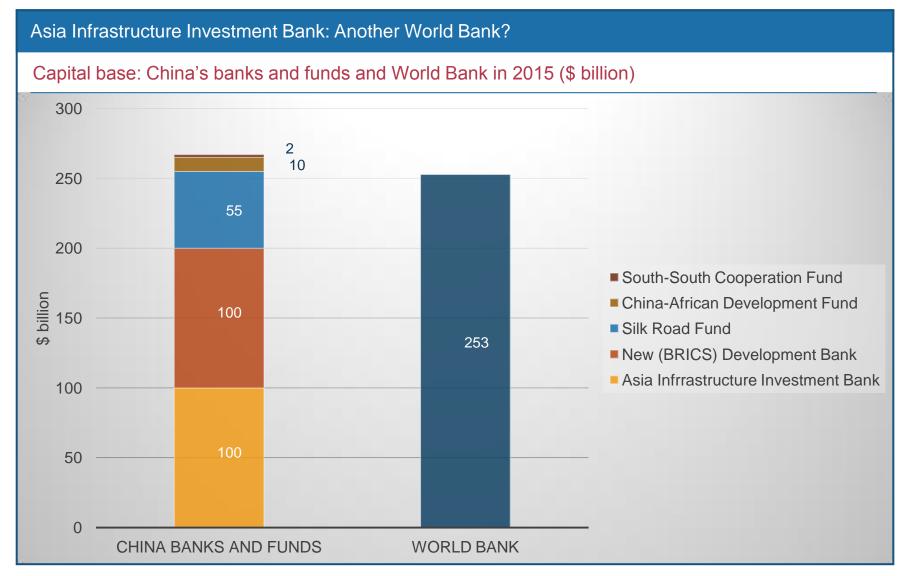
Influencing factors	Univariate	Univariate analysis Multivariate analysis		E ANALYSIS
	Coefficients	P-value	Coefficients	P-value
la Recipient country GDP per capita	-0.46093	<0.0001†	-0.31941	0.0049†
1b Recipient country all-cause DALYs	0.20155	0.0694*	0.15294	0.1872
2a Recipient country government effectiveness	-0.39653	0.0002†	-0.19208	0.0965*
2b Recipient country human right violation	0.02184	0.8456	-0.23227	0.0435†
3a Trade level	0.09680	0.3869	-0.01130	0.9228
<b>3b</b> Voting alignment in the UN	-0.09417	0.4001	-0.10002	0.3900
3c Natural resource rent	0.27428	0.0126†	0.12583	0.2788

GDP – gross domestic product, UN – United Nations, DALY – disability-adjusted life year

†P < 0.05.

<sup>\*</sup>P < 0.1.

China's ODA level is still lower than major OECD donors $ODA  o DAH \ \%  ext{ of ODA}$						
China's ODA and DAH in comparison to US, UK, Japan, and OECD-DAC*, 2010-2013 (\$ million)						
	2010	2011	2012	2013		
CHINA	3773 $\Rightarrow$ 468   12%	4705 → <b>347</b>   7%	6003 → <mark>340</mark>   6%	7462 > 489   7%		
US	331854 $\rightarrow$ 11768   37%	32585 <b>&gt; 12931</b> 40%	31672 $\Rightarrow$ 11209   35%	31793 $\Rightarrow$ 13222   42%		
UK	14968 <b>&gt; 2625</b>   18%	14971 -> 2690   18%	14967 $\Rightarrow$ 3277   22%	19132 -> 3964   21%		
Japan	9003 → 1121   13%	8357 > 968   12%	8084 $\rightarrow$ 1507   19%	10748 <b>&gt; 784</b>   7%		
OECD-DAC	133258 -> 24622   19%	131839 <b>&gt; 25390</b>   19%	126749 <b>&gt; 24633</b>   19%	$133951  o 28058  \Big   21\%$		
* OECD-DAC members include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, South Korea, Spain, Sweden, Switzerland, United Kingdom, United States						





# Challenges?

- Many barriers will have to be overcome buy-in from neighboring countries, cultural and linguistic differences, varying legal frameworks, and environmental sustainability.
- Although the recent high-level meetings have provided a clearer scope for the Belt and Road health plans, there is the lack of measurable targets and prescribed indicators to evaluate success.
- China has few experienced professionals in the field, and low organizational capacity in global health.
- A Chinese aid agency has been established, but its function and mandate is still under discussion.

#### Tsinghua University

# Thank you for your attention!

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