

THE ROLE OF CHINA IN THE ILLICIT SUPPLY OF NPS

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- (1) Research background
- (2) Research question
- (3) Research method: a multimethod approach
- (4) Findings

1. RESEARCH BACKGROUND

(1) The definition of NPS

International level: three drug control conventions

National level: psychoactive effects

(2) The emergence of NPS

The emergence is not new

The recreational use of NPS is new

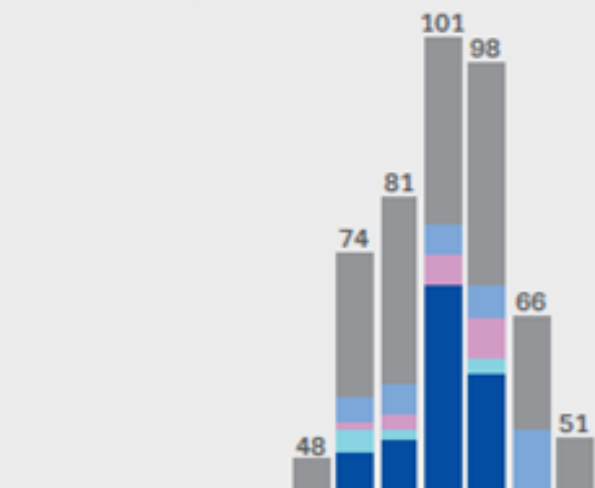
The increased emergence

The increased seizures

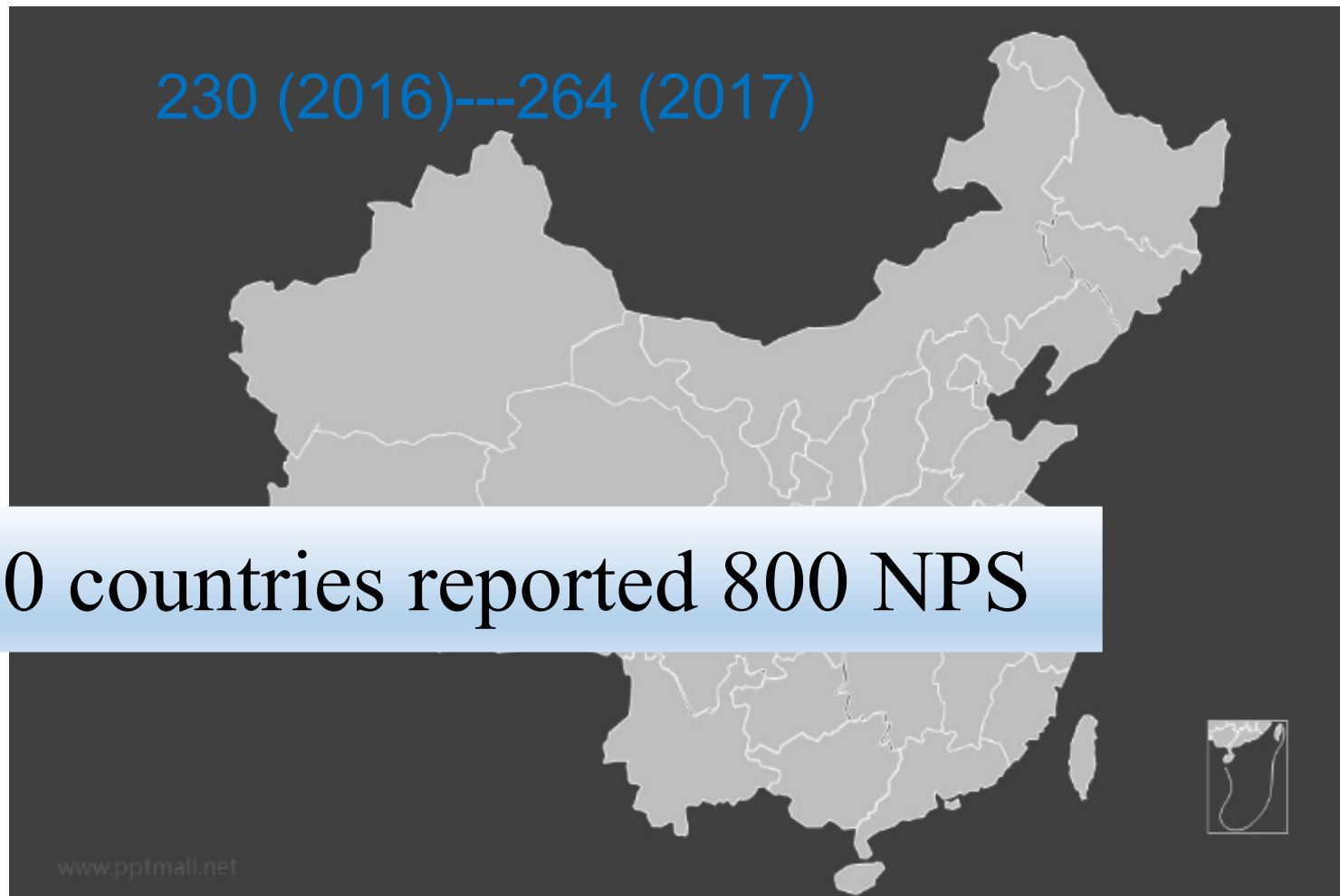
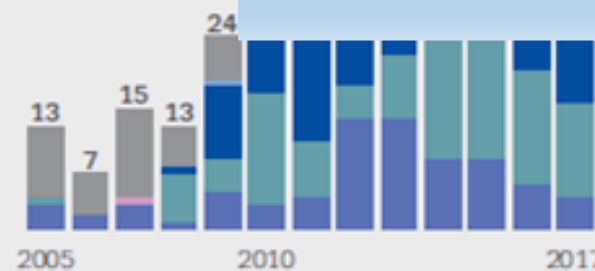
NPS market

THE INCREASED EMERGENCE

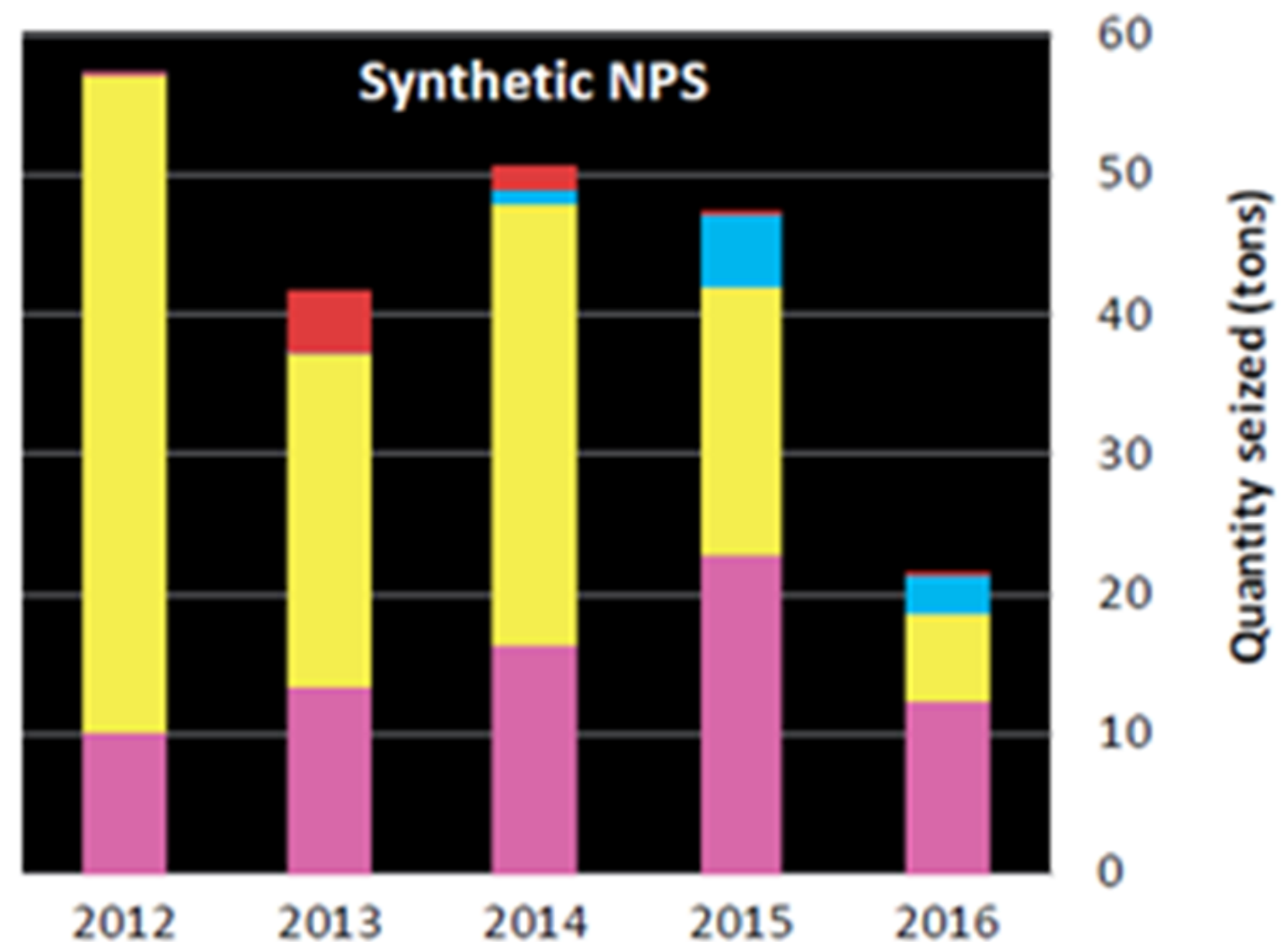
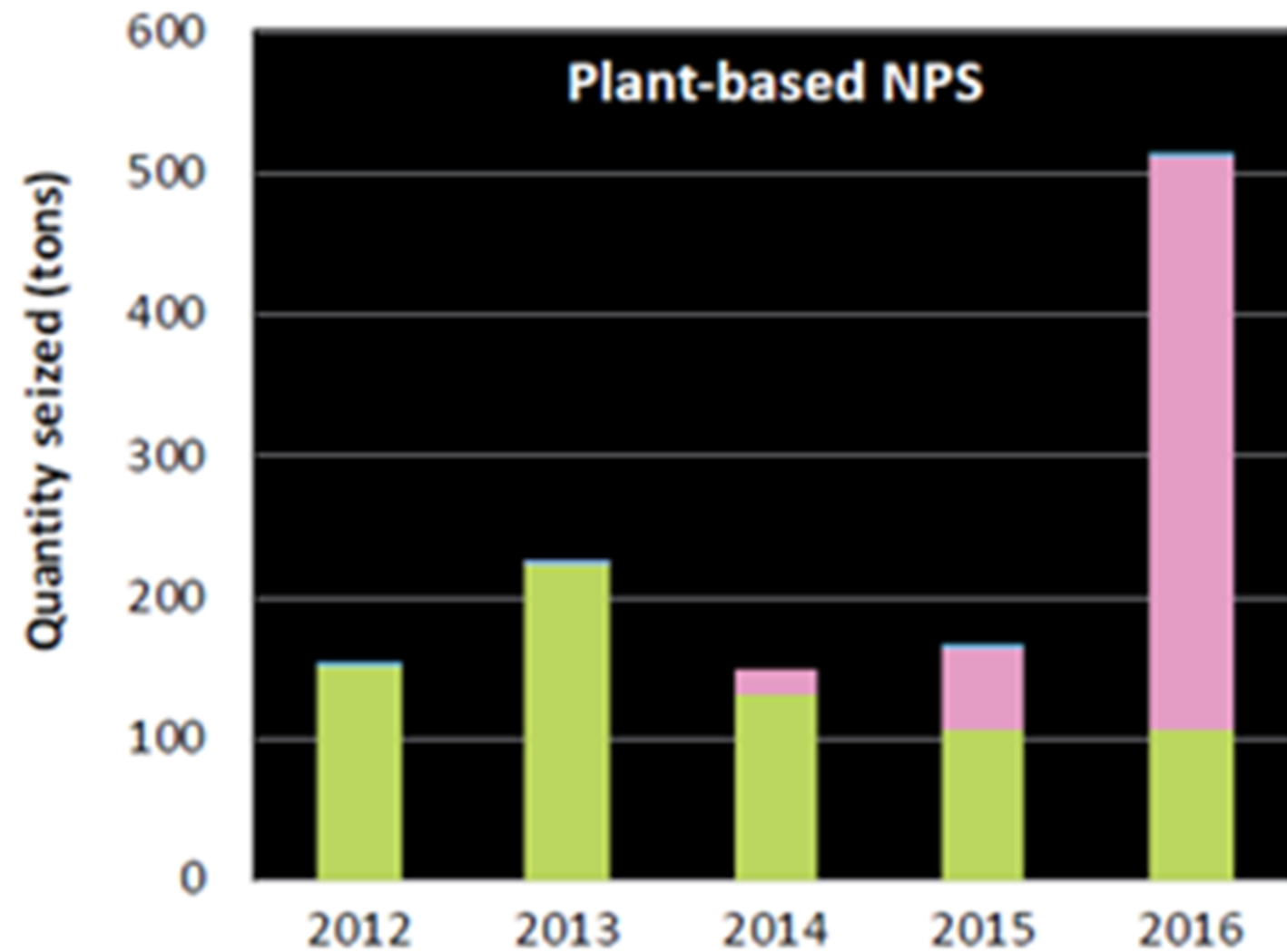
Number and categories of new psychoactive substances notified to the EU Early Warning System for the first time, 2005–17



2018: more than 100 countries reported 800 NPS



THE INCREASED SEIZURES

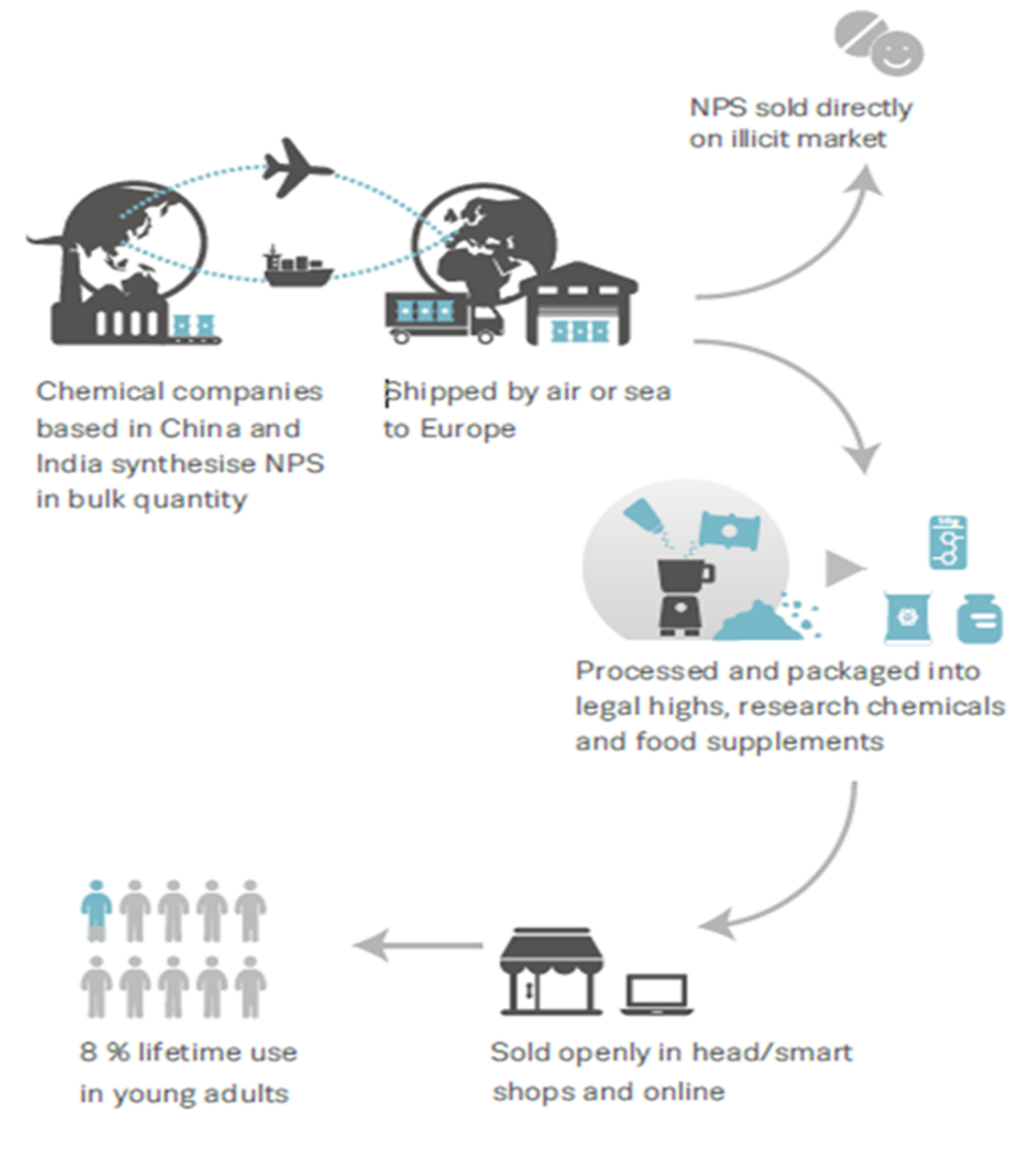


- Other plant-based NPS
- Mitragyna speciosa (kratom)
- Khat

- Other NPS (excluding plant-based substances and ketamine)
- Synthetic cathinones
- Synthetic cannabinoids
- Ketamine

NPS MARKET

- NPS market
- 1. Steep trajectory in emergence
 - One new substance/per week
- 2. Internet involvement
 - Clear net: information source
 - Dark net: NPS source
- 3. Transnational nature



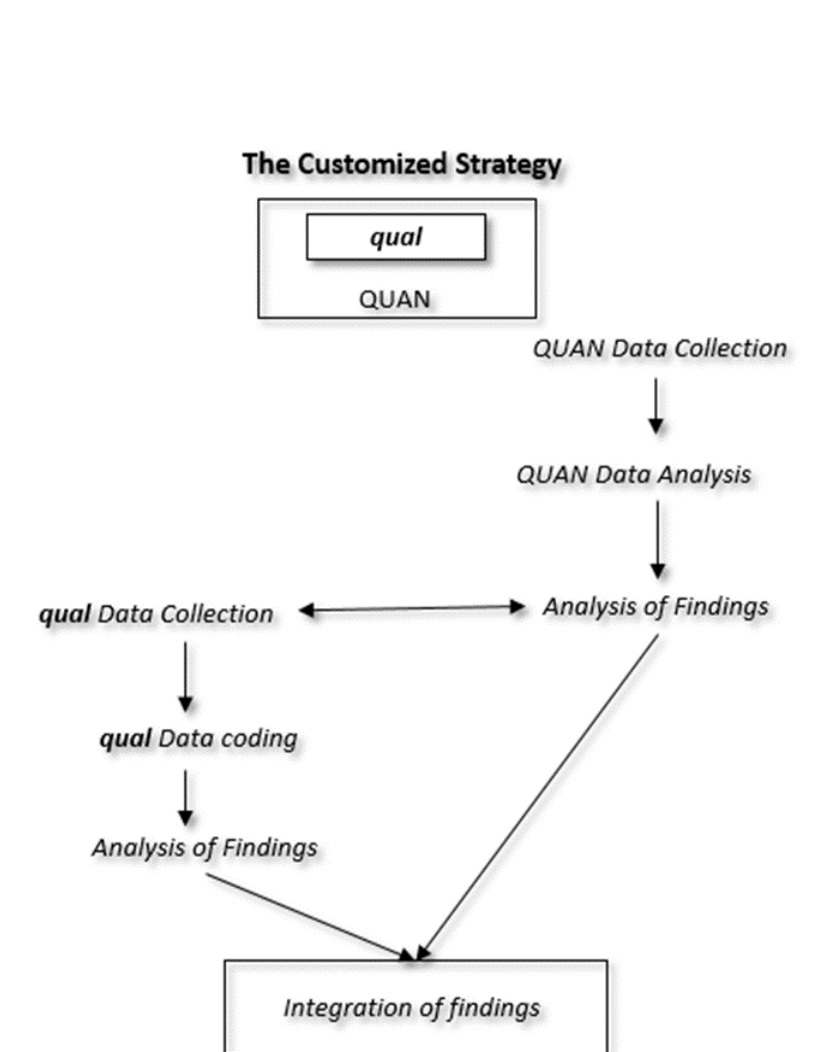
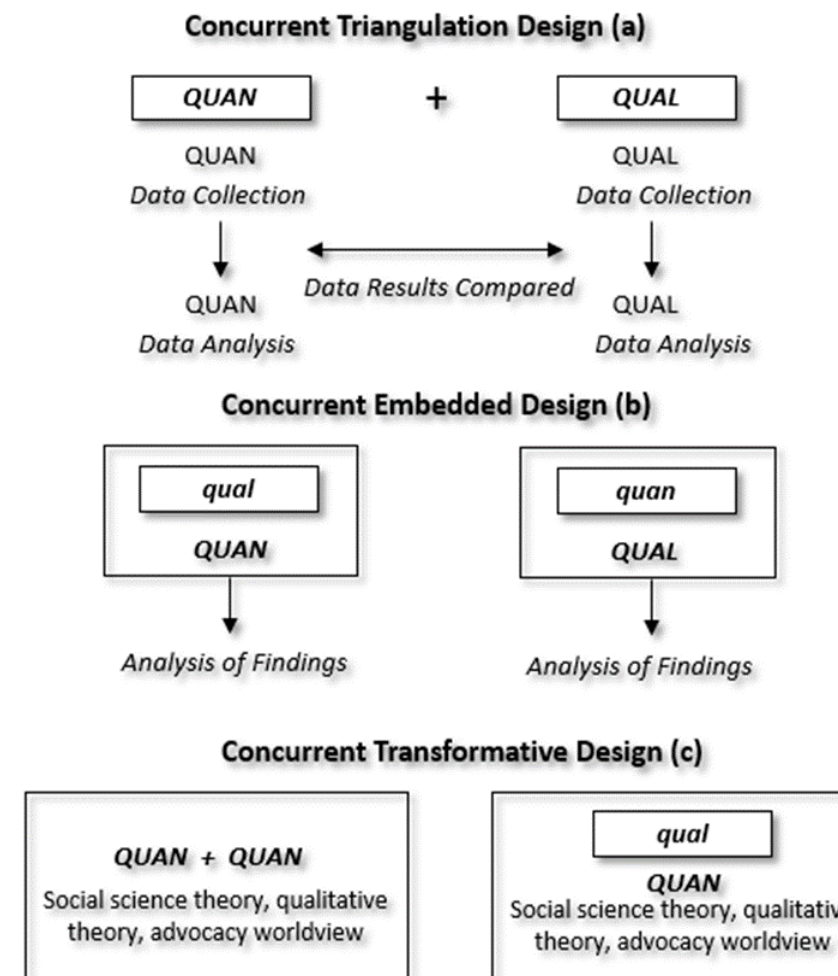
2. RESEARCH QUESTION

What is China's role in the illicit supply of NPS?

3. RESEARCH METHOD

A multimethod approach consists of quantitative and qualitative analysis.

- (1) Data collection
- (2) Quantitative analysis
 - 1) Chi-square tests
 - 2) One-way analysis of variance
- (3) Qualitative analysis
 - 1) Nvivo
- (4) The integration of results



DATA COLLECTION AND ANALYSIS

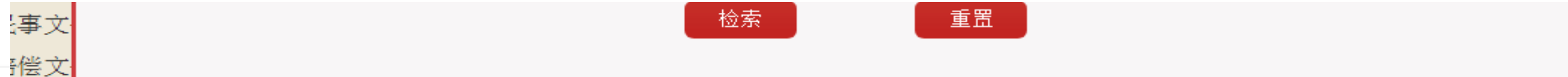
Ketamine

Fentanyl

Synthetic cathinone



		Types of cases					Total
		Manufacture	Distribution	Retail	Transportation	Manufacture-retail	
NPS	Ketamine	45	84	85	67	7	288
	Synthetic cathinone	6	17	18	1	2	44
	Fentanyl	2	2	3	0	2	9



4. FINDINGS

NPS supply networks in China and smuggling out of China

- (1) Offenders' profile and their organization
- (2) Location of the production facilities
- (3) Domestic supply routes
- (4) Smuggling routes
- (5) Purity adjusted price

PROFILES OF OFFENDERS

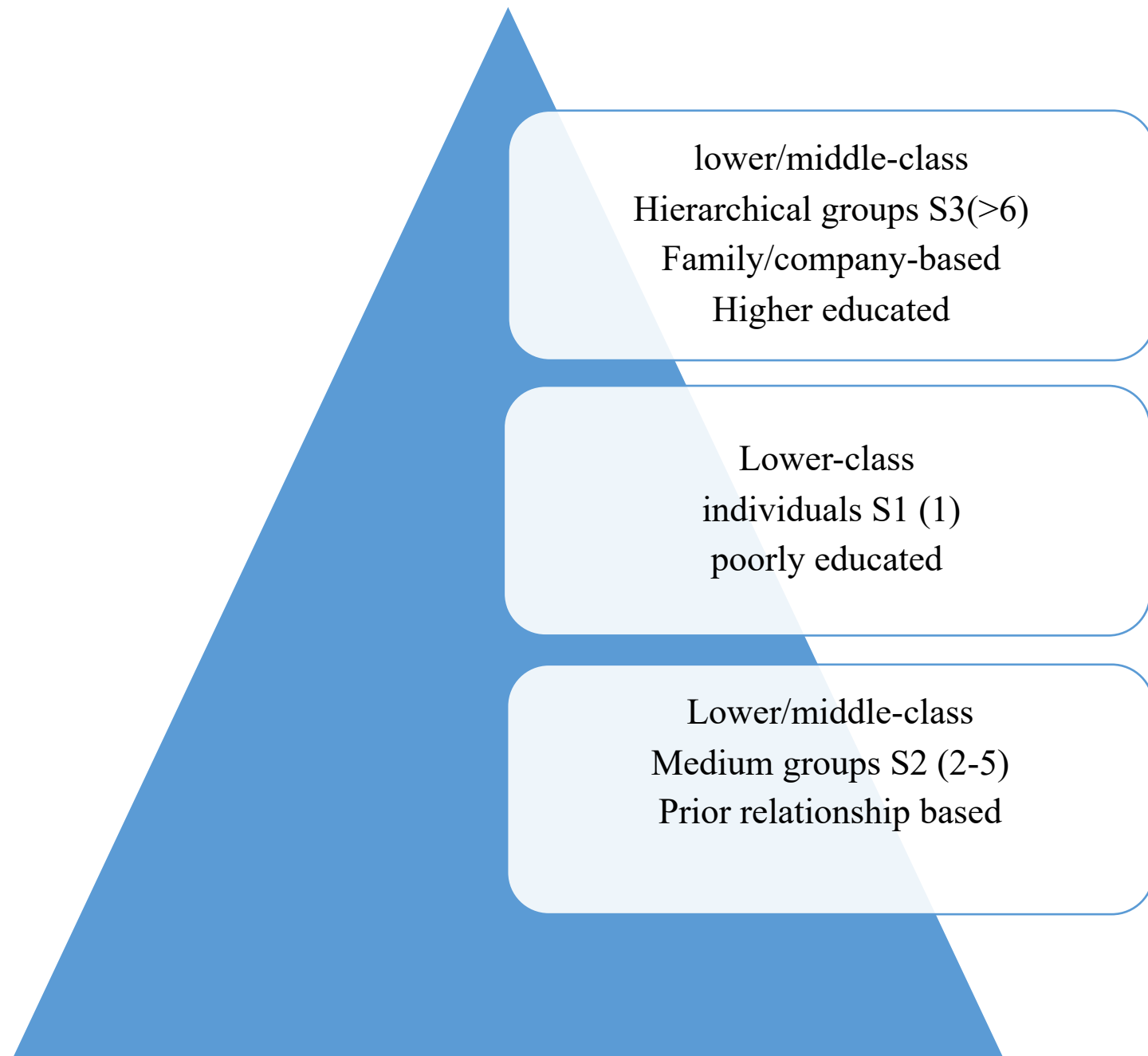
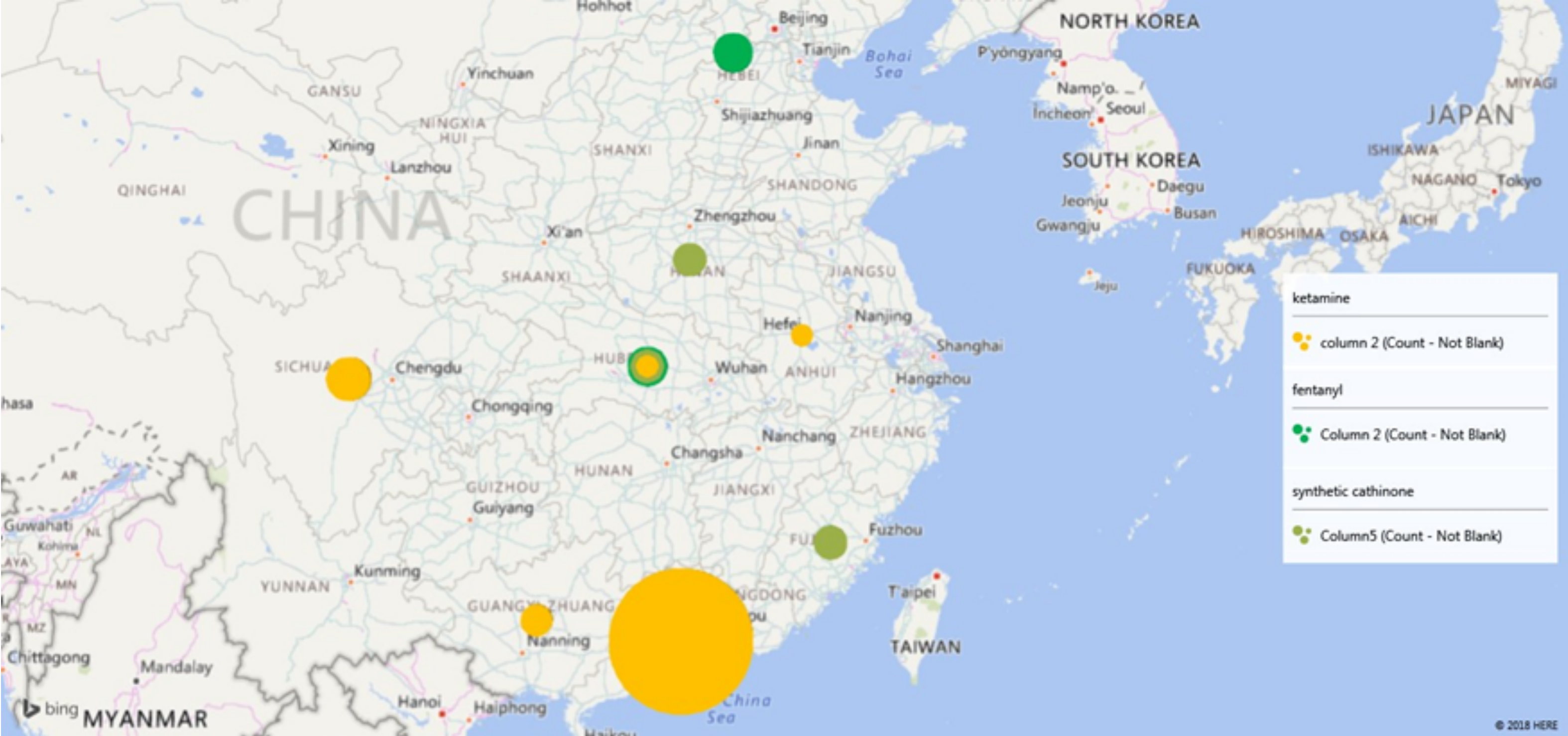


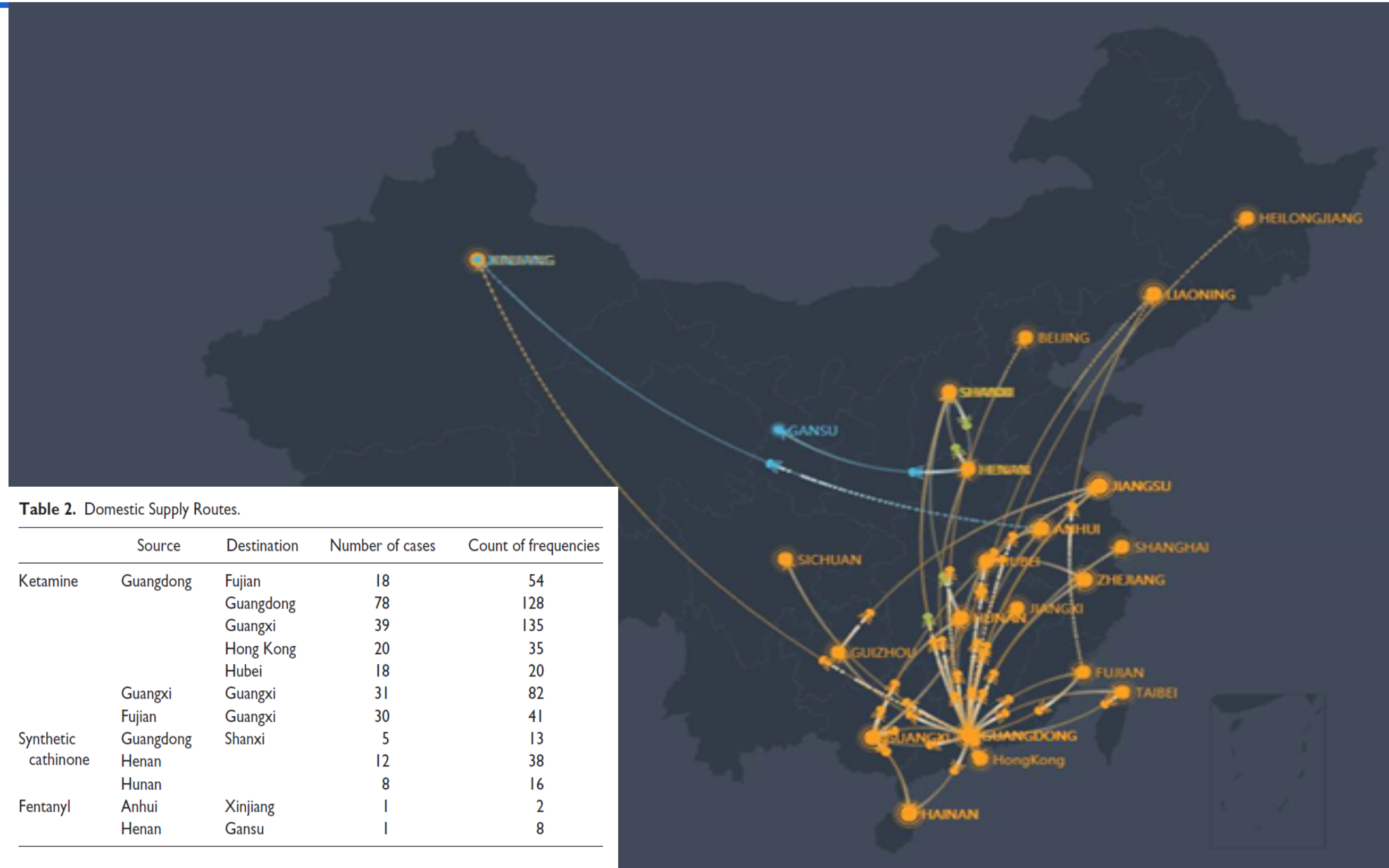
Table 1. Profiles of Offenders.

		Type of offense					Total
		Manufacturering	Distributing	Retailing	Transporting	Manufacturing-retailing	
Number of individuals involved	Scale 1	28	39	51	53	3	174
	Scale 2	21	61	51	15	6	154
	Scale 3	4	3	4	0	1	13
Men		117	210	202	82	41	652
Women		7	18	36	5	4	70
Young adults		38	107	94	38	12	289
Education background	Elementary or lower	25	32	44	16	3	120
	High school	87	182	175	63	33	540
	Bachelor's or above	3	7	5	1	5	21
Occupation	Lower class	111	215	221	86	37	670
	Employee	5	7	12	0	4	28
Drug use experience		17	98	118	43	10	286
Criminal record	Maximum penalty	20	59	53	26	10	168
	7-20 years	25	48	50	27	4	154
	Life imprisonment	21	46	50	40	4	161
	Death	7	9	6	1	3	26

LOCATION OF PRODUCTION FACILITIES



SUPPLY ROUTES IN CHINA



SUPPLY ROUTES FROM CHINA

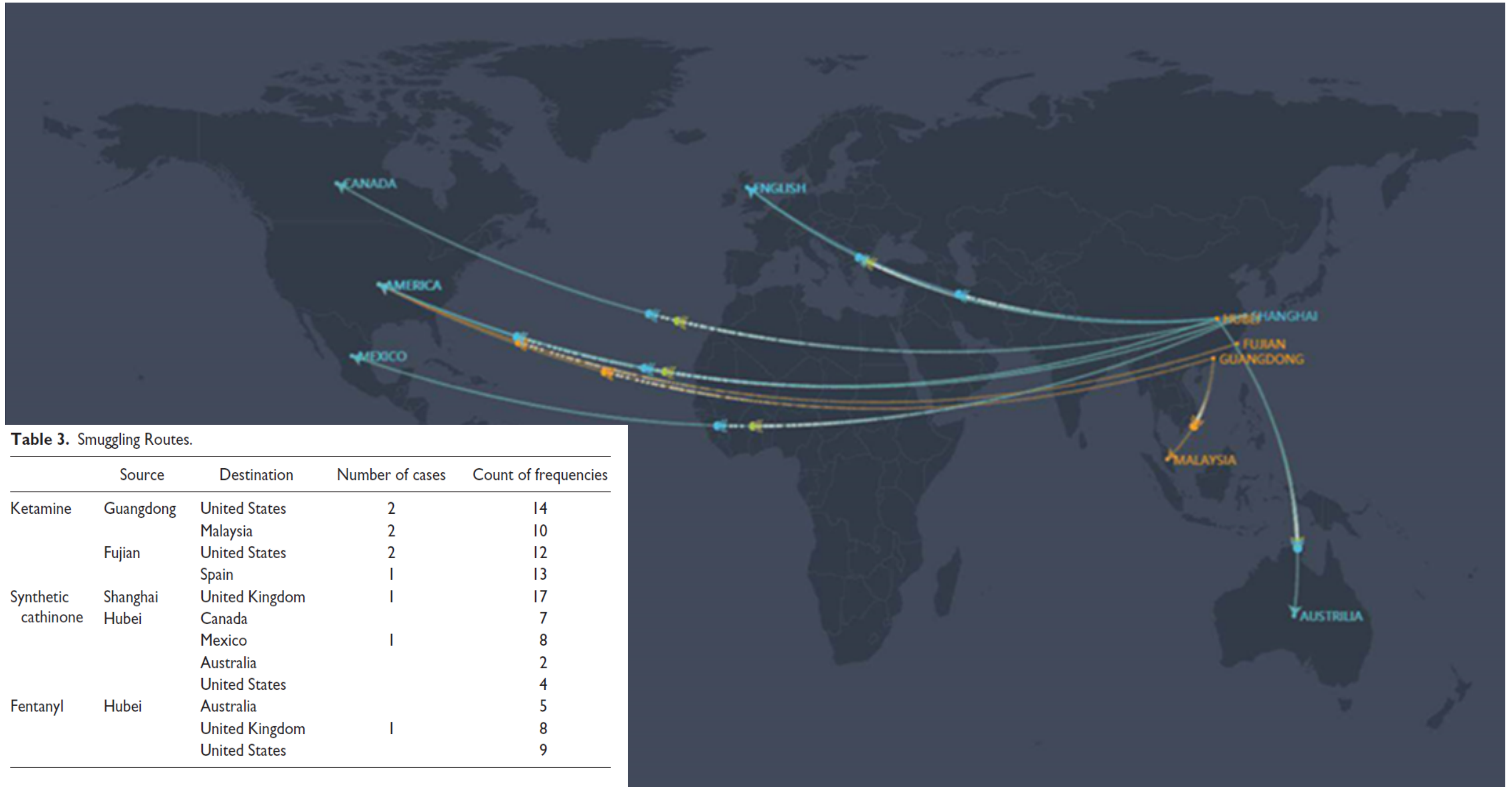


Table 3. Smuggling Routes.

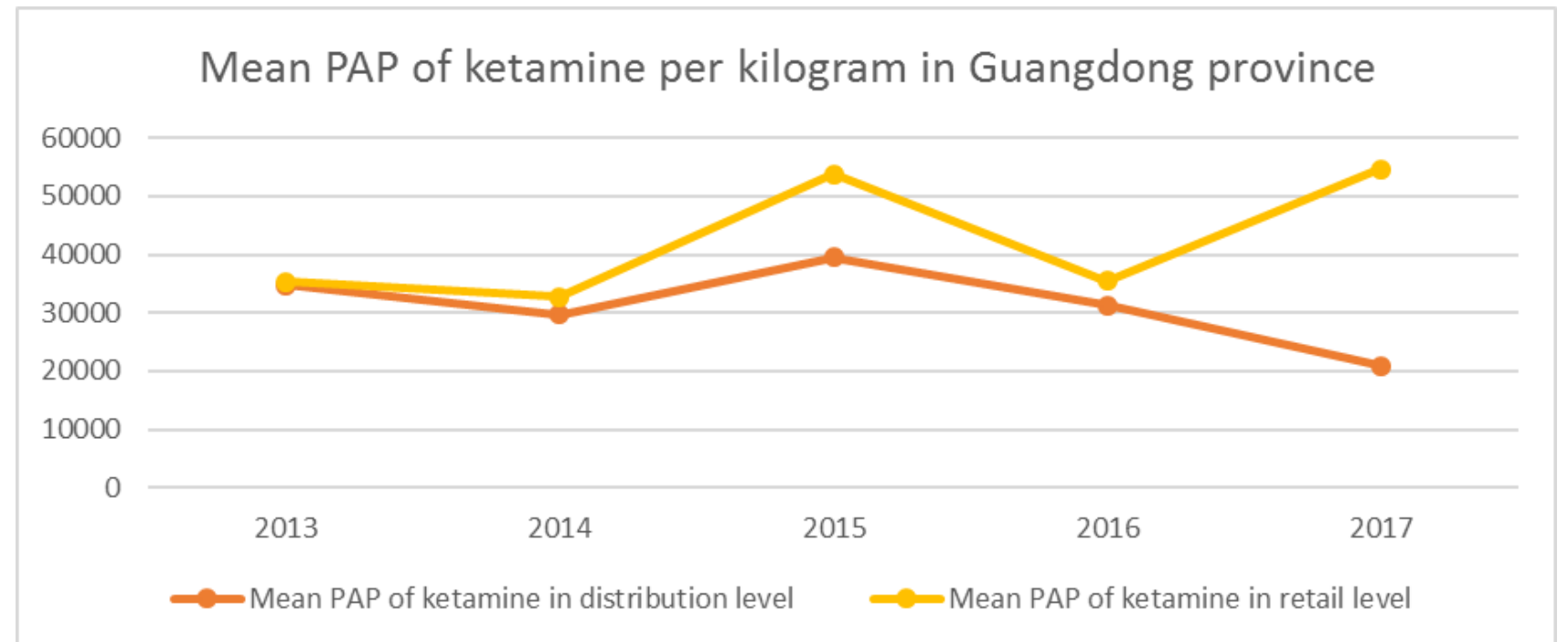
	Source	Destination	Number of cases	Count of frequencies
Ketamine	Guangdong	United States	2	14
		Malaysia	2	10
	Fujian	United States	2	12
Synthetic cathinone	Shanghai	United Kingdom	1	17
	Hubei	Canada	1	7
		Mexico	1	8
		Australia	1	2
		United States	1	4
Fentanyl	Hubei	Australia	1	5
		United Kingdom	1	8
		United States	1	9

PURITY ADJUSTED PRICE

$$\text{Price per pure KG} = \frac{\text{price per KG}}{\text{purity}}$$

Table 4. Purity Adjusted Price.

		2013		2014		2015		2016		2017	
		N	M (¥)	N	M (¥)	N	M (¥)	N	M (¥)	N	M (¥)
Ketamine (Guangdong)	Distribution level	15	34,699	36	29,695	30	39,465	30	31,344	9	20,948
	Retail level	6	35,331	6	32,738	6	53,829	9	35,489	6	54,624
Synthetic cathinone	Distribution level	5	108,990	6	166,795	6	43,653	5	82,575	x	x
	Retail level	4	723,938	3	837,052	5	105,697	3	1,252,733	x	x



Thanks for your patience.

Thanks for the support of FuturiZe.

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