

HOTSPRINGS ASIA LEADS BY SIZE

Estab



Estab.

Sub-Saharan Africa \$0.05b Revenues



Latin America

\$0.9b Revenues

Middle East-

\$0.2b Revenues

N. Africa

Asia is the fastest

growing market

TOP HOTSPRING MARKETS

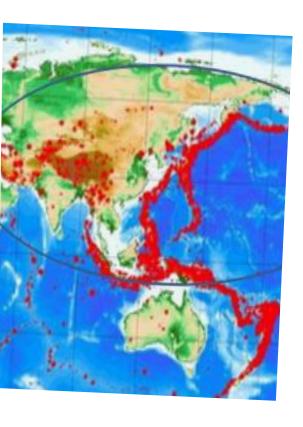
	Number of Establishments	Revenues (US\$ billions)	Rank in 2013
China	2,160	\$14,078.3	1
Japan	17,653	\$11,687.0	2
Germany	1,265	\$7,520.0	3
Russia	776	\$3,688.5	4
Italy	756	\$1,742.7	5
Austria	124	\$928.8	6
Turkey	196	\$862.4	7
Hungary	531	\$691.3	8
Czech Republic	84	\$686.4	9
Spain	165	\$672.0	10
France	175	\$665.5	11
Poland	72	\$576.0	12
Switzerland	61	\$485.8	13
Slovenia	63	\$439.2	14
United States	185	\$395.0	15
Portugal	84	\$376.2	16
Slovakia	81	\$364.8	17
Taiwan	119	\$307.5	18
Romania	70	\$295.0	19
Iceland	135	\$293.0	20

China and Japan represent 51% of global industry revenues.





HOTSPRINGS IN ASIA



- China
- India
- Indonesia
- Japan
- Korea
- Malaysia
- Myanmar
- Philippines
- Singapore
- Taiwan
- Thailand
- Vietnam

Very little data available on most countries: data is incomplete, inconsistent and/or unreliable



JAPAN ONSEN AS PART OF CULTURE





hot spring ceremony in Kyushu

Nippon Onsen Research Institute latest statistics:

- 3,088 hot spring districts
- 27,367 springs and
- 21,161 facilities.

No. guests staying at hot spring lodges per year is around **128 million.**





JAPAN HOT SPRING DEVELOPMENT



Prehistoric Era Rejuvenation after hard physical work



Nara Era Buddhist Activities



Kamakura Era From buddhist to recreation



Edo Period
Flourishing for medical effects



Heisei Period Industry suffered due to economy. Regulation

Products:

Natural Onsen for relaxation



Natural Onsen for general health

Ryokan Facilities cuisine Natural
Onsen
for specific
health
conditions
wa

Ryokan
Facilities
cuisine

Water
Park





JAPAN THREE MAIN TYPES OF ONSEN



Day Onsen: mainly in big cities with spa service, like Day spa operation. Ave. spend ~15-20 USD



Local Public Onsen:
often settled in onsen
district serving the
local residents, small
and cheap.
Typically 3-5 USD.
Some are free.



Onsen Ryokan:

Traditional lodges, often far away from cities, providing food and accommodation. Family and lovers are main guest types.

Ave. spend per person per day is ~200 USD.



JAPANESE ONSEN 'PROFESSIONAL'

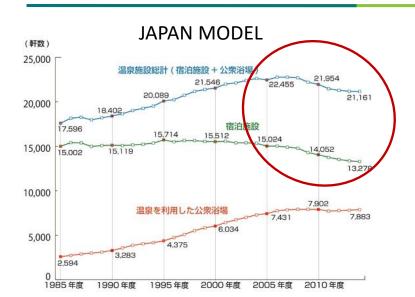
Every hot spring has its own "Onsen ID Card", including information such as:

- Origin of the hotspring water
- Mineral composition
- ✓ Curative effects, e.g., **Oosado onsen** chronic eye diseases
- ✓ pH, indicating different therapeutic effects
 - ✓ E.g., Kusatsu-onsen pH 2.6: very helpful for skin disease, chronic gynaecopathia and hypertension;
 - ✓ **Hirugami-onsen** pH 9.5: popular among girls for skin care.
- ✓ Temperature of the head spring: higher temperature can dissolve more active ions (?)
- Osmotic pressure: indicating mineral absorption.
- Contraindication and cautions

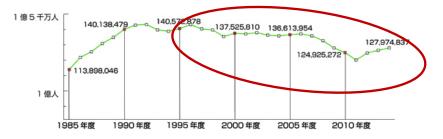




HOTSPRING ONLY MARKET IS LIMITED



No. Hotspring Facilities



Nippon Onsen Research Institute statistics:

- No. hot spring facilities & hotels declining
- No. of hot spring hotel guests declining

GWI Thermal/Mineral Springs Economy Study reveals: Hotspring businesses offering spa services can earn almost twice as much as springs without spa services.

Plus: not every country in Asia has Japan's the extraordinary hot spring resources.

So what is the rest of the market doing?...

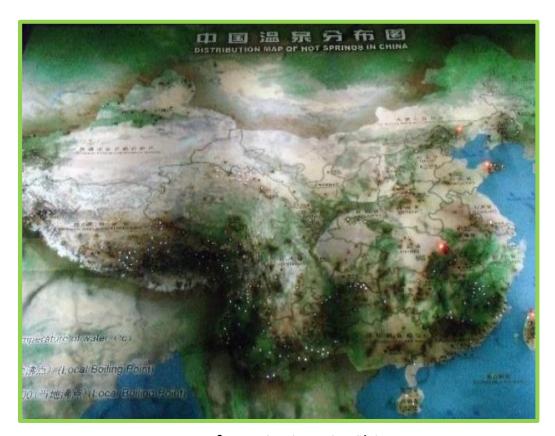
No. Hotspring Hotel Guests





CHINA HOTSPRING OVERVIEW





Map of Hot Springs in China

More than **4,000 hot springs** around China

Hot spring tourism revenue is over **12 billion USD** p.a..

No. of hot spring tourists increasing **20% p.a.**.





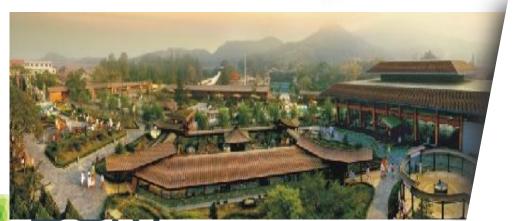
JAPAN AND CHINA DIFFERENT MODELS

JAPAN

Predominantly natural hot springs; making full use of the water itself. 'Pure' and professional.



Top two hot spring markets in Asia



CHINA

China is proliferating many types of hot springs with accommodation, spa services, food and entertainment. **Multi-function and diverse.**



CHINA HOTSPRING DEVELOPMENT





Before Opening-up

government officials

use as sanatorium

Coal miners or

policy







Feudal China
For a long period
of time, hot
spring is royaltyrelated

Project: Huaging

Hot Spring

Project: Liao Ning An Shan Tang Gang Zi Hot Spring 1980s to late
20th century
Embrace masses
recreation

oriented

Project: Zhuhai Yu Hot Spring Resort early 21st century
More elaborate
and private
soft wellness
oriented with Spa

Project: Brilliant Chongqing and Banyan tree Li Jiang Recently
Flourishing with
entertainment
and multifunction hot
springs

Project: Mission Hills Haikou; Xi'an Lehua Water Park



- Natural Hotspring
- 2. Leisure Hotspring + TCM
- 3. Spa Hotspring
- 4. Rehabilitation Hotspring
- 5. Sauna Hotspring
- 6. Entertainment Hotspring
- 7. Conference & Exhibition Hotspring
- 8. Agriculture Hotspring
- 9. Real Estate Hotspring
- 10. Spiritual Hotspring



TYPE ONE NATURAL HOT SPRING

Self-flowing hot spring within its original landscape, including: seaside, forest, mountains, canyons, wet lands, bamboo forest, volcanoes.

Emphasis on the relaxing and restorative benefits of nature.







TYPETWO LEISURE HOT SPRING + TCM

Relaxation and leisure tourism for the mass market. TCM-related services added as a selling points: herb bath, wellness tea, 'seasonal wellness buffet', etc.
Seldom any TCM expertise onsite.











TYPETWO LEISURE HOT SPRING + TCM



TYPE THREE SPA HOT SPRING

Spa resorts for high-end market. Tranquil ambience, 5-star service, and professional Spa service. Sometimes TCM added. e.g. Brilliant Resorts, Banyan Tree, Sheenjoy



















TYPE THREE SPA HOT SPRING





The Banjaran, Malaysia

TYPE FOUR REHABILITATION HOT SPRING

More affordable, Asian-style sanatorium. Now targeted mainly to seniors. Basic body check, medical (usually traditional), recovery, physiotherapy and fitness.



TYPE FIVE SAUNA HOT SPRING

Urban model for business and family use. Traditional sauna centers adding more elaborate hot spring features. Also foot massage relaxation (with TVs).



TYPE SIX ENTERTAINMENT HOT SPRING

Hot Spring combine with entertainment facilities - to fill full the off peak season to increase resort revenue and business. Targeting families and groups.





TYPE SIX ENTERTAINMENT HOT SPRING

Now developing as full-on Theme Parks...





TYPE SEVEN CONFERENCE HOT SPRING

Hotspring resorts often have large conference & corporate entertainment facilities (eg: KTV), to balance the peak and low seasons in hot spring operation.











TYPE EIGHT AGRICULTURE HOT SPRING

Destinations that combine hot spring resources with eco-tourism – farms for fresh produce. (Land and water is often mineral-rich, resulting in better tasting produce).





TYPE NINE REAL ESTATE HOT SPRING

Wellness real estate is a popular trend in a struggling real estate market. Hot springs greatly add credibility and value to these developments.



TYPE TEN SPIRITUAL



Geological Survey of India identified 350 hot springs in India.

Many hotsprings are valued for their religious significance.

During religious occasions devotees come from far and wide to touch the waters as part of their rituals.



