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Doping management view-based contemporary olympic games global governing and Chinese liability research

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ABSTRACT

“Olympic Games” takes sports as basic ways, fuses culture, sports, life and other multiple aspects, its impacts also involve in multiple fields in society. Therefore, it needs to make global governing on contemporary Olympic Games, China as a major sports country, it also has abdicated responsibility. The paper applies numeric analysis algorithm, makes analysis of contemporary Olympic Games global governing and Chinese responsibility, carries on studies on modern Olympic Games development history, main countries joint management and self-management, Chinese doping checking quantities, Chinese different periods anti-doping management system and other orientations. Result shows Chinese major sports country image in international position has been gradually promoted.

KEYWORDS

Olympic Games; Global governing; Numerical analysis; Chinese responsibility; Doping.



INTRODUCTION

“Olympic Games” is presently human historically relative matured developed, widely coverage’s one kind of border-free properties’ sports cultural event. It takes sports as basic ways; fuses culture, education, life and others multiple aspects, its impacts also get involved in social multiple fields. With respect to this, Olympic Gams also reflect sports spirits (higher, faster, and stronger), it reflects sports essence, sports and people all-round development reflect a nation political, social, cultural and economic all-round development, and reflect a nation international positions.

Regarding Olympic Games development up to now, it also has gone through a series of reformation, when facing to politics, economy, culture and social backgrounds, Olympic Games also have certain impacts, especially for contemporary Olympic Games to adapt to modern society rapidly development, it also should retain its own uniqueness. Especially for current emerged Olympic Games professionalism, commercialization, doping usage, excessive scale and other problems, some western developed countries also have made a series of study on them. And meanwhile, Olympic Games also have inclinations of American-European Orientable Doctrine in international, which also limits Olympic Games cultural world natures such essence development.

In recent years, followed by Beijing of China hosted Olympic Games in 2008, it let Chinese main country image to be gradually promoted in international. Regarding Chinese Olympic Games development problem, Chinese some scholars have also carried on lots of researches, Olympic science also attracts more and more attentions, and domestic also correspondingly sets up some Olympic research institutions, as “humanity-Olympic research center”, “Beijing Olympic Games economic seminar” and so on these Olympic Games researches will further promote Chinese people knowledge and understanding of Olympic Games, and is also beneficial to China to promote Chinese diplomacy, economy, sports, society and other fields development by virtue of Olympic Games such international great impacts sports contest platform.

For contemporary historical evolution of the development of the Olympic movement, we make following summary, as Figure 1. It includes founded period, forming period, development and crisis, reform of the growth period, "Double and pattern" + human comprehensive development of development, perfectionism + amateur socialist development, the world and keep pace with the times of harmonious development, humanism + Reform and opening up +development of the concept of development.

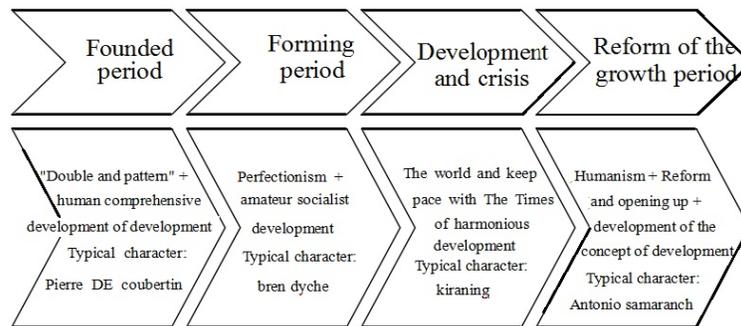


Figure 1 : Contemporary historical evolution of the development of the olympic movement

For modern Olympic Games development history evolution, Olympic Games also correspondingly appear some problems, therefore, it needs to make global governing on contemporary Olympic Games, and China also needs to participate in it. Here, it mainly studies Olympic Games global governing and Chinese responsibility by numerical analysis algorithm.

NUMERICAL ANALYSIS MODEL ESTABLISHMENT

Numerical analysis algorithm, as a mathematics subordinate discipline, it widely applies data statistical analysis, it mainly analyzes and researches on relative mathematics solution with computer, is a subjective part in computational mathematics. Use computer to solve corresponding engineering

calculation and all kinds of disciplines' numerical analysis algorithm (approximate evaluation method), make evaluation on solved result accuracy and how to realize its solution process in computer and so on. In numerical analysis method, all kinds of numerical values have been widely used in management science, information science, science and engineering calculation, life science and other interdisciplinary.

Numerical analysis algorithm computational principles and methods

For contemporary Olympic Games global governing and Chinese responsibility numerical analysis algorithm, it mainly analyzes modern Olympic Games development history, major countries joint management and self-management, Chinese doping checking quantities, China's different periods' anti-doping management system these aspects.

Numerical analysis algorithm specific process

Firstly, make comparison of China's different periods' anti-doping management system, list relations as following table, as TABLE 1.

TABLE 1 : China's anti-doping management system in different periods

Time	Starting stage Before 1992	First insight stage During 1992-98	Reinforcer first stage During 1998-2007	Perfection stage 2007-now
Functional structure	Unified government and institution, functional overlapping	Trinity of government, community and institution, functional overlapping	Functional differentiation, specialization of work	Functional differentiation, specialization of work
Major structure	Government and institution	Government, community and institution	Government, community and institution	Government, community and institution
Main features	Government controls all	Government controls all, combine government and society	Government dominants, combine government and society	Diversity, mutual help, cooperation, coordination
Management idea	Governing	Management and service	Management and service	Management and service

(Data source: Zou Xin-Xian and others' summary in "Chinese anti-doping management system and development research")

From 1990 to 2011, Chinese doping checking quantity list sorting, as TABLE 2.

TABLE 2 : China's doping checking quantity

No.	Year	Checking quantity (example)
1	1990	165
2	1991	731
3	1992	938
4	1993	1347
5	1994	1292
6	1995	1914
7	1996	2080
8	1997	3540
9	1998	3044
10	1999	3505
11	2000	3020
12	2001	4320
13	2002	3637
14	2003	4800
15	2004	4653
16	2005	6137
17	2006	9424
18	2007	10238
19	2008	10388
20	2009	12946

21	2010	11421
22	2011	11173

(Data source: Chinese Olympic Committee, Chinese anti-doping:2012:19)
 Correspond to above data, draw “black-white broken line figure”, as Figure2.

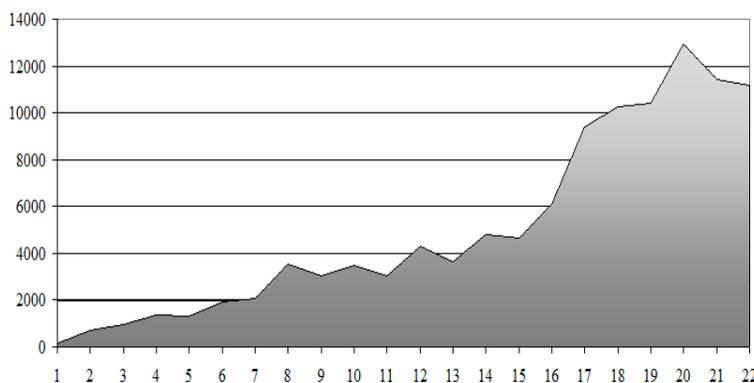


Figure 2 : The doping test number in China

Correspond to above numerical analysis, we can find that Chinese doping checkout cases wholly are in the rising trend, it arrives at most in 2009 that is 12946 cases, in the subsequent years due to national governing and national quality promotion, Chinese doping usage has been decreasing by year.

Global governing status

In international Olympic Games relative anti-doping management system, it goes through “self-management” and “joint management” two historical stages, with respect to this; it sorts out changes followed by time as TABLE 3, TABLE 4.

TABLE 3 : “Self-management”stage (year1961-1999)

Time	Main contents
Year 1961	With doping problems getting increasingly worse in international range, international organization committee of Olympic Games decided to set up subordinate sports committee and take organizing anti-doping works as one of its main tasks.
Year1968	International Olympic Committee released first lists of banned substance and banned methods, formulated doping checking rules, started to check and approve each country doping checking laboratory.
Since year 1968 winter Olympic Games	International Olympic Committee organized and implemented doping monitoring in competitions during previous winter and summer Olympic Games periods.
In September of1988	International Olympic Committee the 94 th whole meeting passed “International Olympic charter of disapprove using doping in sports”, it became first step important literatures for international anti-doping fighting history.
Year1991	International Olympic Committee started organizing and developing doping checking out of competitions in international range, international Olympic Committee also positive organized, sponsored anti-doping education and anti-doping monitoring methods researches, it made penalty contents on offenders under international Olympic committee leading and pushing.
During1988-1993	Successively organized and held “Regular world meeting on disapproving using doping in sports” for four times
20 th century 60-90s	International Olympic Committee, international sports federations played pioneering roles in planning rules, implementing checking, carrying on penalty, organizing and coordinating aspects.

In the 60-90s times of 20th century, international main anti-doping institutions structure can refer to Figure 3.

IOC (International Olympic Committee), International Sports Federations, National, regional Olympic committee.

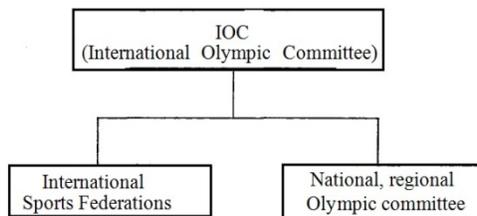


Figure 3 : Major international anti-doping agency structure

TABLE 4 : “ Joint management ” stage (from year 1999 to now)

Time	Main contents
Year1998	It occurred to collective using doping status that shocked international sports and each country media, and let people to doubt about international Olympic Committee anti-doping works, which let international Olympic Committee to get caught in unprecedented doping crisis.
In February, 1999	International Olympic Committee held first world anti-doping conference, to further strengthen global anti-doping fighting, it set up world anti-doping association (WADA).
In November, 1999	International Olympic Committee announced that “World anti-doping association” formally founded, headquarters was in Lausanne, it clarified world anti-doping association detailed allocation and fund sharing proportions and responsibilities of all countries in the world came to terms.
In January, 2000	World anti-doping structure held first international council conference, made important decisions of strategic significances on future tasks.
In August, 2001	World anti-doping institution council removed from Swiss Lausanne to Canadian Montreal. The move reflected world anti-doping institution independence.
In March, 2003	The second world anti-doping conference held in Copenhagen. More than 200 countries representatives jointly signed “Copenhagen declaration of disapproving using doping in sports”
In January, 2004	“World anti-doping regulations” formally implemented in national wide, which marked new international anti-doping management system was formal set up and started to operate.
In October, 2005	United national educational scientific and cultural organization the 33th session conferences passed “International convention of disapproving using doping in sports”, it is a general international constraint legal instrument.
In February, 2007	“International convention of disapproving using doping in sports” went into effect.

By above analysis, it is clear that international anti-doping has gone through a rough development process, therefore we analyze Olympic Games development theoretical system, as Figure 4.

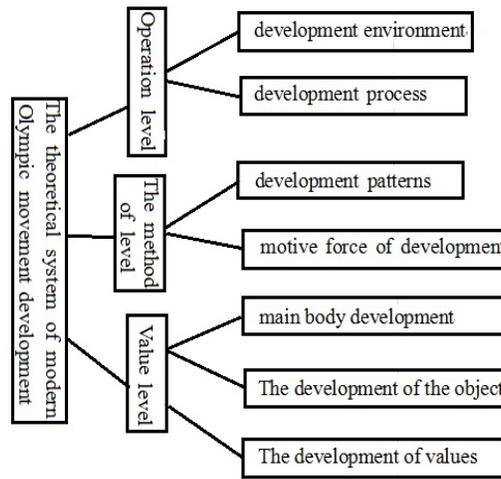


Figure 4 : The theoretical system of modern olympic movement development

In international large-scale sports competitions, management regarding anti-doping has gradually normalized, the involved countries have gradually increased, and meanwhile it also purifies large-scale sports competitions environment, and let Olympic Gamed to be more preferred by people.

Chinese responsibility

For contemporary Olympic Games global governing and Chinese responsibilities numerical analysis algorithm analysis, in this small section, it mainly analyzes and sorts modern Olympic Games development’s Chinese anti-doping regulations and organizing institutions, gets China and America some discrepancies in anti-doping, so that deepens Chinese anti-doping regulations’ concrete implementation ways.

Therefore, we first analyze American anti-doping institutions’ organizing structure, from which it includes board of directors, executive staff one person administrative office, chief executive officer one person (CEO), legal consultant and lawyer one person, CEO special assistant one person, senior director of technology information resources one person, senior business director and chief consultant one person, science and technology project four person, ministry of education seven person, the doping of supervision 14 person, IT department four person, legal department three person, operation department two person, and commercial finance department three person. Its structural figure is as Figure 5.

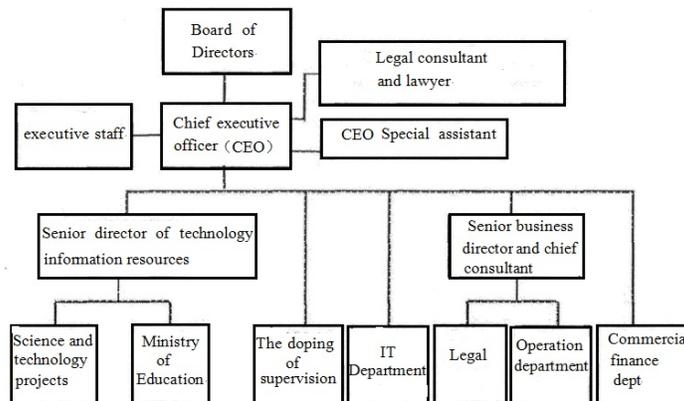


Figure 5 : The organizational structure of the anti-doping agency of the united states

Secondly analyze Chinese anti-doping management system, in China, it mainly has the unified leadership of the state council, government departments in charge of sports and the national anti-doping

work, other relevant departments cooperate together, the China anti-doping agency concrete implementation, national sports associations, local government, all relevant units. The concrete management institution is as Figure 6.

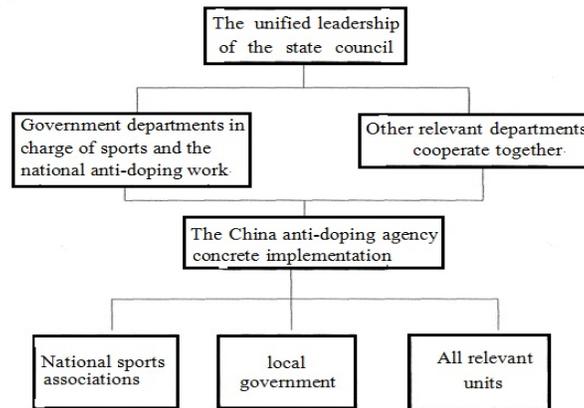


Figure 6 : China's doping control management system

From above analysis, it is clear that America is relative matured in anti-doping using management institution, is obvious higher than China, China should learn from America in these aspects, perfect relevant policies, establish effective implementation structure, so that can more effective implement Olympic spirits communication in China.

Result analysis

For contemporary Olympic Games global governing and Chinese responsibility numerical analysis algorithm’s analysis, here we can get that China’s main country image has been gradually promoted mainly from modern Olympic development history, main countries’ joint management and self-management, China’s doping checking quantities, China’s different periods’ anti-doping management system these aspects. We finally sort up from Olympic Games development some relationships; get general social development view and Olympic Games development view as well as existing problems, as Figure 7.

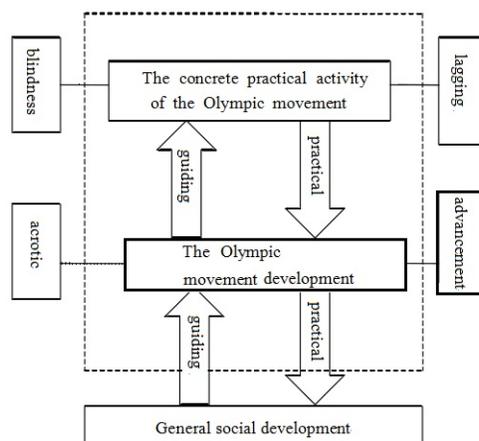


Figure 7 : General social development view and development view the relationship between the olympic movement and the existing problems

From Figure 7 analysis, we easily find that general social development view has guidance on Olympic Games development view, and meanwhile Olympic Games development view is practice of

general social development view; Olympic Games development view has certain guidance on concrete Olympic Games practical activities and meanwhile concrete Olympic Games practical activities has practical natures on Olympic Games development view. Therefore, it can get concrete Olympic Games practical activities have blindness and backwardness, and Olympic Games development view has superficiality and advancement.

CONCLUSION

“Olympic Games” takes sports as basic ways, fuses culture, education, life and others multiple aspects, its impacts also involve in social multiple fields. Therefore, Olympic Games also reflect sports spirits (higher, faster, stronger), reflect sports essence; sports and people all-round development reflects a nation politics, society, culture and economy’s all-round development, reflect a nation international position. Regarding Olympic Games development to now, it also goes through a series of reformation, when facing to politics, economy, culture and social backgrounds, Olympic Games also have certain impacts, especially for contemporary Olympic Games to adapt to modern society rapidly development, it also should retain its own uniqueness. Especially for current emerged Olympic Games professionalism, commercialization, doping usage, excessive scale and other problems, some western developed countries also have made a series of study on them. And meanwhile, Olympic Games also have inclinations of American-European Orientable Doctrine in international, which also limits Olympic Games cultural world natures such essence development. Figure 8 is some sketches in Olympic Games.



Figure 8 : The olympic movement

For contemporary Olympic Games global governing and Chinese responsibility numerical analysis algorithm’s analysis, here we can get Chinese major sports country image in international position has been gradually promoted from mainly modern Olympic Games development history, main countries joint management and self-management, Chinese doping checking quantities, Chinese different periods anti-doping management system these aspects.

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