

Research on Anti-corruption Theory under Big Data Environment

Lv Xia¹ Yang Bo²

Discipline Inspection Commission Office of Jiangsu University Zhenjiang City in Jiangsu Province 212013)

Office of Development and External cooperation of Jiangsu University Zhenjiang City in Jiangsu Province 212013)

Abstract

The breakthroughs in science and technology have pushed forward the social reforms. Punishing and preventing corruption under big data environment have become a new approach to building a clean government. How to learn from successful experiences to strengthen the legal regulations against corruption and to build an anti-corruption platform applying information technology suitable for China's national conditions under the big data environment is an important task for us.

Key words: big data environment; anti-corruption; legal regulations;

The big data is a large collection of information and data, unable to use manners of conventional information technology and hardware tools to perceive, manage and process. It features diversity, scale, value and high speed. With the evolvement of the Internet, anti-corruption is also done in the network and becoming increasingly pervasive. It can be seen that the big data offers a new platform for anti-corruption in an Internet age.

Network anti-corruption began from the earliest forum when the masses often reveal corruption cases by the way of the forum, post bar, QQ, microblog, WeChat and other media. The basic procedures are: netizens posting- topping or reprinting posts-being a heated issue-media tracking-official intervention-finding out the truth. For example, many corrupt officials including “House Uncle”, “House Aunt” and “Watch Cousin”

were all initially revealed by a network post. In these events, it can be seen that Internet supervision is like a seemingly invisible but “leak-proof” skynet, playing a significant uplifting role under the big Data environment. The launching of national netizens, media participation and government intervention have made a pile of "post cases" proven cases, highlighting the strong role of information network in anti-corruption. As the network applying IT has become the main channel of discipline inspection and supervision reporting, all over the inspection departments have taken the advantage of network to set up a more convenient, efficient and direct monitoring platform for the masses, forming a ubiquitous supervision network through the collective wisdom of the masses. Through the fragmented network reporting information and the use of big data “cloud governance” working concepts, the functions of departments such as finance, discipline and audit can be brought into full play, information exchange mechanism established, large data sharing achieved. By data analysis, screening and troubleshooting clues, listing, setting up accounts and classification, information network has been a new working model of “anti-corruption under large data environment.”

一、 The new situation of anti-corruption in a new period

(一) The new situation at home and abroad the traditional anti-corruption encounters

China is in the new period of opportunities and challenges in terms of anti-corruption work. We are exposed to the trend of globalization of the world economy in which the influence of international economic turbulence is greater, so the complexity in solving the problems of corruption has been increased and anti-corruption situations have become more severe. At present, applying IT to preventing corruption has become a new international anti-corruption measure and the corruption scandals of most Western government officials, senior officials in particular, are mainly revealed through the news media, especially the network. Under the background of the anti-corruption struggle, the innovation system of information publication under big data environment is undoubtedly providing a new model for anti-corruption work, playing the role of power balance and power supervision in the operation of administrative power.

The essence of corruption is to break away from the masses. A report of the 19th National Congress states “the current fight against corruption remains grim and complex and the determination to consolidate an overwhelming momentum and victory must be rock-solid. We must adhere to the principles: no exclusion zone, full coverage, zero tolerance and the heavy containment, strong high pressure, long deterrence, punishing behaviors of bribery and bribe-taking and resolutely preventing the formation of interest groups within the party.” According to the survey, although

the masses' satisfaction with anti-corruption work is increasing and their confidence in anti-corruption work also keeps rising, there are still serious corruption problems in the fields of education, medical treatment, environmental protection, safe production, food and drug safety, land expropriation, agricultural interests, law-related litigation and the like. Anti-corruption platform construction applying IT under the big data environment can make the anti-corruption system play its full role and publicize the moral construction of incorrupt governments in a large scope. It is of high instrumental value, something traditional and repeated means could not bring along with it. Therefore, we should unify thoughts and further strengthen and improve our sense of responsibility and urgency in the new situation of anti-corruption construction.

(二) Anti-corruption should be conducted with advanced technology.

In some countries, the news media is called “the fourth power” besides the national legislative, executive and judicial powers, while the informative network media is named the “the fourth media”. With the deepening of China's anti-corruption struggle, the Central Commission for Discipline Inspection requires practicing the “three transformations” (transforming functions, ways of work and work style) and promoting the implementation of “two responsibilities”(party commission bears major responsibility, discipline inspection commission supervision responsibility). The traditional anti-corruption model only with one-man show of the discipline inspection department has encountered a bottleneck and anti-corruption work needs the active participation of the supervised and the public, thus constantly introducing new measures. The innovation system of information publication under big data environment is undoubtedly a new model for anti-corruption work, and it will play the role of power balance and power supervision in the operation of administrative power.

二、 The major problems in China's anti-corruption construction work under big data environment

(一) The poor consciousness of strengthening anti-corruption construction in the big data environment to advance with the times.

Applying IT to anti-corruption, a creative way of anti-corruption work, is an important part of the clean government construction and anti-corruption work. At

present, the existing problems in understanding informative anti-corruption and legal regulations mainly include resistance to information means, weak awareness of information laws and not fully realizing the importance of strengthening anti-corruption work under the big data environment, coupled with the firm belief in “computers and website equal IT application”. All this leads to a low investment to IT application construction or lack of long-term strategic plans of anti-corruption construction in an era of IT application.

(二) The innovation of constructing the anti-corruption publicity new position is far from enough.

To construct the anti-corruption mechanism under the big data environment, what should be done is not only to accept the report of netizens, but also to enlarge the publicity and education, aiming to strengthen the momentum of anti-corruption publicity positions. For the time being, some discipline inspection and supervision departments unduly focus on doing cases but pay little attention to anti-corruption publicity and education work. Besides, ways of publicizing anti-corruption is not creative enough in the big data environment. Anti-corruption publicity and education in some places are lacking in innovation and deep thoughts. Their work only means issuance of documents, convening meetings and scheduling tasks, which lack of pertinence, timeliness and neglect the value of publicity and education under the big data environment, leading to the difficulty in embodying anti-corruption education effect.

(三) Applying IT to the anti-corruption legislation lags behind, and the fast development of IT application brings many challenges difficult to cope with.

For a country with a sound legal system, the legislation should be moderately made in advance. Undeniably, China's current legislation not only fails to advance with the times but also remains in such a lagging state that the law enforcers feel very confused, especially in the field of the anti-corruption with IT application. After more than 20 years of application and exploration of IT, China's IT application experiences have been basically formed and also its major problems have emerged. To cope with these problems, the coordination relationship should be standardized, IT application legislation urgently strengthened, but in the meantime, it frequently occurs that the Internet is abused in the process of anti-corruption. Due to the lagging of IT application legislation, many strategic decisions about IT application lack of legal

safeguards, and the infringements of rights and interests caused by the anti-corruption with IT application become a blind area of legal regulations in the information age, which damages the social credibility of information anti-corruption.

(四) Owing to the unsound acceptance mechanism of network reports, retaliation and human rights abuses have become serious phenomena.

In the Internet mode of the big data environment, it is a general trend to make full use of the positive role of network communication, to realize the connection between network anti-corruption and system anti-corruption, and to apply IT to monitoring and reporting. At present, there still exist some problems such as low rate of cases closed on the network and the insufficient network interaction. With the increasing efforts of national anti-corruption and the continuous improvement of public participation in legal supervision, people's enthusiasm for reporting keeps increasing, but it is accompanied by incidents of retaliation against informants and the infringement of privacy. Among them, different kinds of "indirect retaliation" against informants are difficult to define and remain in the "blind angle" of legal relief all the time, because its means are seemingly "lawful". Likewise, the untrue content, personal attack and malicious framing arising out of the network report, coupled with arbitrary reprints of Internet users, may infringe upon the legitimate rights and interests of others and even lead to making rumors, spreading rumors, believing in rumors, whose deterioration has increased social disharmony and uncertainty, even mass events.

(五) The anti-corruption team applying IT needs to be strengthened due to the shortage of technical personnel.

Applying IT to disciplinary inspection and supervision reporting and the anti-corruption work under big data environment has put forward higher requirements to its staff that they not only have high political consciousness, but also have higher professional technical ability of information anti-corruption as well as keen insight. Cultivating a contingent of good command of both discipline inspection work and IT serves as an important basis of applying IT to anti-corruption work in large data environment. As a whole, in our country, the varying quality of the team applying IT to their anti-corruption work, the shortage of existing institutions and staffing, the poor supervision and the weak anti-corruption team in the grassroots discipline Inspection department have restricted the IT application of anti-corruption work.

三、 Measures to promote the construction of anti-corruption and building a clean government in applying IT under the big data environment

(一) Great importance is attached to strengthening the legal regulation work of anti-corruption under the big data environment.

The 19th National Congress of the Communist Party of China stressed that "no place has been out of bounds, no ground left unturned, and no tolerance shown in the fight against corruption. We have taken firm action to "take out tigers," "swat flies," and "hunt down foxes" The goal of creating a deterrent against corruption has been initially attained; the cage of institutions that prevents corruption has been strengthened; and moral defenses against corruption are in the making. The anti-corruption campaign has built into a crushing tide, is being consolidated, and continues to develop. The anti-corruption movements since the 18th CPC National Congress showed that the warning that corruption will "destroy the country" did not stop at the verbal declaration, and "no tolerance" of corruption will create "high pressure" and "iron hand" in practice. In the Internet plus big data environment, to push forward legal construction of anti-corruption, we must build a new front for combating corruption and upholding integrity, and gradually grasp the initiative in the entire process of applying IT so as to play a leading role in network, and use the Internet under legal regulations to promote construction of ethical party and clean government and anti-corruption work.

(二) Guided by the theory of socialism with Chinese characteristics in the new era of Xi Jinping, a new position for advocating and education is to be built by taking advantages of network under the big data environment.

The 19th CPC National Congress proposed that "We will work for the adoption of national anti-corruption legislation and create a corruption reporting platform that covers both disciplinary inspection commissions and supervision agencies." It is an inevitable requirement for the current discipline inspection and supervision work to use information technology actively, thus adapting to modern development and advancing with the times. It is the need for the development of the situation that disciplinary inspection cadres deeply implemented the "Three Changes" requirements to apply modern information technology into practice of work. At present, China's disciplinary inspection and supervision system has established a unified network platform and discipline inspection and supervision departments at all levels should, on this basis, take advantages of Internet plus publicity under the big data environment and build a new anti-corruption position for legal publicity by the way of innovating and constantly changing management methods.

(三) Improving construction of legal system and establishing a legal security system to fight against corruption and build a clean government in applying IT.

To strengthen online anti-corruption effects under big data environment, legal security is the key. At present, we should complete the construction of laws and regulations, providing a legal system for online anti-corruption under big data environment, which can lead citizens to enjoy their rights in a more orderly, more formal and more legitimate way. First, these untimely stipulations under big data environment shall be amended, ensuring that we can carry on online anti-corruption campaign smoothly; Second, in view of the reality of big-data online anti-corruption, we should formulate and issue related laws and regulations to fill the legal loophole; Third, We must step up enforcement of laws and regulations on anti-corruption in big data networks, we must earnestly abide by the law, strictly enforce the law and punish those who violate the law, especially in those cases where defendants are wrongly abused, serving as a warning for someone vicious. Fourth, we should establish a system for collecting, judging and solving online anti-corruption information under big data environment. As for the information related to the disclosure of corruption incidents, the network public opinion leaders shall review the information in accordance with the prescribed procedures to prevent the spread of false information and prevent the occurrence of such problems as disclosure of cases and interference in investigation.

(四) Proposing the establishment of anti-corruption big data research center

To conduct anti-corruption work, the great opportunities brought by big data should be seized. It is suggested that the central commission for discipline inspection establish an anti-corruption big data research center and a big data analyzing team, set up the database, and do big-data analysis. Big data source mainly has two sources: one is the masses through the official network information reporting center to expose corruption; As for those real-name report, we obey the principle of "investigate, check and answer". The other one is anti-corruption "Revelations" on Microblog, WeChat, BBS, search engine, social networks and private websites, including online logs, pictures, audios and videos. Big data research center collects, processes and analyzes these statistics which will become important basis of anti-corruption works.

(五) Establishing and improving the warning mechanism of online anti-corruption by means of anti-corruption warning level management

Under the current situation, we lack suitable solutions to early detection, early prevention, early treatment, corruption prevention, and protection of cadres. Based on the big data environment, the "subtle" anti-corruption campaign aims to "cure people", effectively protect leading cadres and improve the leadership of leading party and government officials. Establishing anti-corruption database for those officials who have been reported to corrupt and according to the severity of the corruption, they are

divided into four levels: the general (I), mild (II level), the heavier (III) and severe (grade IV), and, in turn, with green, yellow, orange and red to represent. Scientific analysis shall be carried out among personal fragmented information of leading cadres to capture clues behind “network noise” and “network complaints”. Then we can take control of precise corruption evidences of corrupt officials and establish anti-corruption warning mechanism. The discipline inspection and supervision departments at all levels shall, in accordance with the warning mechanism, talk to cadres of party members at the general level of corruption, and timely criticize them and remind them of their mistakes; For officials at the low level of corruption, speak to them and stop them going into the abyss of corruption; For officials at the high level of corruption, adopt double provision; For officials at the serious level of corruption, take timely measures, strike accurately, recover losses and rebuild image.

(六) Building a professional team of discipline inspection and supervision is an important personnel guarantee.

In the big data environment, the construction of anti-corruption system is inseparable from human factors. It is necessary to continuously strengthen research and training, vigorously cultivate innovative talents and strengthen the soft power of big data network anti-corruption. At present, although the information collection, transmission, processing and other aspects have a qualitative leap, deep data analysis ability and the comprehensive application still lags behind, which is the "soft rib" of discipline inspection works. To develop a high level of big data network anti-corruption work, we need to cultivate excellent big data online anti-corruption personnel who are good at exploring data, continuously improving their ability of data analysis and data processing. And we need to fully study those possible emerging situations and problems, hence we can cultivate talents who meet the requirements of the era and provide technique support for online anti-corruption in big data environment.

(This paper is the research result of specific project of discipline inspection and supervision of philosophy and social science research of Jiangsu, project number: 2015SJA026)

REFERENCES:

- [1] Xi Jinping. A report on the 19th National Congress of CPC delivered by Xi Jinping, on behalf of the 18th Central Committee: Remain true to our original aspiration and keep our mission firmly in mind, hold high the banner of socialism with Chinese characteristics, secure a decisive victory in building a

moderately prosperous society in all respects, strive for the great success of socialism with Chinese characteristics for a new era, and work tirelessly to realize the Chinese Dream of national rejuvenation.2017.10.18.

- [2] Guo Chuangrui.On the Government Information Disclosure Under the View of Anti-corruption[J].Legal System and Society,2008 (04) : 226-227.
- [3] Ming Yan.Reflections on Strengthening Legal System on Anti-corruption[J].Consume Guide,2009(23):145.
- [4] Mu Juan.Reflections on the scientific construction of anti-corruption[J].New West (the second half of the month),2010 (03) : 21-22.
- [5] Xi Jinping delivers a keynote speech at the opening ceremony of the world Internet conference (full text),2015-12-16.
- [6] Guidance on actively promoting the "Internet plus" initiative,2015-7-4.
- [7] Wu Hequan.Opportunities and challenges in the age of big data[J].Qiushi,2013(4).

About the Author

Lv xia (1980 --), female, a native of Changshu city, Jiangsu province, office of Discipline Inspection Committee of Jiangsu university, associate researcher, master of computer application technology, culture construction of clean government, network ideology and politics education.

YangBo (1980--), female, a native of Huaibei city, Anhui province, Office of Development and External cooperation of Jiangsu University, lecturer, Management of Ideological and Political Education.

