

From SDGs Monitoring to Decision Making

- Deqing's Three Year Action Plan

Hao Chen¹ Jun Chen² Shu Peng² Bingliang Cui³

¹Hunan University of Science and Technology

² National Geomatics Center of China,
Ministry of Natural Resources

³ Alpha(GuangZhou) Co., Ltd., China

Oct.21th, 2019, Deqing, China

Contents

1、 Methodology

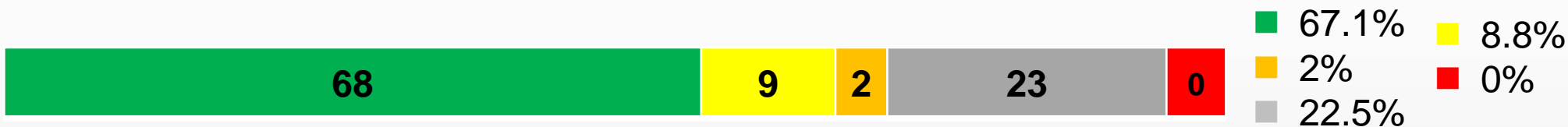
2、 Formulating SDGs Action Plan

3、 Outputs and future works

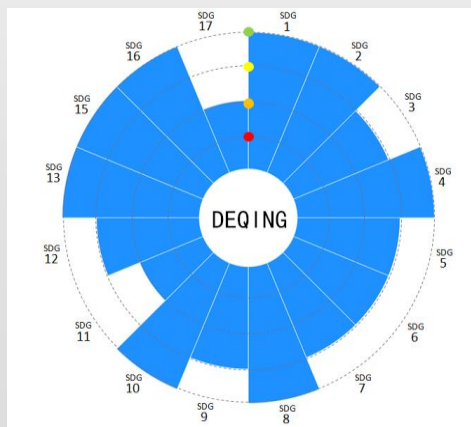
4、 Summary

The Result of SDGs Monitoring in Deqing

Indicator Ranking (指标评价)

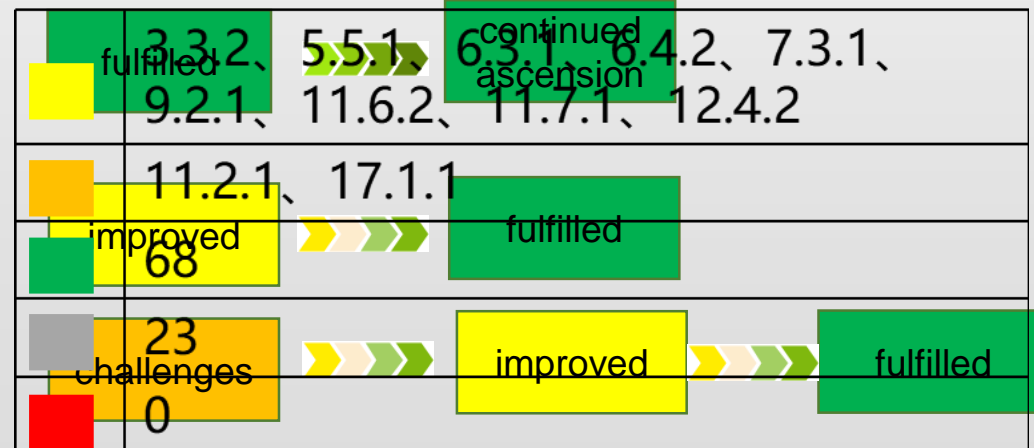


Single SDG Assessment Ranking (单目标评价)



- **8** SDGs basically fulfilled
- **6** SDGs need to be improved
- **2** SDGs are facing challenges
- **0** SDG is far behind

Next step



“From Measurement to Action”

Three types of knowledge: Present Situation Knowledge, SDGs knowledge, and Transformation Knowledge

CHINA (DEQING) SDGs KNOWLEDGE SERVICE SYSTEM

In September 2015, the United Nations put forward the Agenda for Sustainable Development 2030, which requires all countries in the world to achieve coordinated development of economic growth, social inclusion and the environment by 2030. Taking Deqing as an example, this system introduces the progress of sustainable development agenda in a county-level city in eastern China.

>20 min

Present situation knowledge



Action plan

关于德清县深化践行 2030 年可持续发展议程 2019 年推进计划
(征求意见稿)

2019 年是新中国成立 70 周年,是决胜全面建成小康社会第一个百年奋斗目标的关键之年,也是德清县深化践行 2030 年可持续发展议程的重要之年。为了充分释放地权红利,更好的推动我县经济、社会、环境三方面可持续发展,根据《关于德清县深化践行 2030 年可持续发展议程实施意见》,结合我县实际,制定如下推进计划:

一、总体目标

全面贯彻党的十九大精神和习近平新时代中国特色社会主义思想,紧紧围绕高质量发展要求,充分发挥联合国地权大会溢出效应,深化《德清践行 2030 年可持续发展议程进展报告》(下称《报告》),围绕“一五六”工作体系,更好的护航绿水青山。

- Increase the number of bus stops and optimize its layout
- Improve the road network
- Increase the number of buses

20 min 100% Area 100% Population

Transformation knowledge



1 NO POVERTY

Indicator 1.4.1

11 SUSTAINABLE CITIES AND COMMUNITIES

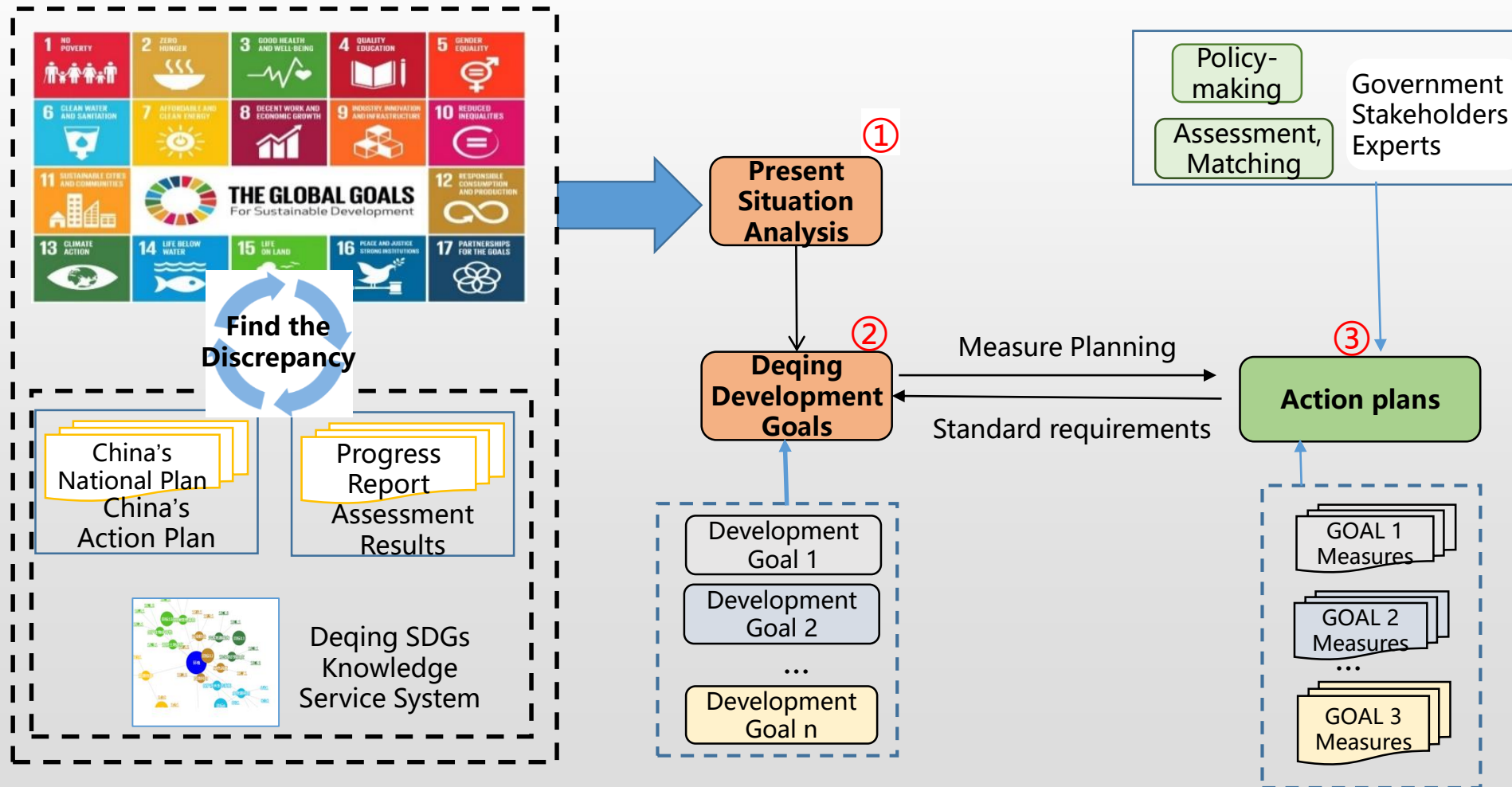
Indicator 11.2.1

Convenient public transport service <20 minutes

Goal knowledge

Technical Process

Through comparison and analysis of the current situation, the local development goals are obtained, and the action plan is formulated.



Contents

1、 Methodology

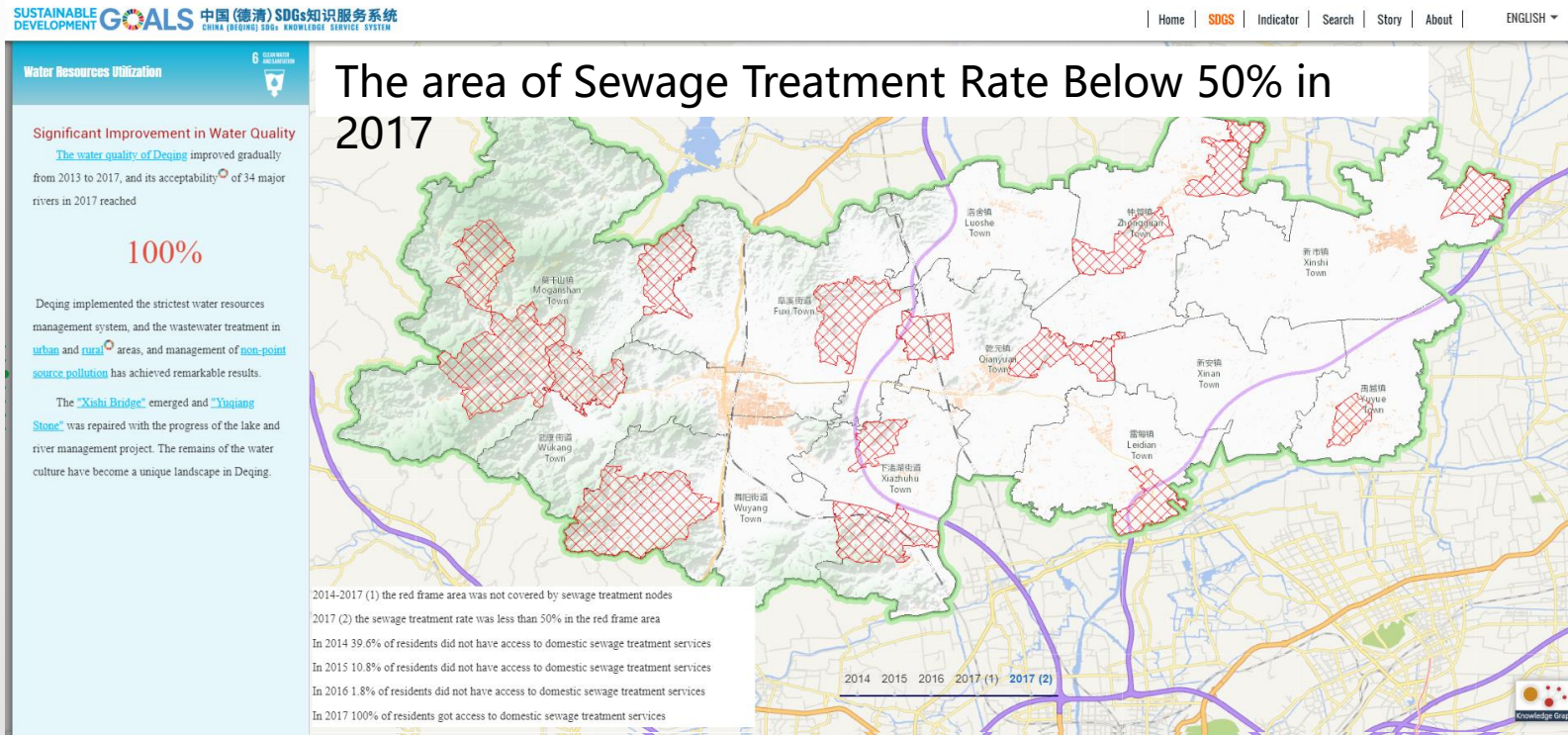
2、 Formulating SDGs Action Plan

3、 Outputs and future works

4、 Summary

Action plan—Case 1

Goal 6: Rural sewage treatment



Qualitative Analysis

Rural sewage treatment coverage has room for further improvement.

Three years- Development Goals

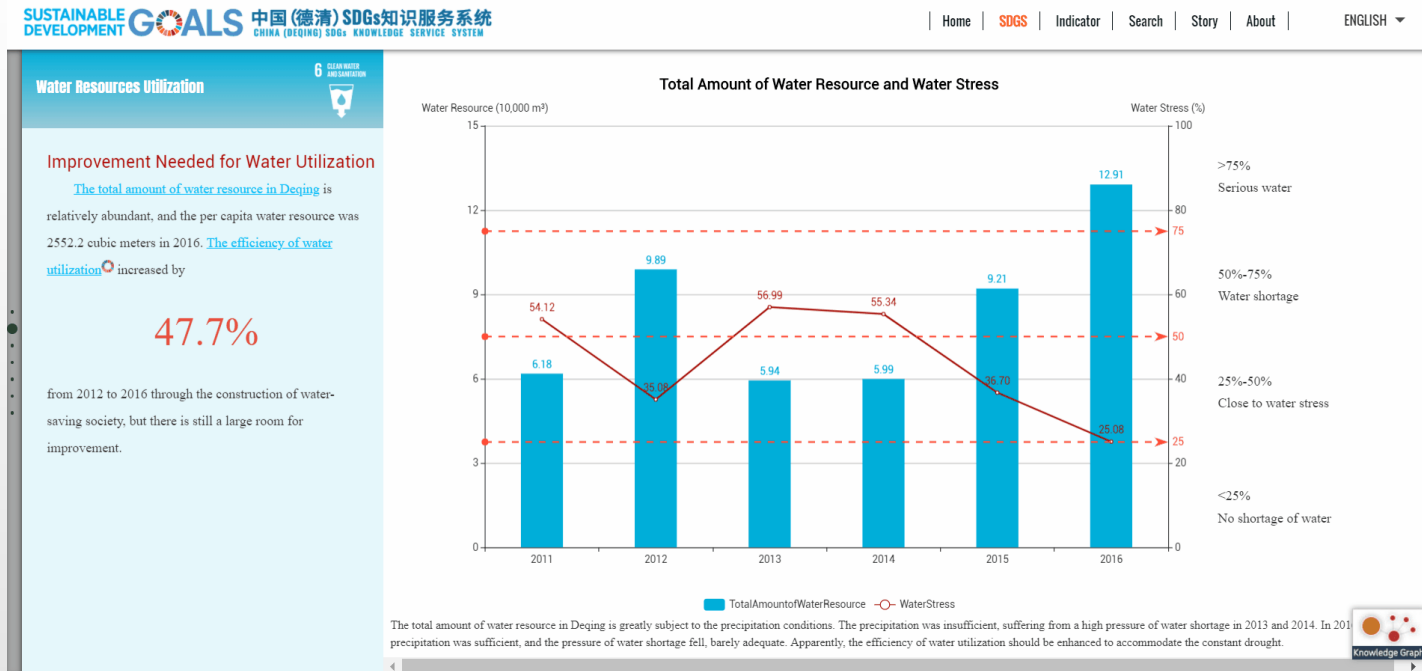
Improve sewage treatment system

Action Plan

Accelerate the construction of sewage pipe network and the new renovation and expansion of sewage treatment facilities. To achieve full coverage, full collection and full treatment of sewage treatment in the county.

Action plan—Case 2

Goal 6: Water Utilization



Qualitative Analysis

Water use efficiency is not high and needs to be improved. There is a potential shortage of water.

Three years-Development Goals

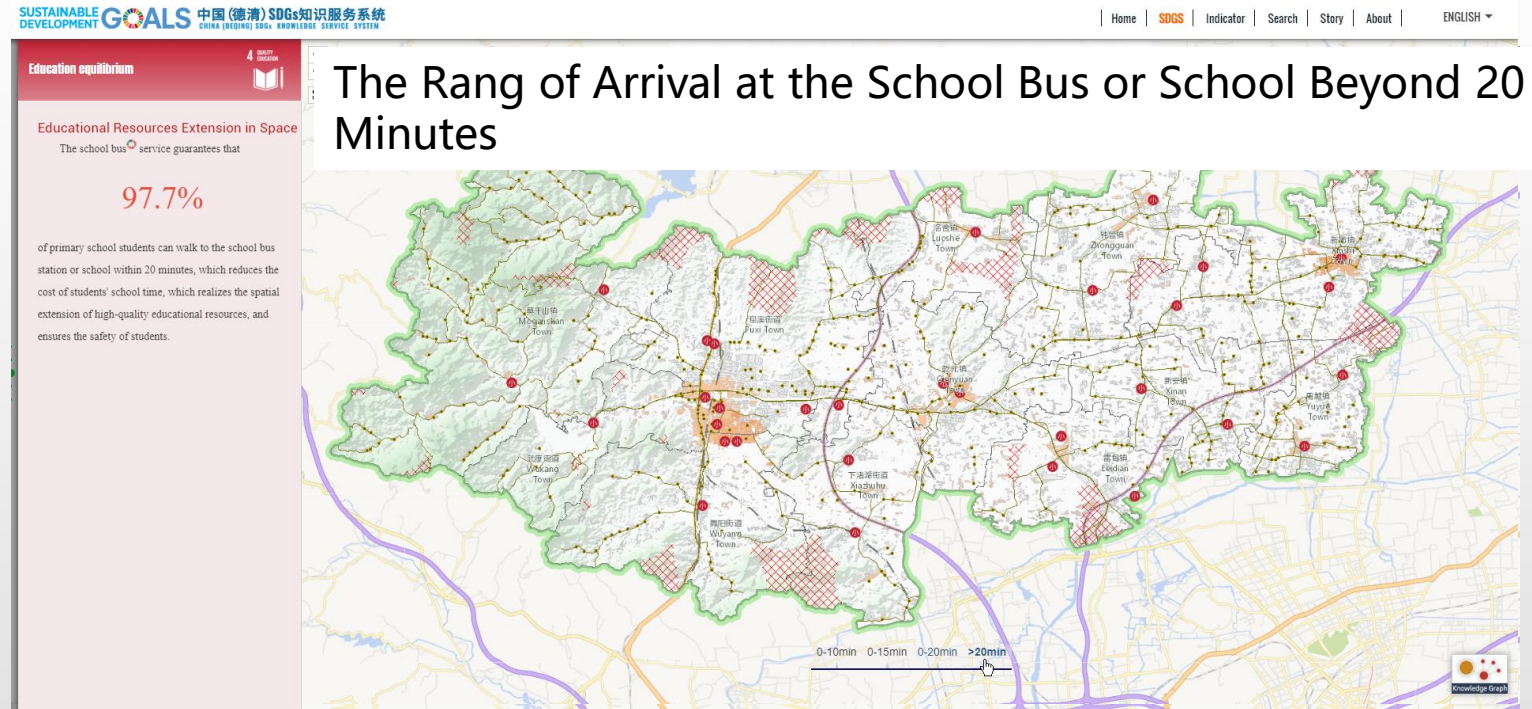
build saving society comprehensively, improve water use efficiency, and optimize the total amount and intensity of water resources consumption.

Action Plan

Accelerate implement the strictest water resources management system, strengthen water demand and water use management, and implement dual control actions on total water consumption and intensity; Improve the efficiency of municipal water use and encourage water conservation for all.

Action plan—Case 3

Goal 4: School bus



Qualitative Analysis

There is still room for further improvement in school bus coverage



Three-years Development Goals

Improve the optimal allocation of various educational resources such as school buses

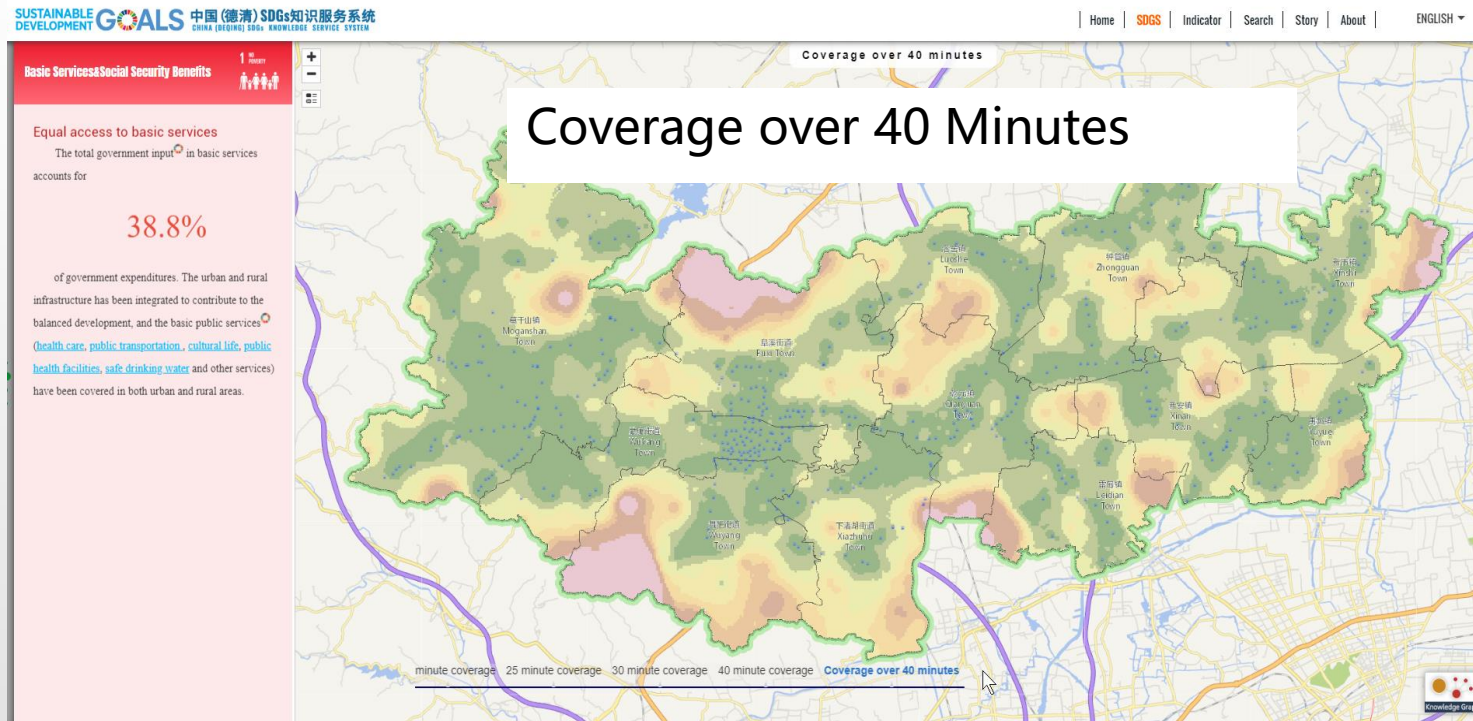


Action Plan

Increase the school bus station so that the school bus service can achieve full coverage of the county. Reasonably optimize the layout of school bus stations, improve the information management level of school buses, and further improve service quality.

Action plan—Case 4

Goal 1: public Transportation



Qualitative Analysis

Public travel services need to be further improved.



Three-years Development Goals

Increase the supply of public services, improve the quality of public services, and gradually achieve the equalization of basic public services.



Action Plan

Promote the reconstruction of key roads, improve the quality of rural roads, improve the public transportation system, and realize the proportion of the population that can easily use public transportation (90% of urban areas (built-up areas) and 60%-80% of rural areas).

Action plan—Case 5

Goal 15: Forest Cover



Qualitative Analysis

Forest protection and restoration in ecologically sensitive areas such as Moganshan Scenic Area needs to be strengthened

Three-years Development Goals

Rehabilitate forests and strengthen the construction and protection of ecologically sensitive areas

Action Plan

Strengthen the construction and protection of ecologically sensitive areas such as nature reserves, and standardize the orderly development of hotels

Contents

1、 Methodology

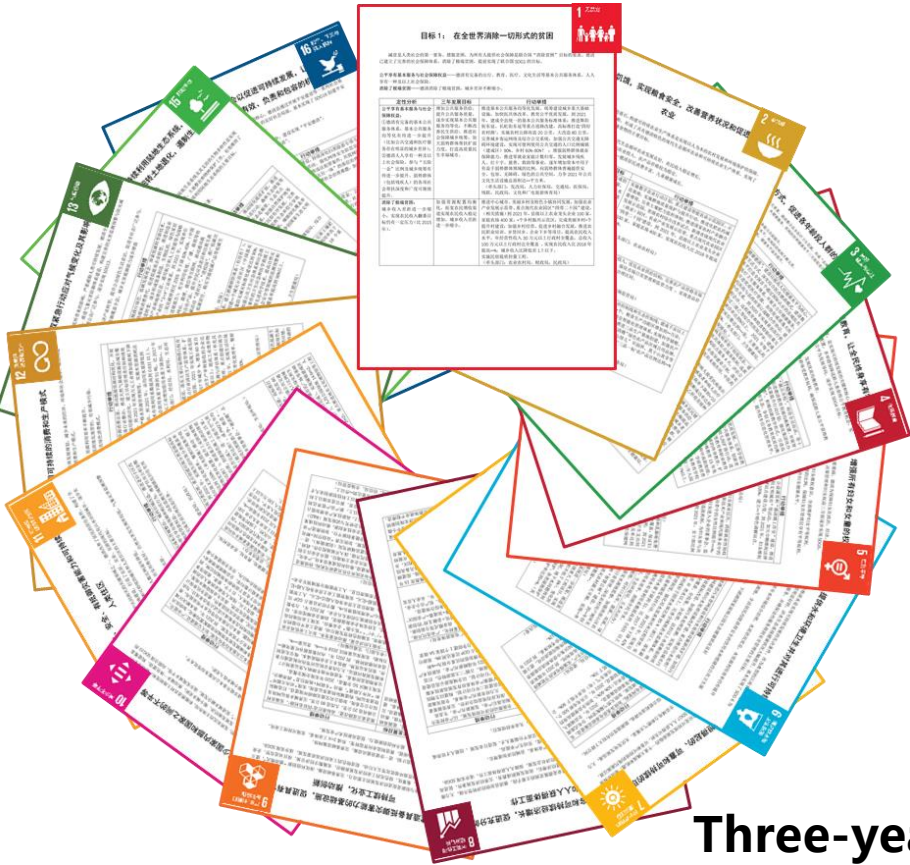
2、 Formulating SDGs Action Plan

3、 Outputs and future works

4、 Summary

Formulate The County Level Plan

Formulate “Deqing’s county level Plan on Implementation of the 2030 Agenda for Sustainable Development”



Three-years Local Development Goals:

44

Action plans:

86

6 CLEAN WATER AND SANITATION

【GOAL 6】



Ensure availability and sustainable management of water and sanitation for all

Practicing SDG6 in Deqing

Water is the source of life. Deqing, as a canal Towns in south of the Yangtze, is abundant with water resources. The water quality has been improved significantly and the health conditions of the water-related ecosystem have been greatly enhanced through the comprehensive water resources management

- ◆ **Water Resources Utilization** -- The water enjoys a fine quality, still there is room for improvement in efficiency of water utilization.
- ◆ **Safe Drinking Water and Sanitation** -- All residents have access to safe drinking water and convenient public health services.
- ◆ **Protection of Water-related Ecosystems** -- The water-related ecosystem has been effectively protected, and the ecological health of Xiazhu Lake National utilization Park has been in good condition.

Practicing SDG 6 in Deqing

Qualitative analysis	Three-year development goal	Action plan
Water Resources Utilization: ①The treatment rate of urban living and industrial sewage needs to be improved; ②The quality of water environment is generally good and can be further improved; ③Water use efficiency is not high and nee	Deepen the "five water co-governance", improve the sewage treatment system, comprehensively improve the environmental quality of the county water bodies. Build the water-saving society, improve water use efficiency, and optimize the total amount a	Continue to promote and accelerate the construction of sewage pipe network and the renovation and expansion of sewage treatment facilities. Focus on the improvement of clean discharge standards for sewage treatment plants. Strengthen sewage treatment monitoring to achieve full coverage, full collection and full treatment of urban sewage treatment in the county. The water quality section above the county level is continuously maintained above the Class III water. Improve the global surface water mo

Qualitative Analysis

Three-years Development Goals

Action Plans

Our Respect

2028 Indicator Ranking

68-76

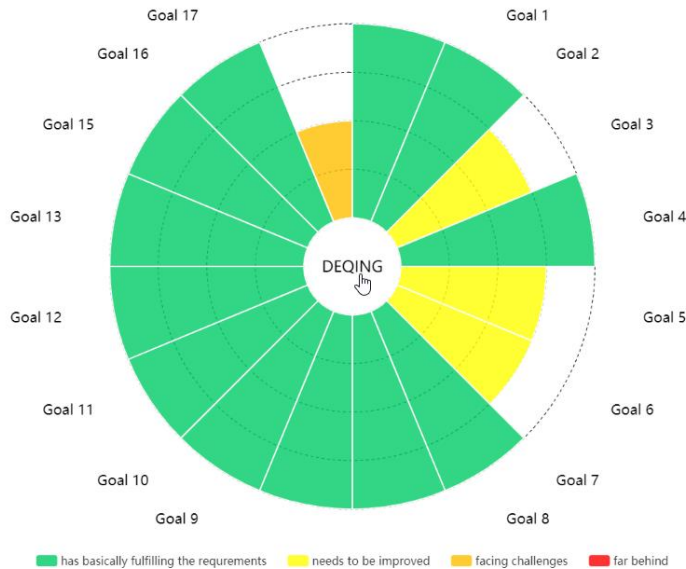


9- 3

■ 67.5%
 ■ 8.9%
 ■ 1.0%
 ■ 22.5%
 ■ 0%

2- 1

2028 Single SDG Ranking



- ■ 8 SDGs basically fulfilled 8-12
- ■ 6 SDGs need to be improved 6-3
- ■ 2 SDGs are facing challenges 2-1
- ■ 0 SDG is far behind

Contents

1、 Methodology

2、 Formulating SDGs Action Plan

3、 Outputs and future works

4、 Summary

Summary

- ① **Through the assessment results and knowledge service system, local policy-makers can formulate decisions and action plan.**
- ② **It is not a rapid process. Practicing the sustainable development goals is always on the way.**

Thank you !

Hao Chen¹ Jun Chen² Shu Peng² Bingliang Cui³

¹Hunan University of Science and Technology

² National Geomatics Center of China,
Ministry of Natural Resources

³ Alpha(GuangZhou) Co., Ltd., China

Oct.21th, 2019, Deqing, China

