



UNGEONOW 2025
第二届联合国地信周



案例展示 Practice Case show

超大城市IGIF实践框架（中国重庆）

Implementing the UN IGIF in Chongqing: A Mega-City Perspective

Dongsheng Sang

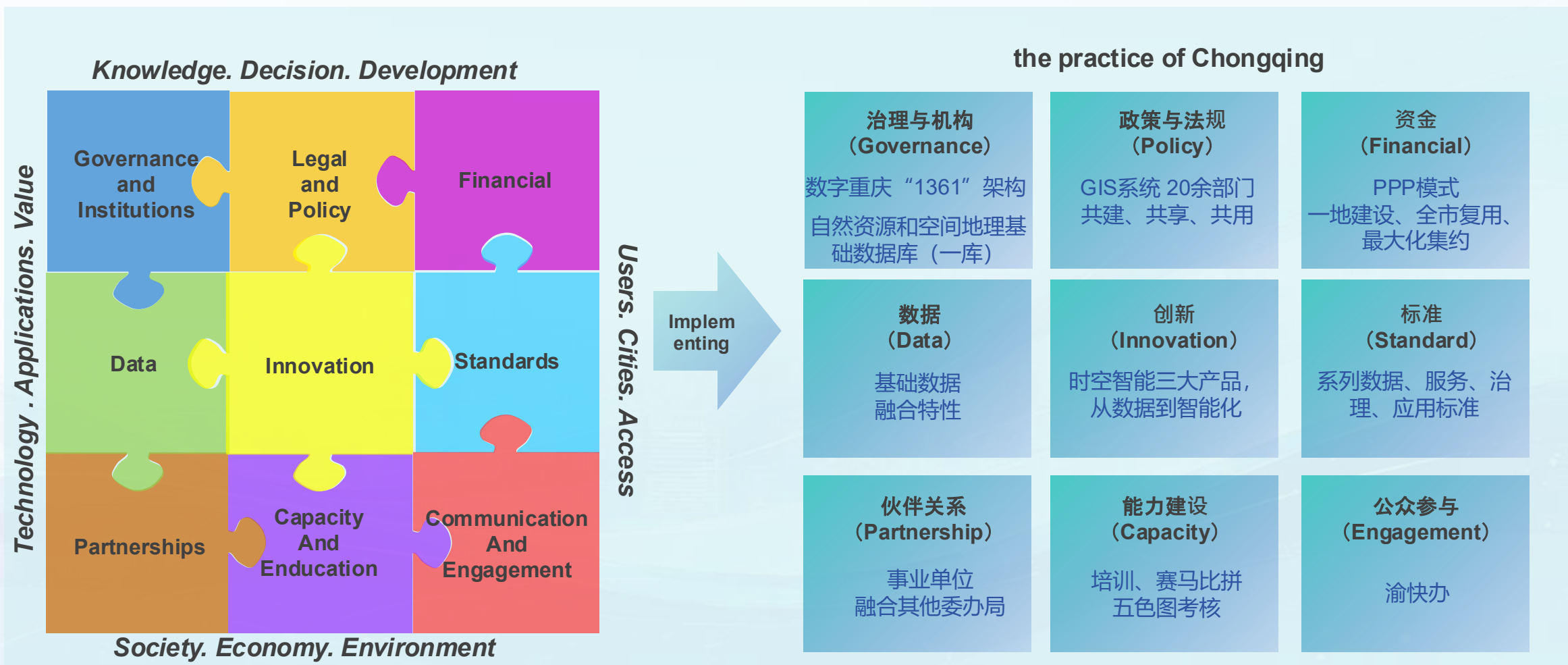
Deputy director, Chongqing Planning and Natural Resources Bureau

Deqing, China 2025.10.22



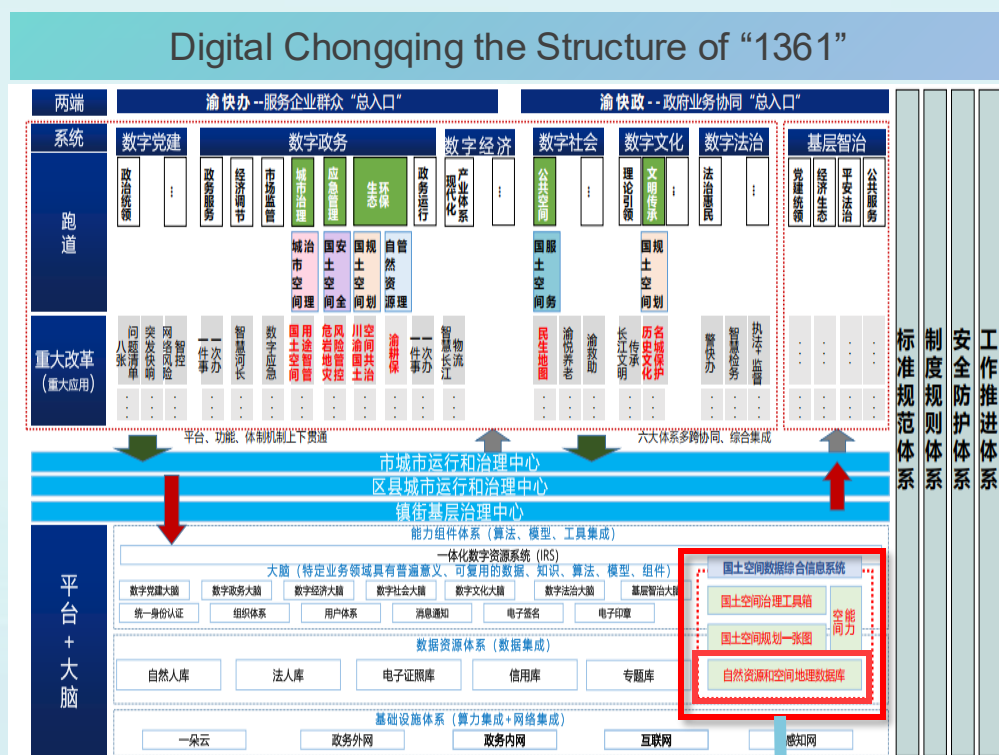
Implementing the UN-IGIF in Chongqing

We are fully aligned with and actively implementing the United Nations Integrated Geospatial Information Framework (UN-IGIF). The framework has been systematically integrated into our urban-governance architecture, and we have undertaken a series of localization pilots and adaptations.



Governance and Institution

We have established a unified digital platform that integrates all public data, positioning geospatial data as the central hub that connects various data types. This platform is co-developed and shared by over 50 departments in Chongqing, breaking down data silos.



重庆市国土空间数据综合信息系统

DATABASE

一库

自然资源和空间
地理基础数据库

MAP

一图

“多规合一”国土
空间规划一张图

TOOLBOX

一箱

国土空间治理工
具箱

自然人基础库

法人基础库

电子证照基础库

信用基础库

一标三实融合



五库融合

实景图



专题图

Policy

We have institutionalized the concept of full life-cycle data management and clarified the rights and responsibilities of all parties through the legal and regulatory frameworks.

重庆市科技伦理 审查操作规范指引

Chongqing Operational
Guidelines for Scientific and
Technological Ethics Review

数据安全法

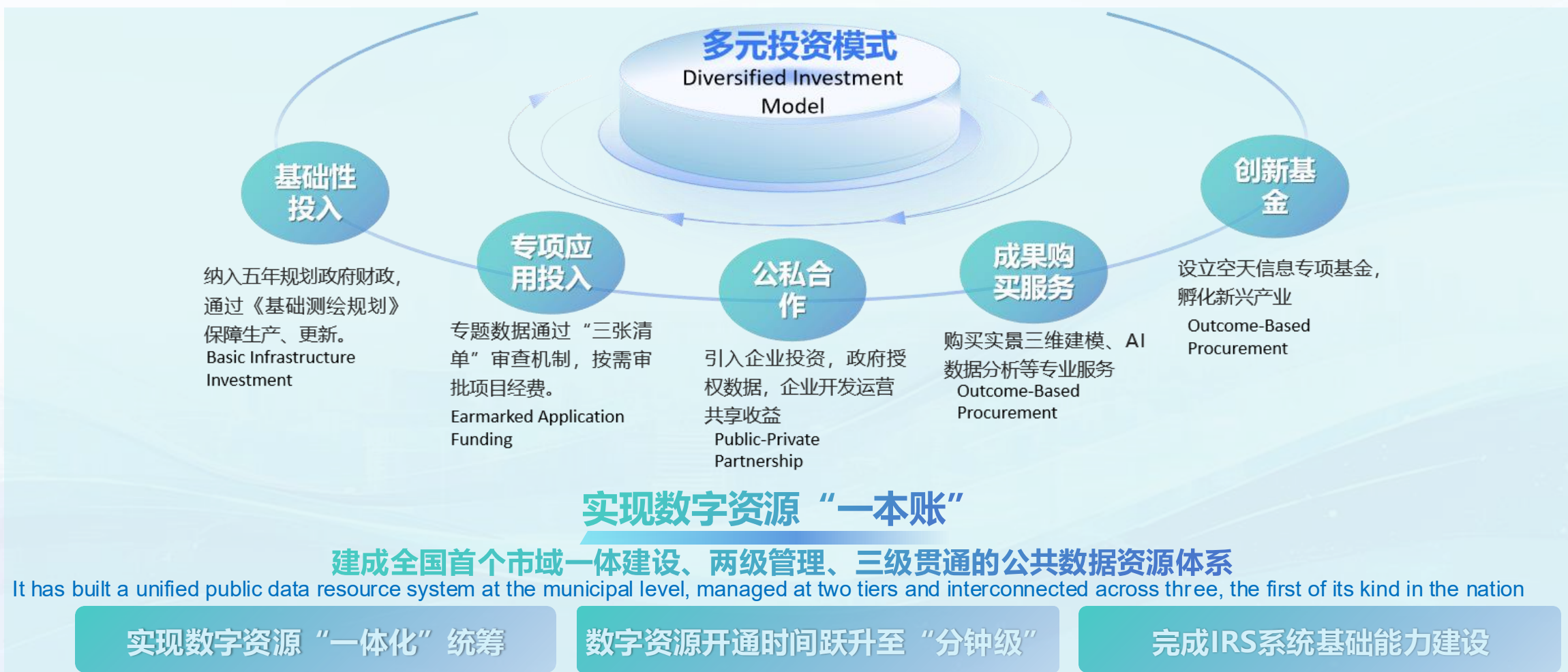
Data Security Law

重庆市数据条例

Chongqing Data Regulations

Financial

We have established a diversified investment model to ensure that data is created only once.



Data

We have developed a real-scene 3D platform featuring dynamic updates, encompassing all 1,039 towns and sub-districts across the city. This advancement has enabled the creation of a digital twin city, which is integrated with the economy and industries, dynamically generating over 100 thematic maps.

自然资源和空间地理基础 数据库

Natural Resources and Spatial
Geography Base Database

完成数据归集800类
涵现状规划、管理、社会经济
四类数据
累计调用超亿次

围绕自然资源治理
国土空间规划
国土空间安全
国土空间服务
城市空间治理
五大方面



推动

超大城市治理数智融合
实景呈现

Immersive Scenarios for AI-Enhanced
Governance of Megacities

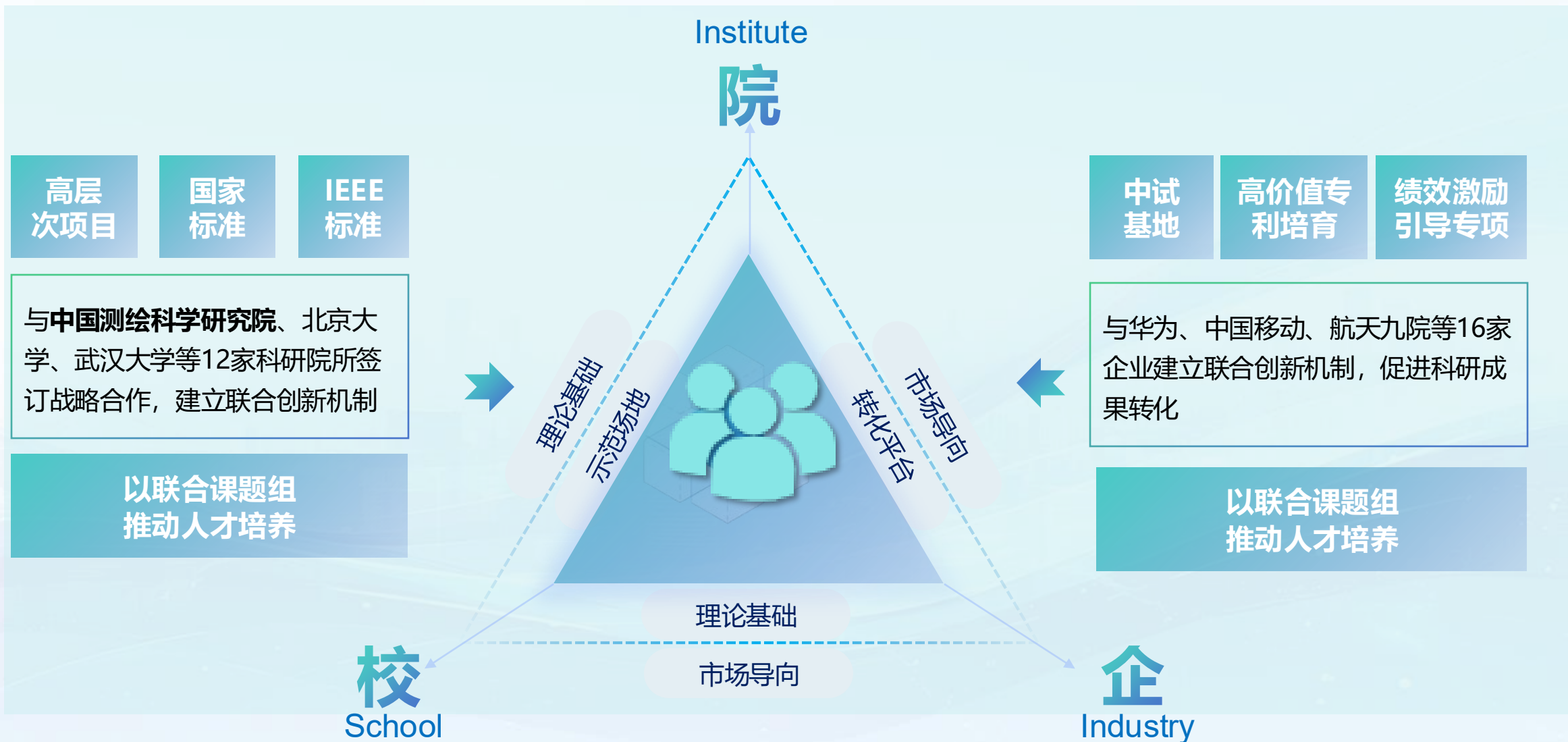
支撑

全市
1031个镇街
40余部门
122余个应用场景

Across 1,031 towns and sub-districts,
involving over 40 departments and more
than 122 application scenarios

Partnership

We have established diverse innovation partnerships, facilitating collaborative development tailored to real-world scenario needs.

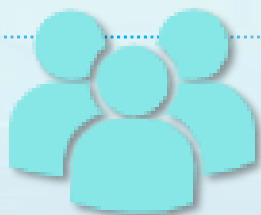


Communication and Engagement

Strengthen public participation, transforming citizens from service recipients into collaborators and contributors to governance.

“渝快办”

Launch
"Yukuaiban"
Application



推动“易办”

建成“高效办成一件事”专区

集成“一件事”85个

加快公积金和医保等APP整合

新接入便民服务事项207个



打造企业与个人专属数据空间

实现纸质材料免提交

推动“智办”

建设专用智能体“渝小智”

上线12个智能审批
政务服务事项

停车场备案

公共场所卫生许可

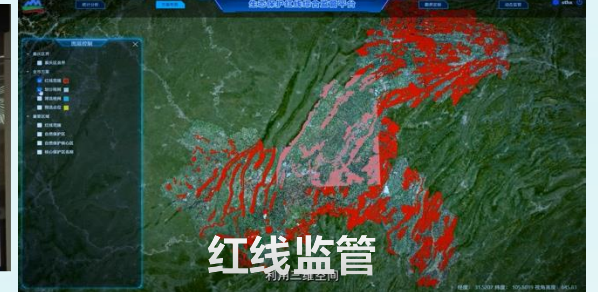
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优化智能搜索、智能预填等功能

大幅提升办件审核效能

Application:

We have successfully implemented over 300 application scenarios.



Application: Disaster prevention

We have established citywide real-time monitoring and linked early-warning coverage for 4,208 small watersheds.

431处

已查明危岩
unstable rock

2608个

雨量站
precipitation station

4208处

小流域
watershed

66077个

斜坡单元
hillslope unit

36处

预警处置险情
warning disposition

329户

避免伤亡
Casualties

848人

避免伤亡
prevent casualties

10余次

专题报道
special report



Application: 15-minute community

Across the central districts, we are developing 915 high-quality, 15-minute community zones.



Application: Address livelihood issues

We collected 2.4 million public feedback records, handled 647 cross-departmental cases, and sustained a public satisfaction rate exceeding 95%.

public sentiment

社情民意

241万件

AI robot
AI机器人

260个

AI

数智网格员

Community Coordinator

AI

视频

AI video

多渠道一体响应
有诉即应

feedback

全流程智能辅助
快转好办

easy done

resolution rate
一次性解答率

90.8%

satisfaction level

满意度保持

95%



Future

We will continue to deepen the local practice of UN-IGIF and share this **mega-city exploration plan** as a replicable technical pathway and governance paradigm globally. We have systematically documented the UN-IGIF practice case in Chongqing, compiled a **Blue Paper**, and shared it globally.

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A Mega-City Perspective

重庆市规划和自然资源局

重庆市测绘科学技术研究院

重庆市规划和自然资源局信息中心

重庆市地理信息与遥感应用中心

2025年10月

We sincerely invite all experts from all countries,
under the guidance of *the United Nations Global Geospatial
Knowledge and Innovation Centre*,
to offer advice and recommendations for Chongqing's sustainable
development.

