

Shanghai Science and SST Content of the second of t 上海科技创新资源数据中心

# **Shanghai S&T Innovation Resources Center**

上海科技创新资源数据中心

A R&D and Achievement Transformation Functional Platform September 2019



Shanghai Technology Development Co., Ltd. 上海科技**发**展有限公司 Introduction of SSTIR 数据中心介绍

Ascendancy and Services 优势与服务能力

3 Construction plan 建设规划

# Part One Introduction of SSTIR 数据中心介绍

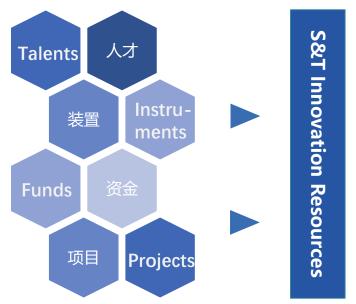


• Who Are We?

我们是谁?

Full Name: Shanghai Science and Technology Innovation Resources Center (SSTIR)

- Funded by Shanghai government
- Founded in Dec 2018.

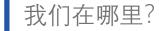


Assisted by <u>Shanghai R&D Public Service</u> <u>Platform</u> (a government-affiliated institution) governing all innovative resources in Shanghai. It provides resources including:

Database of Talents, Institutions, Large Instruments and Equipment, Projects, Funds and other Scientific & Technological Innovation Resources. Shanghai Science and Technology Development Co., Ltd. is the main entity which operates and manages SSTIR center and the platform.

It utilizes big data expertise to improve the utilization rate of scientific and technological resources, and to provide efficient and professional research services for *research institutions, universities and R&D units of enterprises.* 





# Where Do We Base?



Exhibition house is a historic building at No. 1634 Huaihaizhong Road. Shanghai, China



International Joint Base Shanghai-Warsaw Scientific Joint Lab (Poland)





我们的伙伴

Partnership



# **Data Resources Partners**





# 专家和专业技术团队

# **Experts and Professional Teams**



# Chief Scientist

Hongfeng CHAI

- Academician of the Engineering Management Department of the Chinese Academy of Engineering.
- EVP of China UnionPay

Data Center Commercialization Model Design and Planning Scientific Big Data Technology Framework Strategic Planning The functional platform technical team builds recommendations and consultants.



# Strategic Scientist

### Yixue LI

- Professor and Director of the Biomedical Big Data Center of the Institute of Technology Biology,
- Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences
- A major project management expert in the Ministry of Science and Technology.



## Jiarui ZHANG

- 19 years of industry practitioners,
- **6 years** of big data platform leading research and development experience,
- 10 years of technical executive experience.
- Designed R & D products used by CSM, Nielsen, Tencent, Shanda, 360 and other companies
- Focus on the promotion and implementation of cuttingedge technology, such as intelligent semantic search engine, distributed technology, big data, blockchain and so on.



### Robert M. Nowak

• Professor and Head of the Artificial Intelligence Department of the Institute of Computer Science, Warsaw University of Technology.

# Part Two Ascendancy & Services 优势与服务能力

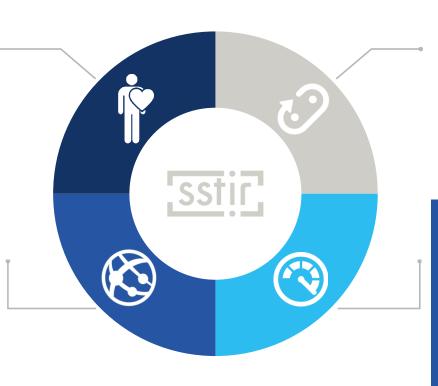
# 数据中心已整合的数据资源

In-hands data

Global Elite Scholars Information Platform Achieve 450,000 high-level scientific and technological experts around the world information inquiry, expert matching, talent comparison and other services.

Large-Scale Scientific Instruments Database

Provide information, comparison and screening services for more than 20,000 sets of large-scale scientific instruments in Shanghai, information on shared services and policy packages.





Chinese and English Literature Platform Provide one-stop online Chinese and Western literature online services such as Wanfang, CNKI, standards, patents, digital books, full-text transmission and intelligent document push.

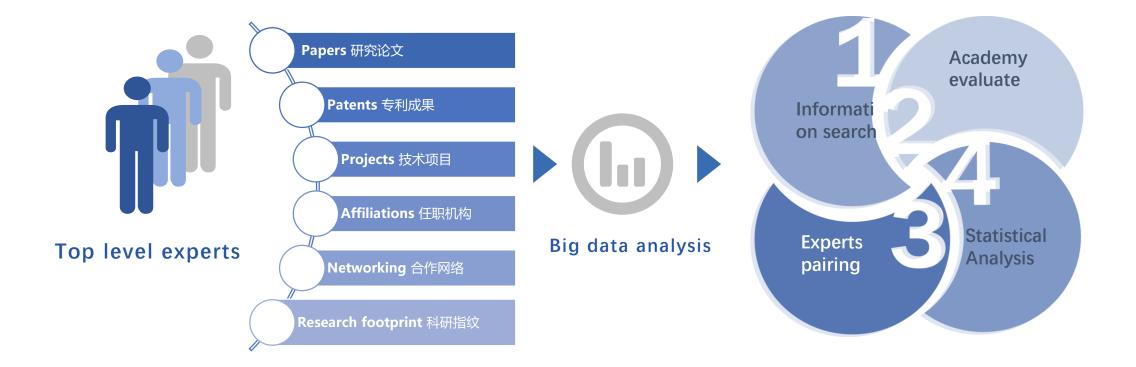
**Research Base Resources Database** 

Bringing together resources from more than 666 key laboratories, engineering technology research centers, professional technical service platforms, etc. in Shanghai.



# (一) 全球高层次科技专家信息平台

# A. Global Elite Scholars Information Platform





# (二) 仪器设施资源配置与服务大数据平台

B. Instrument facility resource configuration & service big data platform



- Large-scale instrument information retrieval in the Yangtze River Delta
- Achieve large-scale instrument supply and demand matching
- Online booking and application for large instruments
- Large-scale instrument procurement evaluation system



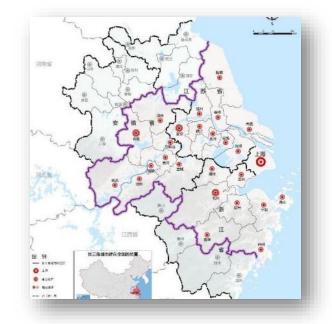
# C. Visualization

# **Technical output**

Provide technical output of big data mining, application and visual analysis of data resources.



(三)科技创新资源数据可视化能力

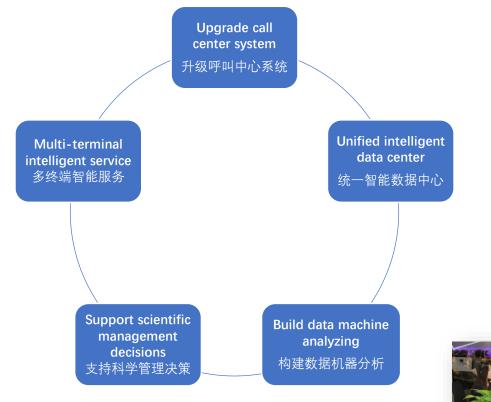


such as talents, major equipment, research and development bases, science and technology projects, technology enterprises, parks, science popularization and more to provide support for scientific and technological innovation decisions.



# (四) 一站式创新资源数据咨询服务

D. One-stop innovative resource data consulting service

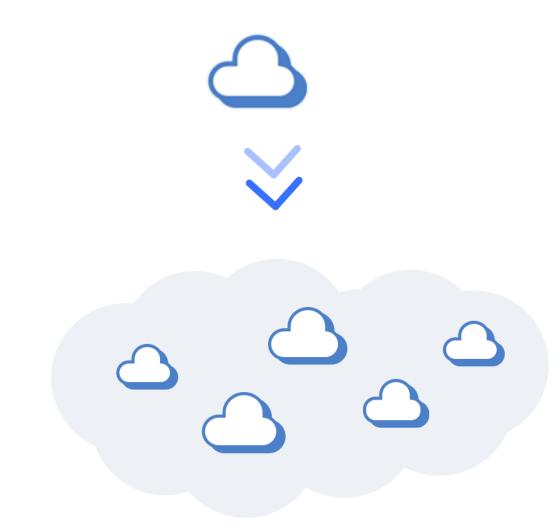


- Intelligent robot virtual seat
- Data mining analysis robot automatic learning and knowledge update
- Multi-terminal intelligent service system
- Get through the technology website group and realize the collection of technology data



# Part Three 3 Construction plan 建设规划





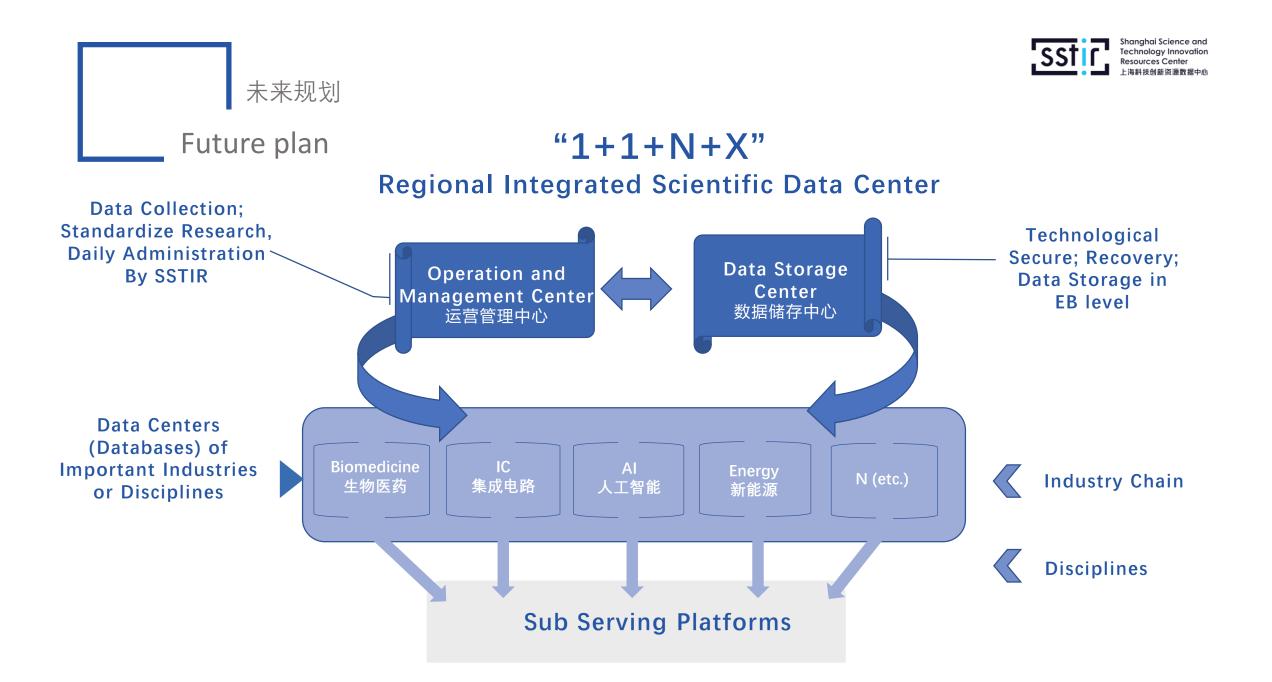
### Shanghai Science and Technology Innovation Resources Center 上海利技创新资源数据中心

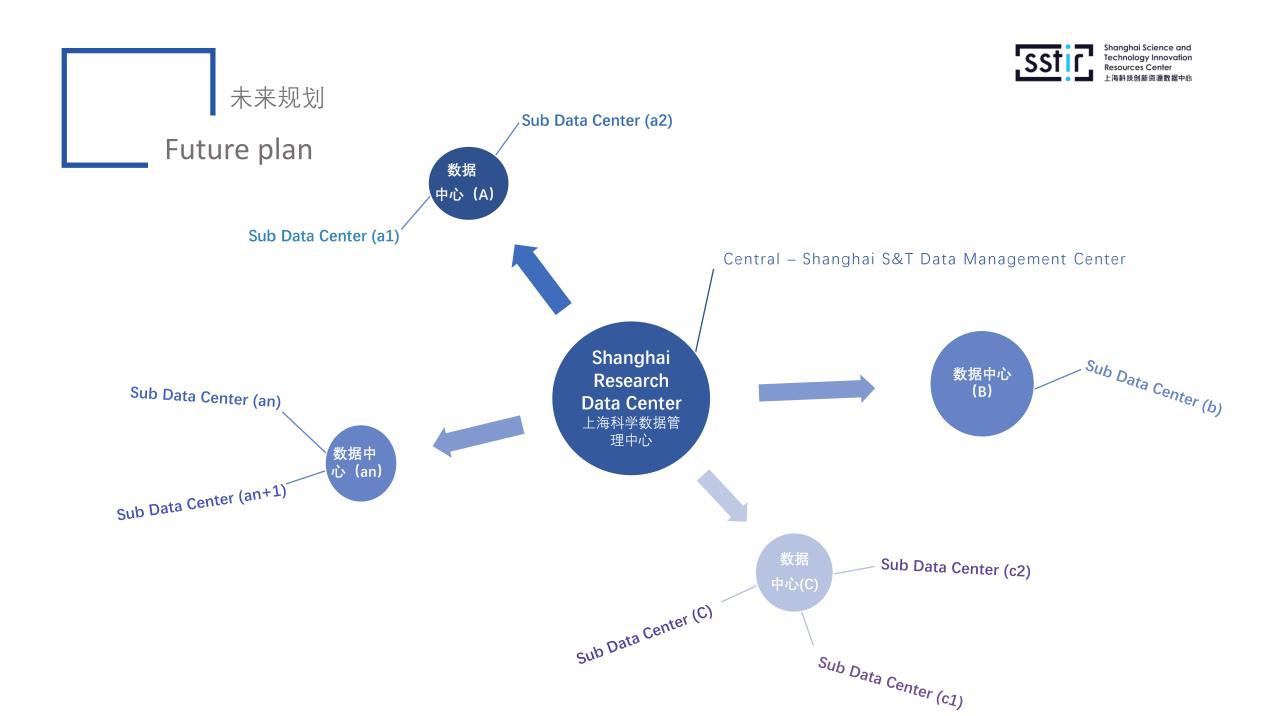
# **Basic Cloud**

- Beta-1.0 Version
- Complete at End of 2019
- Functions:
  - Architecture beta
  - Support 2-3 Projects

# **Public Cloud**

- Cloud Federation
- Firstly serve for Shanghai, then the whole Yangtze River Delta Area
- Functions:
  - Output the mature cloud architecture
  - United Cloud Management Platform







# THANK YOU