

数据时代的挑战 ——让数据流动起来

祝欣欣

北京世纪安图数码科技发展有限责任公司
技术经理



WGDC 2015
地理信息开发者大会





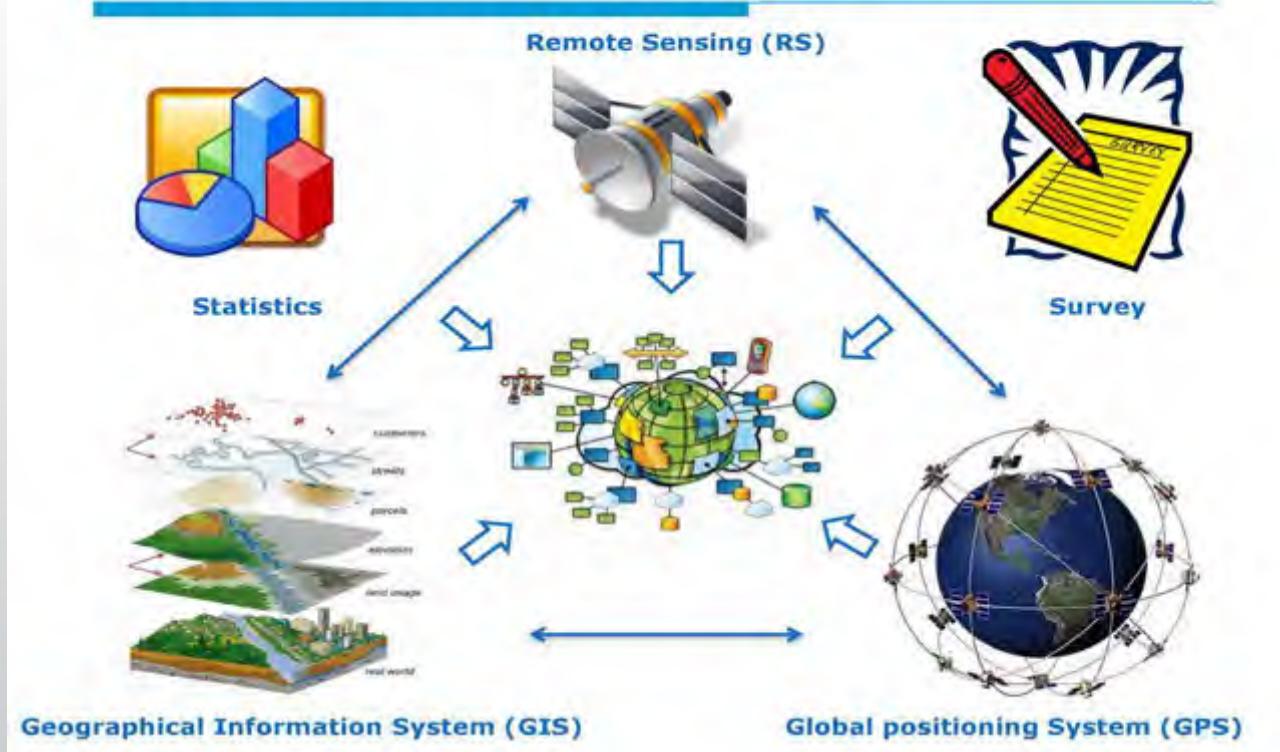
泛空间信息时代



Data

CONNECT. TRANSFORM. AUTOMATE.

传统空间数据获取分析方式



<http://ppt.caup.net/read/69>

CONNECT. TRANSFORM. AUTOMATE.

大数据时代



- 开放数据
- 自发性地理信息 (VGI)
 - 人人都是传感器

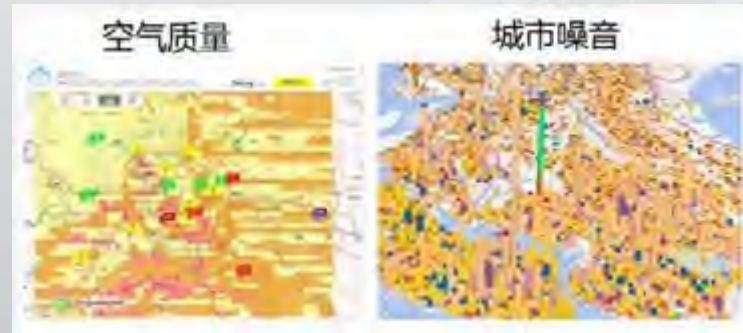
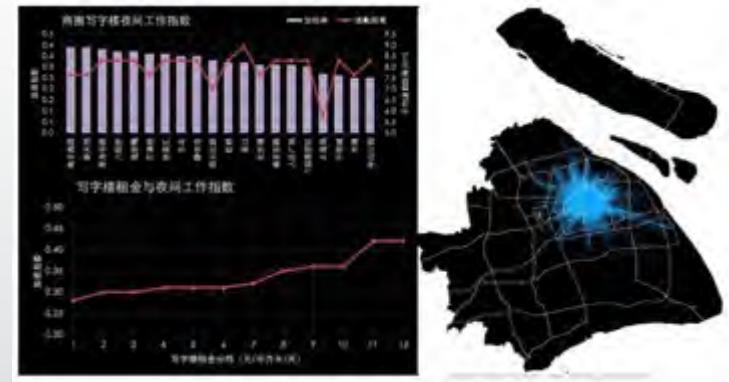


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数据价值



- 数据读城
- 城市计算
- 用地图讲故事
-



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从数据到应用



- 数据应该更像流体而不是固体，可以随你所需很容易的变成你想要的形态。

不是



而是



CONNECT. TRANSFORM. AUTOMATE.

从数据到应用



- **痛点**：数据加工的周期长！

- 功能单一的多重工具叠加使用；
- 缺乏专业的空间数据分析人员。

CONNECT. TRANSFORM. AUTOMATE.

空间数据分析师



完成数据的连接、变换、自动化

随
处

随意
随你所用

随时

CONNECT. TRANSFORM. AUTOMATE.



连接

变换

自动化

CONNECT. TRANSFORM. AUTOMATE.

FME产品体系



CONNECT. TRANSFORM. AUTOMATE.

Create harmony between data and applications

FME Desktop
INTUITIVE WORKFLOW AUTHORIZING

FME Server
ENTERPRISE AUTOMATION

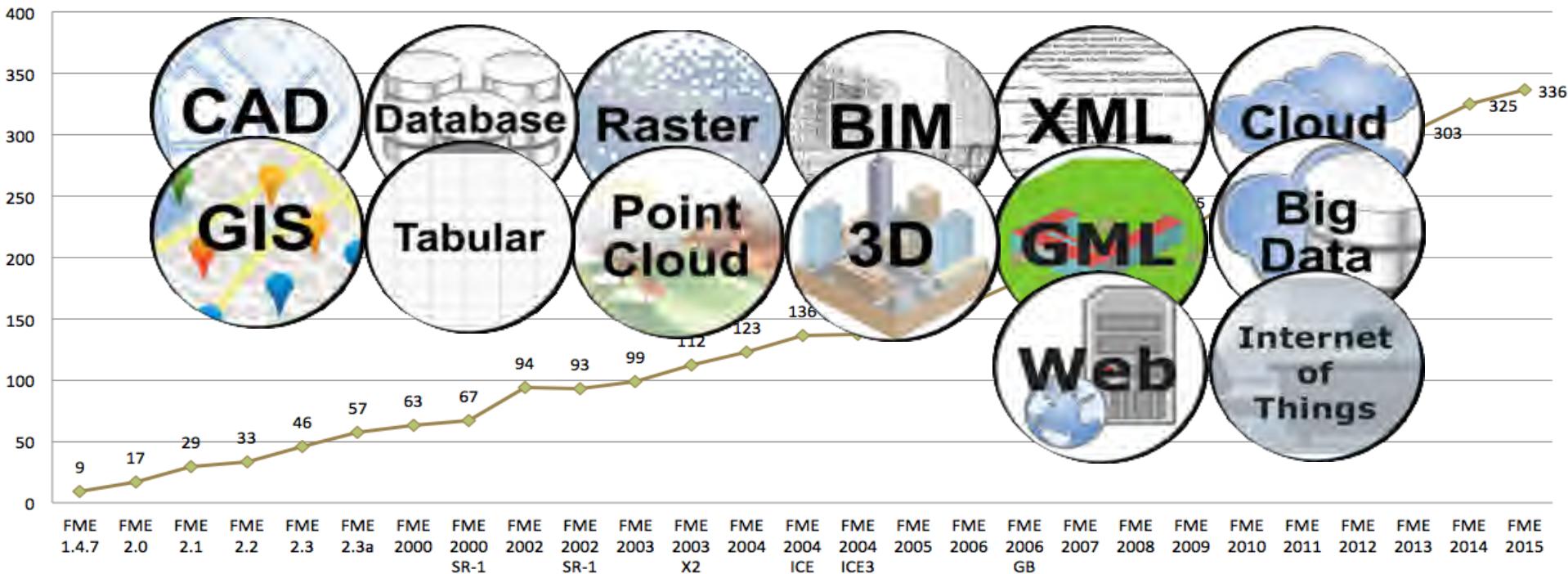
FME Cloud
TAKE AUTOMATION TO THE CLOUD

The diagram shows a data transformation workflow. It starts with a 'Source' step (a list of files: Sales, Customers, Products, Options, Rejected) which feeds into an 'AttributeCreator' step. The 'AttributeCreator' step has an 'Output' connection. This output connects to a 'DirectTweeter' step, which then connects to an 'Affect...tomers' step. The 'Affect...tomers' step has a 'Customer' connection (Customer, CustomerName, MessageText) and a 'Message' connection (Message, Error). The 'Affect...tomers' step also has an 'Error' connection. The 'DirectTweeter' step has a 'Message' connection and an 'Error' connection. The 'Affect...tomers' step has a 'Customer' connection (Customer, CustomerName, MessageText) and a 'Message' connection (Message, Error). The 'Affect...tomers' step also has an 'Error' connection.

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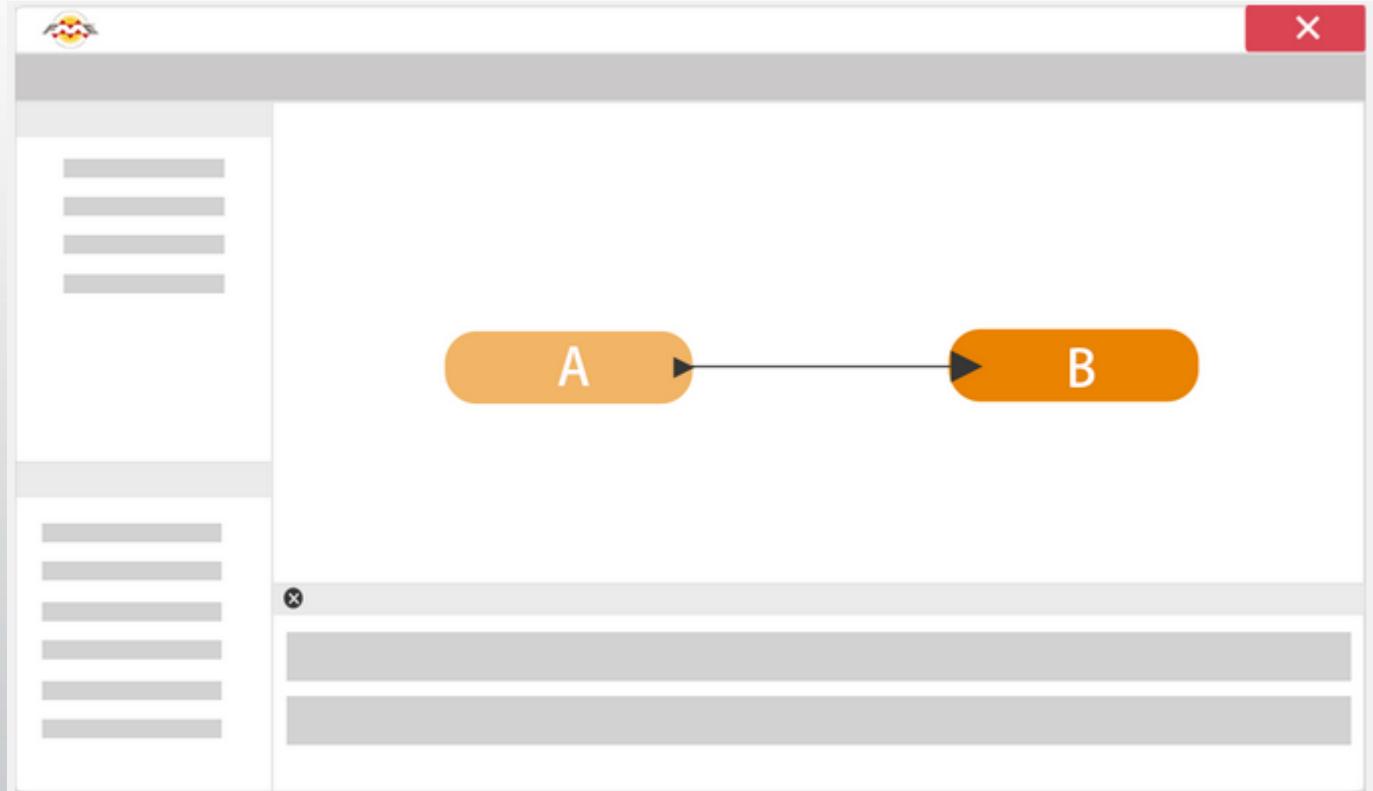


用FME连接 数百种格式



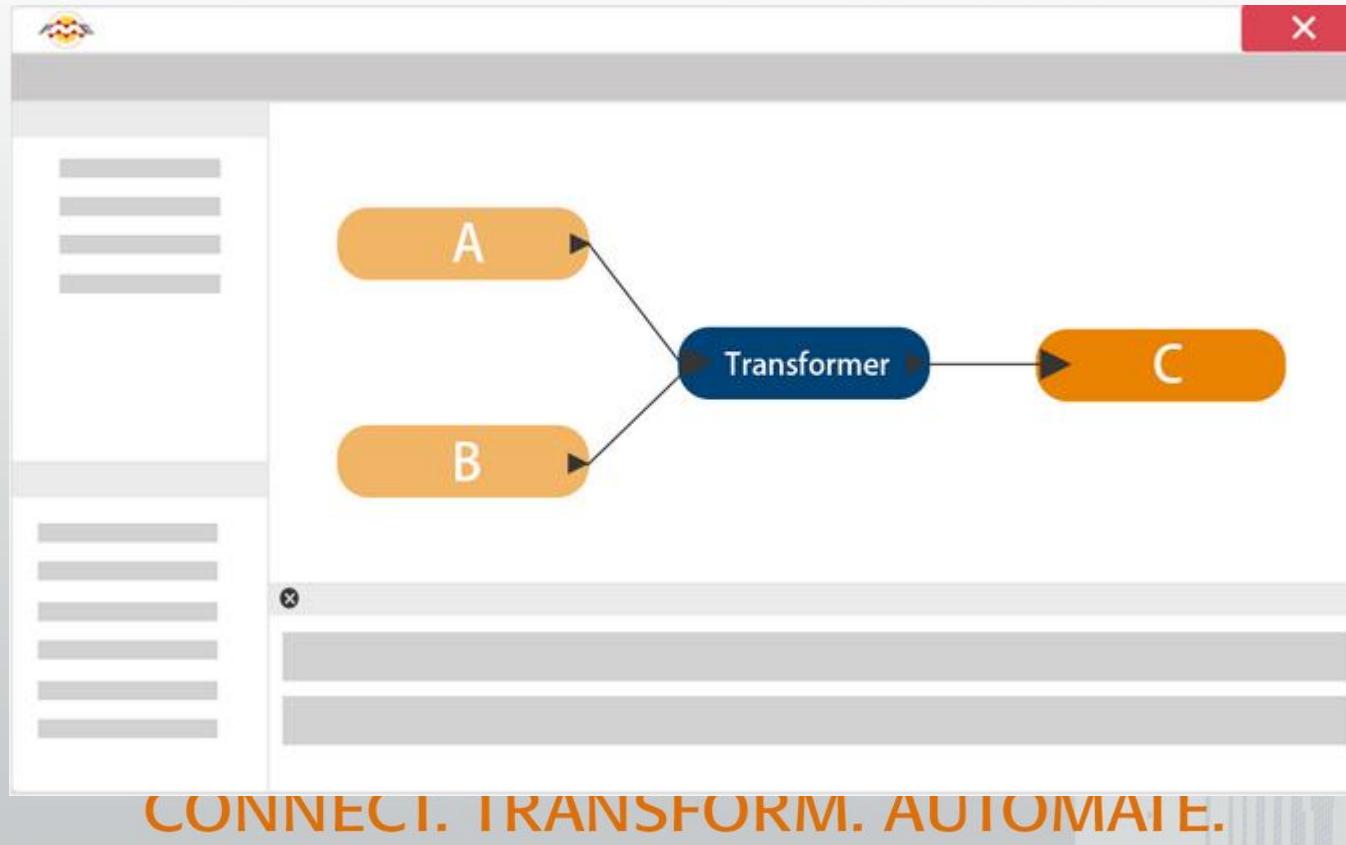
CONNECT. TRANSFORM. AUTOMATE.

连接 Connect



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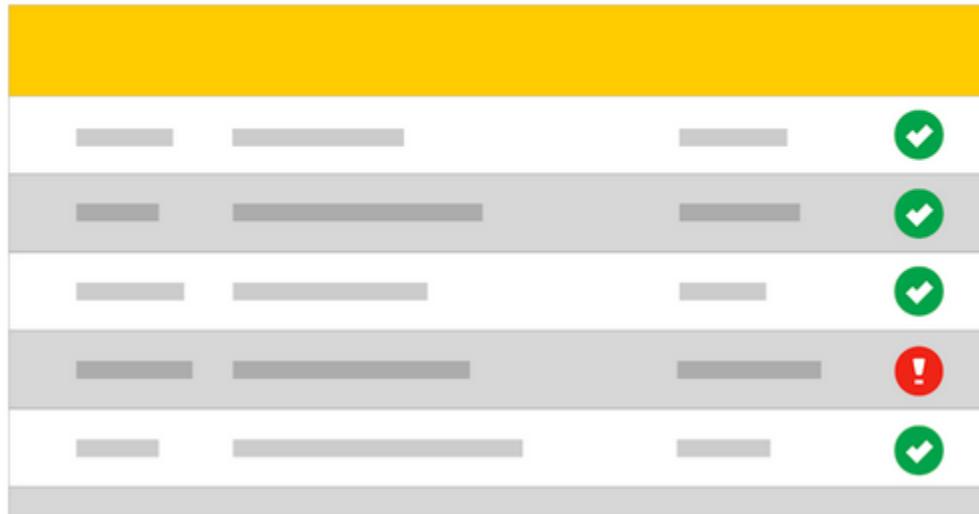
变换 Transform



自动化 Automate



Job Queue

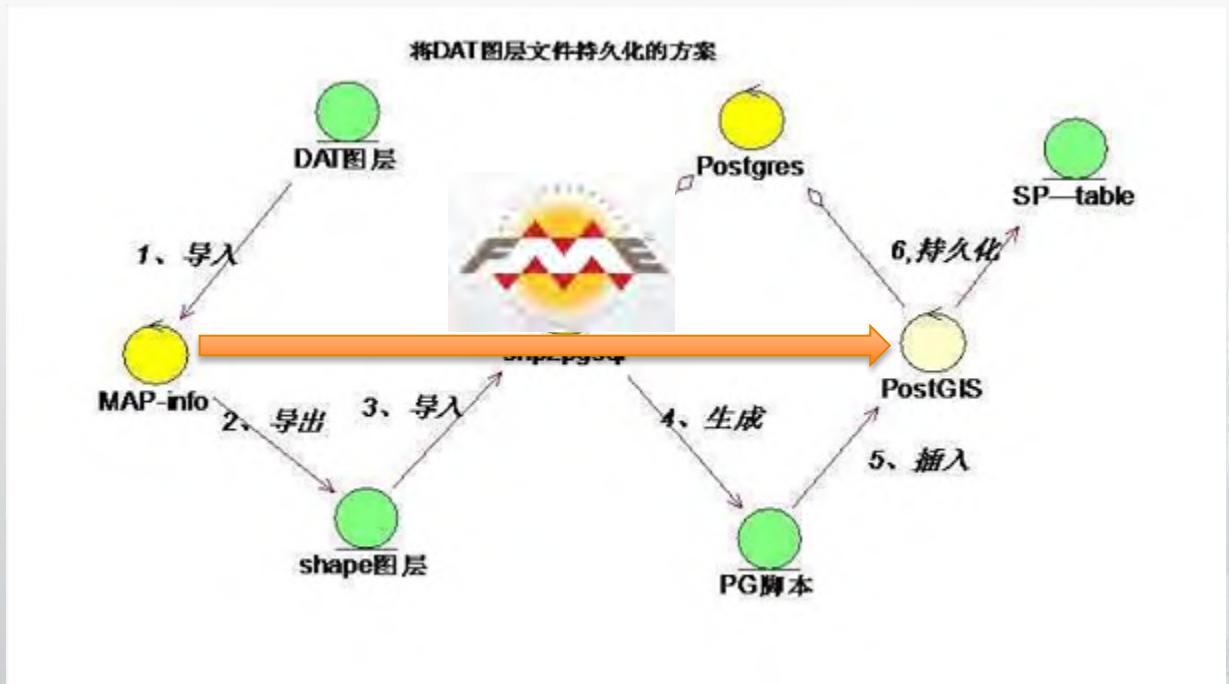


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DG002 per Counting Region

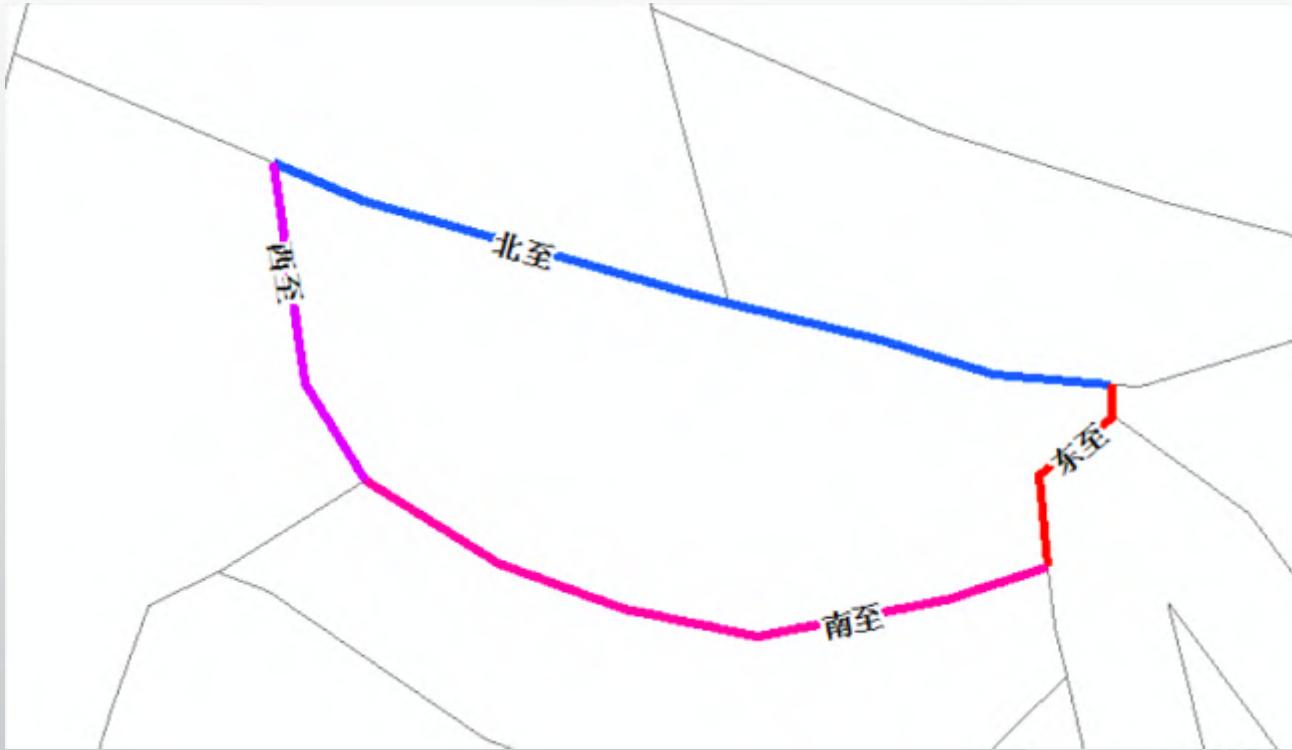
740

Why FME



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应用场景



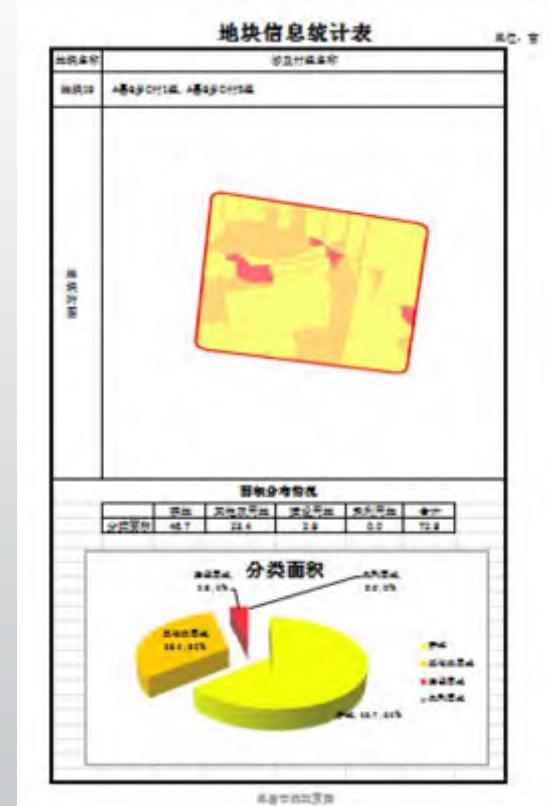
CONNECT. TRANSFORM. AUTOMATE.

应用场景



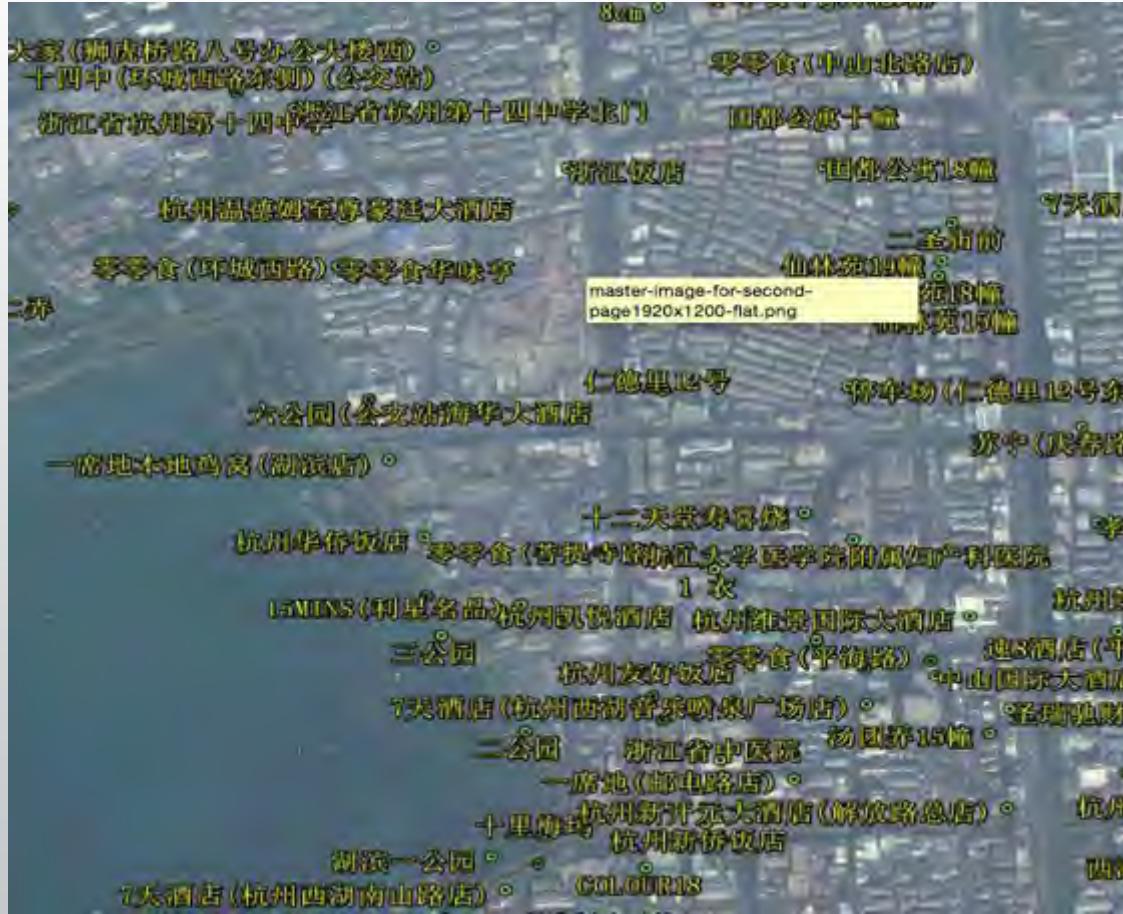
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应用场景



CONNECT. TRANSFORM. AUTOMATE.

应用场景



应用场景



A campus map showing several buildings in purple and grey. A blue line indicates a walking route from a starting point on the left to GOWEN HALL Room 231. The buildings labeled are Kane, Smith, C1-C5 Levels Central Plaza parking Garage, Suzzallo Library, Allen Library, Mary Gates, Johnson, Gerberding, and Molecular Engineering. A callout box on the right provides step-by-step directions to the room.

Routing to **GOWEN HALL Room 231**

Show me all the search results

- Start at Your Current Location
- Enter Stairs on Ground Floor and Exit on 2nd Floor
- Exit Stairs Toward 231 Entrance
- Go through 231 Entrance Toward GOWEN HALL Room 231
- Finish at GOWEN HALL Room 231, on the right

Start at Your Current Location

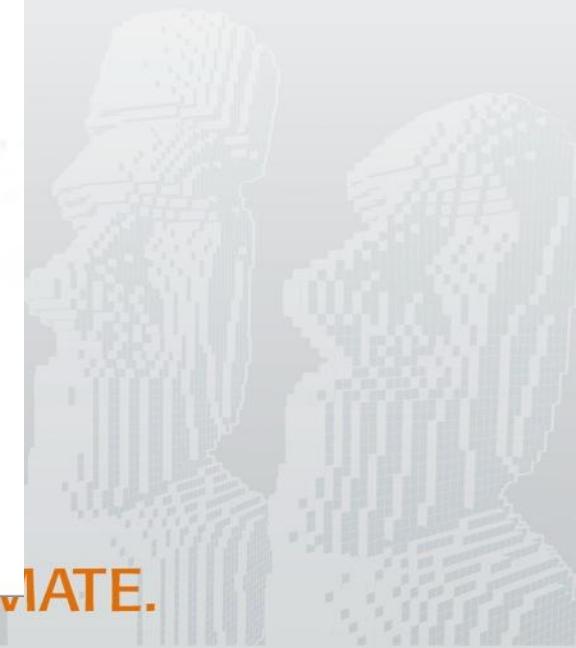
应用场景



应用场景



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- 人人都可以是空间数据分析师

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谢谢!

- 提问?
- 更多信息:
 - zhuxx@antu.com.cn
 - www.fme-china.com
 - www.safe.com



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