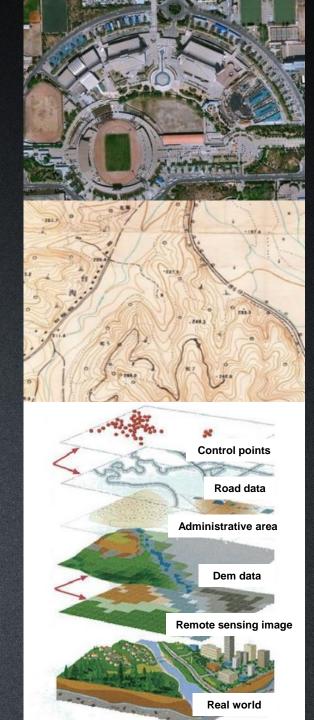
## **Data Registration**

SuperMap Software Co., Ltd.



#### **Definition**

- Data registration is the process of correcting and transforming the spatial position of the source data according to a certain algorithm and a set of control points.
  - The source data
  - The result data
  - The control points





### Registration methods in iDesktop

- Registration by inputting the coordinates of control points
- **Registration by picking control points from the reference layer**
- **3** Batch fast registration



## Steps of the first two methods

Create a new Registration

Select the reference dataset (can be skipped)

Select registration algorithm

Pick/Enter control points

Calculate errors

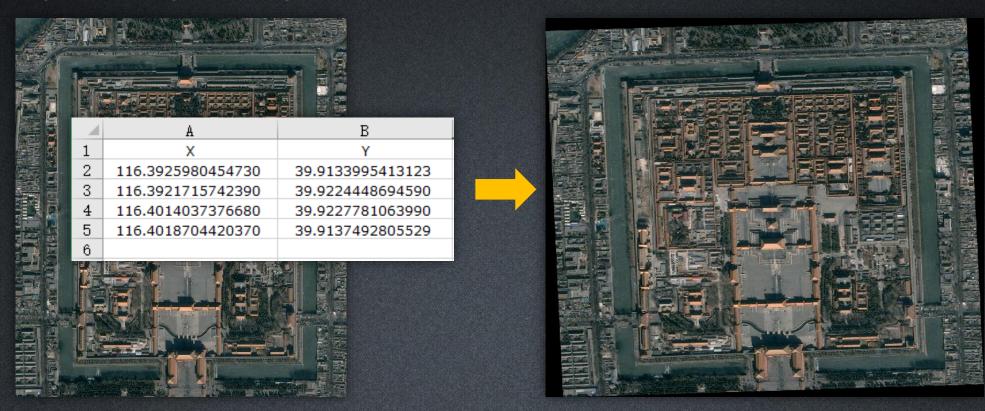
**Execute** registration

Reset the coordinate system



#### **Exercise**

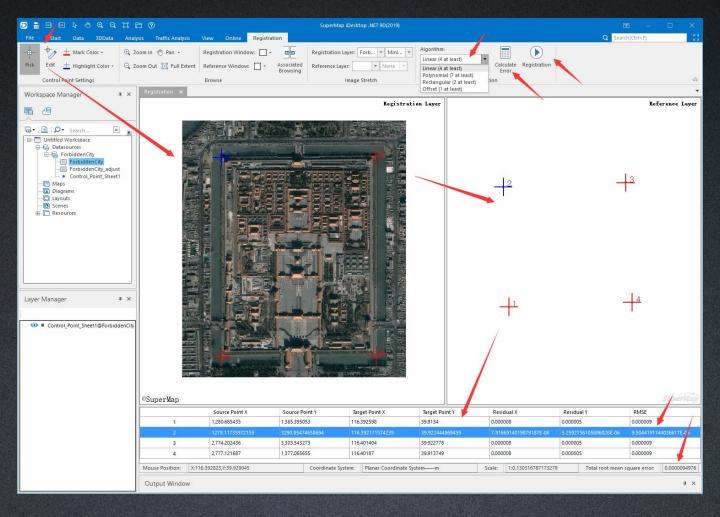
- Registration for the Forbidden City image
  - Import the Control\_Point excel as a point dataset which will be the reference dataset
  - Register the image by picking the 4 control points from reference layer





#### **Exercise**

Register the image by picking the 4 control points from the reference layer





## Steps of batch fast registration

Load the source data

Fast Registration

Add datasets

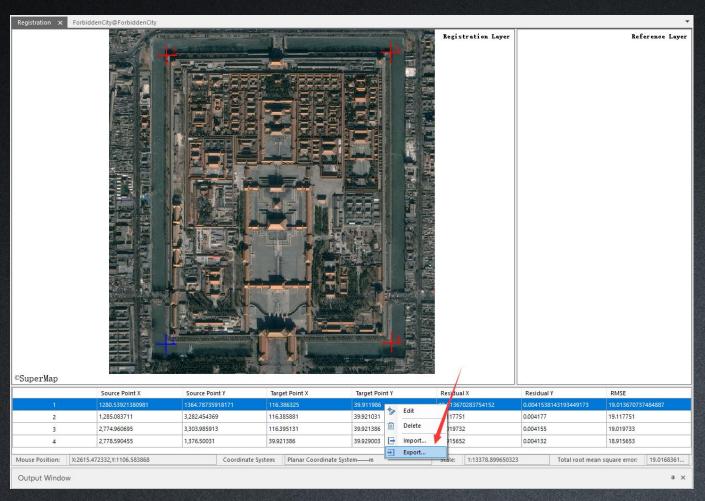
Select the registration file

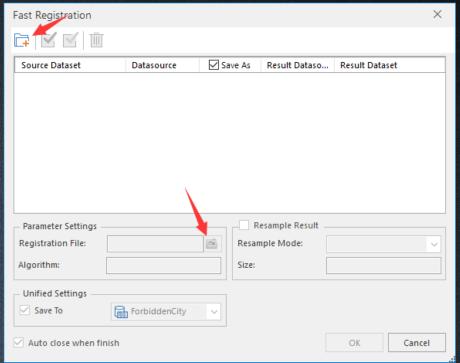
**Execute** registration

Reset the coordinate system



## Batch fast registration







# Thank You!

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