**Participant-oriented in situ sharing method for collaborative modeling**

**1.Introduction**

1.1 the significance of collaborative modeling

1.2 the needs of data sharing in collaborative modeling

1.2.1 needs of distributed data acquiring on demand and dynamically

1.2.2 needs of local data sharing under control

1.2.3 needs of data pre/post-processing and visualization

1.3 disadvantages of current methods in those needs (enough quotes)

1.4 this article is to solve what problems

**2.Basic Concept**

2.1 Distributed data maintain

2.2 Sharing under control and acquiring on demand dynamically

2.3 Different levels of in situ sharing

**3.Details of the distributed in situ sharing of data**

3.1. Network solutions

3.2. File level

3.3. Information level

3.4. Presentation level

**4.Experiment**

Web Platform

In situ sharing case in a specific collaborative modeling

(eg: GeoDetector)

**5.Conclusion and future work**

Solved the current problems or not

**6.Acknowledgments**