

## Overview The importance of "GNSS augmentation" The introduction of "IBAS" Results Experimental Environment Positioning error Sample application Future work Summary







....

- GPS Earth Observation NETwork (GEONET)
   collects and provides satellite wave observation data
- DGPS-IP
  - provides D-GPS correction data
- Internet-Based Global Differential GPS (IGDG)
   provides error correction data for satellite information
- Signal-In-Space through the InterNET (SiSNeT)
   provides error correction data for satellite information
- "Propagate server model"
  - provides D-GPS and RTK-GPS correction data

2005.1.27

The 9th COE Presentation

## System comparison



	Scalability	Reusability of reference stations	Extensibility
GEONET	×		
DGPS-IP	×	×	×
IGDG	×		
SiSNeT	×	×	
Propagate server model			

















## Summary

- · In order to enhance the usability of GNSS, We proposed "IBAS : the Internet-Based Augmentation System for GNSS".
- IBAS is comparable in positioning error to the existing system, and its architecture has advances in scalability, reusability of data, and extensibility.
- · As future work, we will examine the model for the distributing location-based information.

2005.1.27

The 9th COE Presentation

17