

衛星リモートセンシングと 短期地震予測

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千葉大学大学院理学研究科



Validation of Lithosphere-Atmosphere-Ionosphere Coupling Concept During Large Scale Earthquakes

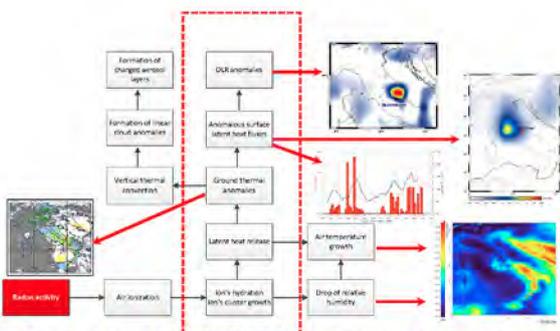
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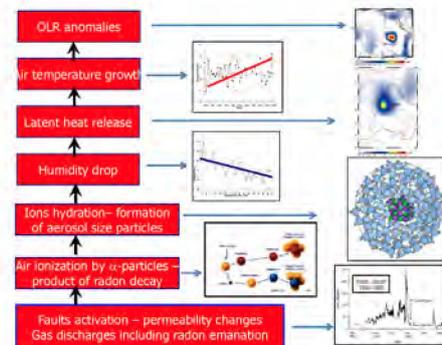


Outline

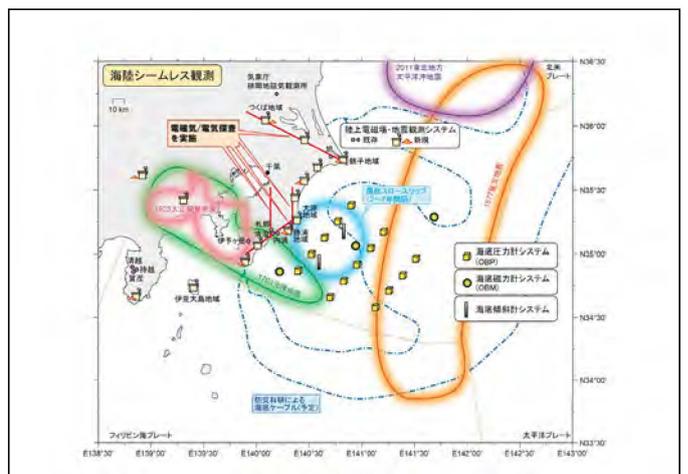
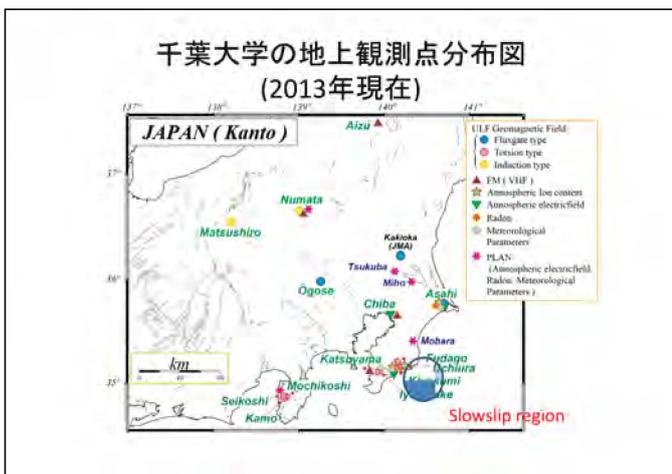
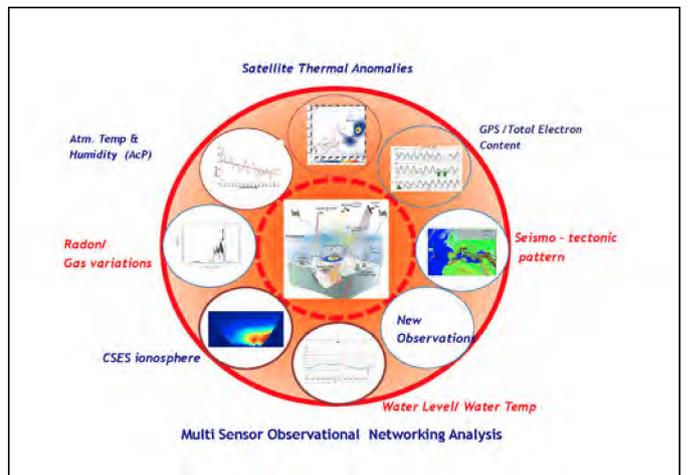
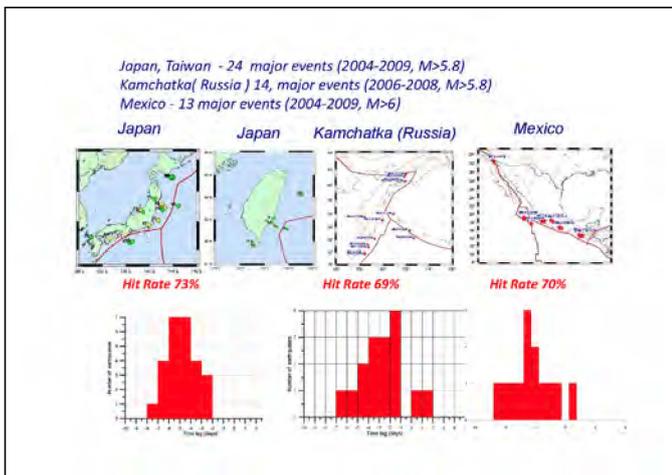
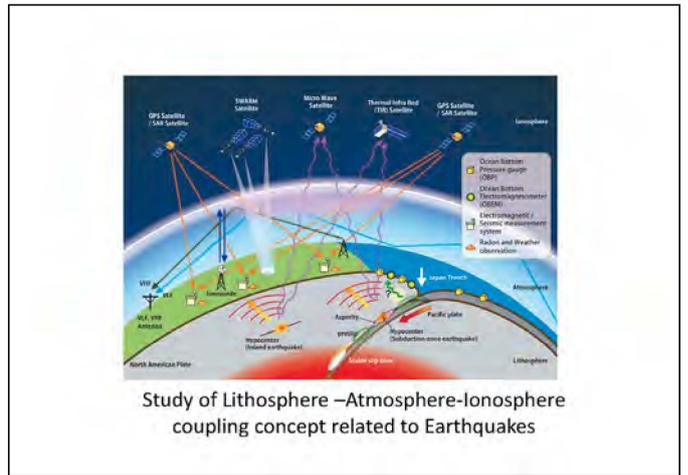
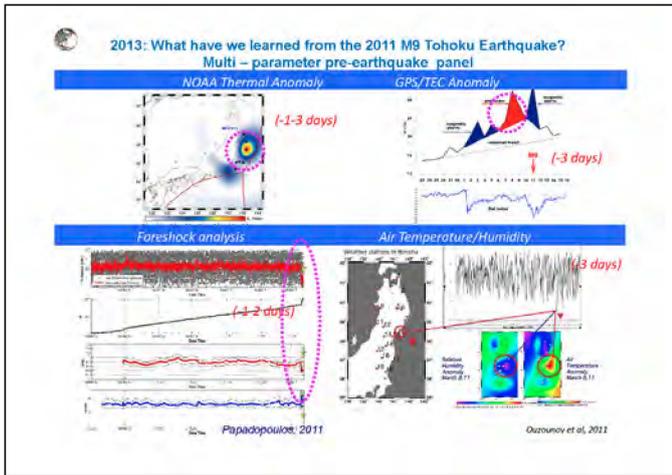
- ✓ LAIC
- ✓ Multi parameter approach
- ✓ Summary

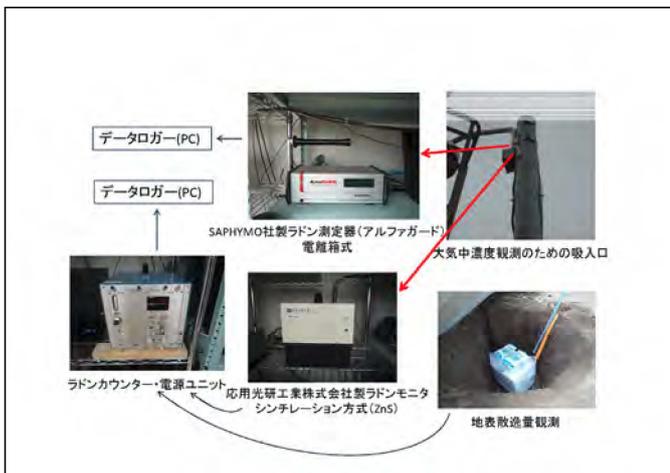
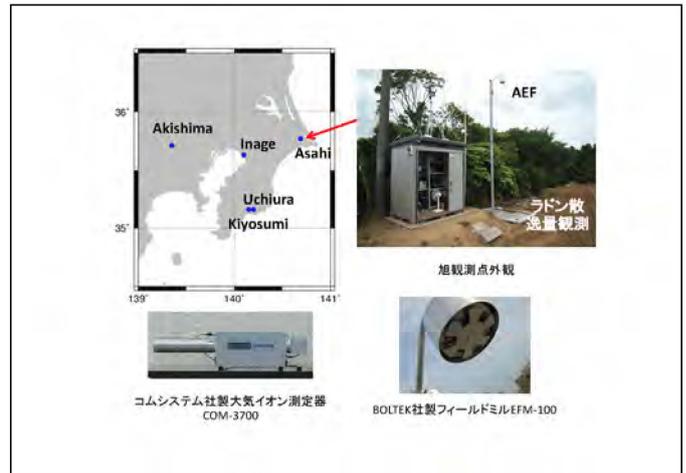
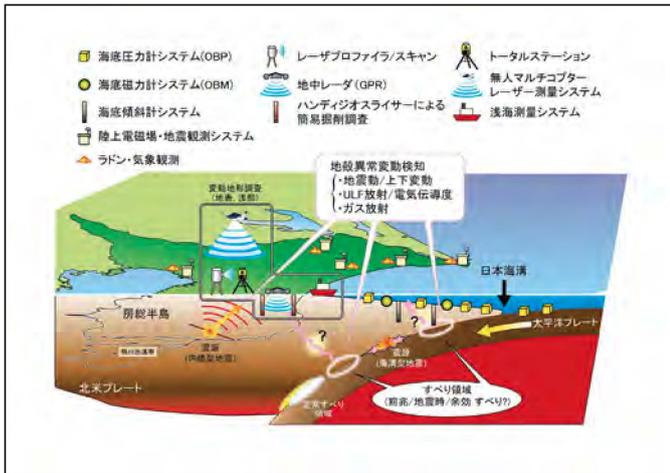


**LAIC(Lithosphere-Atmosphere-Ionosphere Coupling)
Plasma chemistry-Thermal interface**



LAIC Thermal interface





Summary

- General consensus between LAIC and reliable earthquake precursors
- Significance in statistical and identification analyses
- Ground networks : configuration to reconsider for better support
- Single earthquake precursor ← limited forecasting potential
- Multi-parameters approach → No unification of measurements; different monitoring & computation technologies etc...
- No consensus on the physical models
- Need to connect the earthquake cycle, tectonic loading, etc..,