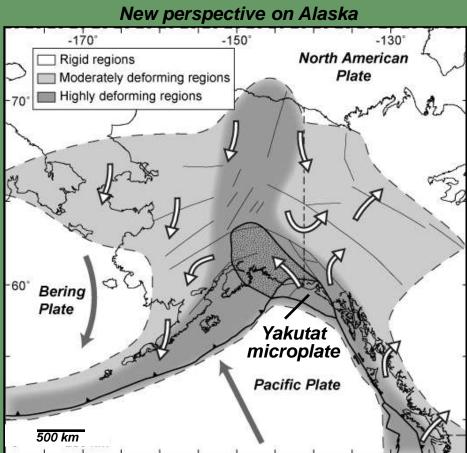
## Summary of kinematic results

A new kinematic model for Alaska and western Canada

Old Alaskan paradigm -170° -130° -150° -170° Rigid regions 70 Alaska North Russia American Bering Soak Berina Canada Plate Yakutat microplate Pacific Juan de Plate Fuca Plate 500 km



Finzel et al., in review

- Highly deforming regions
  - Abundant seismicity, high gradients in the modeled velocity field, high strain rate magnitudes
- Relatively rigid regions
  - Sparse seismicity, very small gradients in the modeled velocity field, low strain rate magnitudes