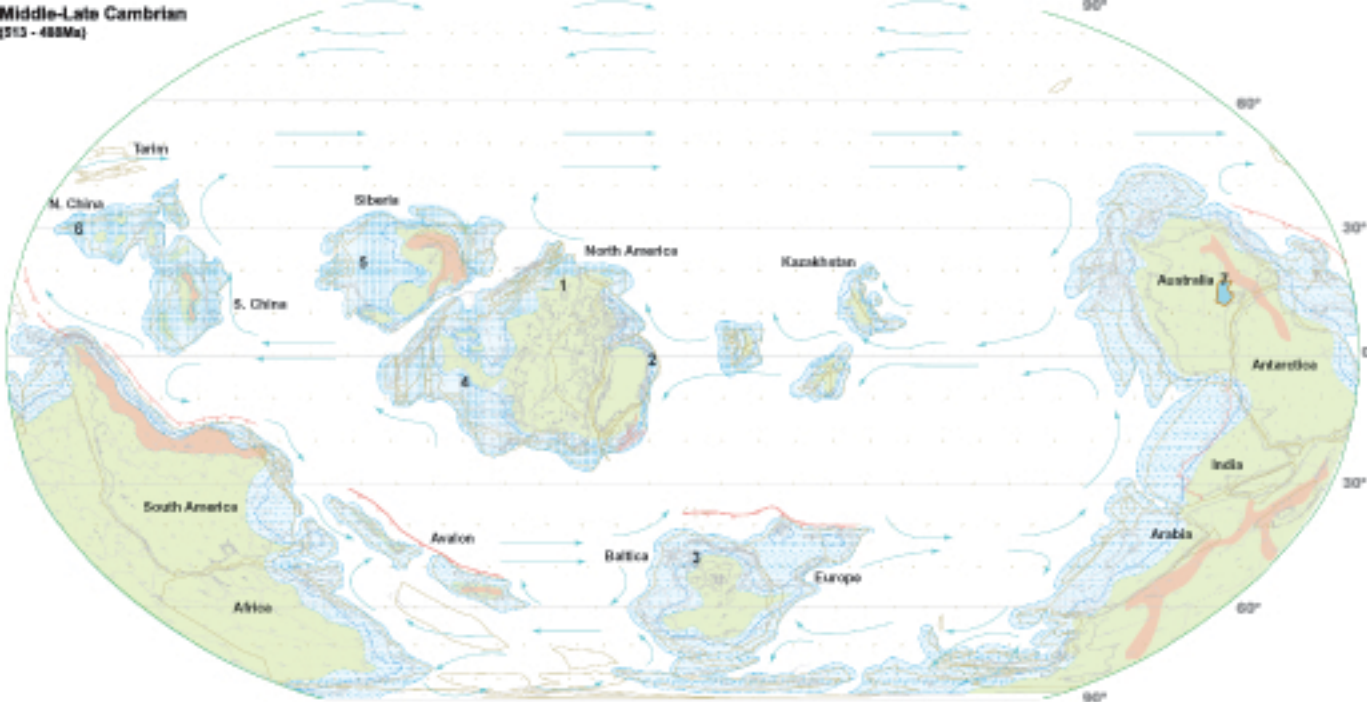


# Middle-Late Cambrian (513 - 488Ma)



## Key Features

- Three main cratonic shields, Laurentia, Siberia mostly in the southern hemisphere
- Passive margin widespread following breakup of Rodinia in Late Proterozoic
- Sea level rising to first-order highstand at end of Cambrian
- Transverse orogenic belt, minor exposed land areas
- Large shelf, limited eugeoclinal ocean
- Warming continues in Early Cambrian to Middle-Late Cambrian greenhouse climate
- Dominantly weak circulation
- Archaeocyathids disappear by Middle Cambrian, result in shift from reefs to platforms with stromatolites and oolites
- No vascular land plants
- Low atmospheric oxygen conditions inhibit development of deep-sea conditions

## Representative organic-exposed-shelf basins

- | Formation             | Basin / Area         |
|-----------------------|----------------------|
| 1. Mt. Cap Pts        | Rocky / Area         |
| 2. Horton Glacier Pts | Green / Area, Canada |
| 3. Alton Pts          | Franklin, Greenland  |
| 4. Bangor Pts         | Kareg, Sweden        |
| 5. Ulfen Pts          | Oslofjorden, Norway  |
| 6. Qilong Pts         | Longjiang, China     |
| 7. Chongqing Hill Pts | Chongqing, China     |

## GRS Setting

- Continental Shelf Margin
- Continental Shelf Margin
- Platform/Ramp
- Platform/Ramp
- Platform/Ramp to Lagoon
- Platform/Ramp to Lagoon
- Platform/Ramp to Lagoon
- Platform/Ramp to Lagoon

## Map Legend

- |                  |                       |               |                 |
|------------------|-----------------------|---------------|-----------------|
| Shelf, Carbonate | Shelf, Unconsolidated | Oceanic Basin | Deposition      |
| Shelf, Carbonate | Shelf, Unconsolidated | Oceanic Basin | Phosphorite     |
| Shelf, Carbonate | Shelf, Unconsolidated | Oceanic Basin | Subduction Zone |
| Shelf, Carbonate | Shelf, Unconsolidated | Oceanic Basin | Plate Boundary  |
| Shelf, Carbonate | Shelf, Unconsolidated | Oceanic Basin | Surface Current |