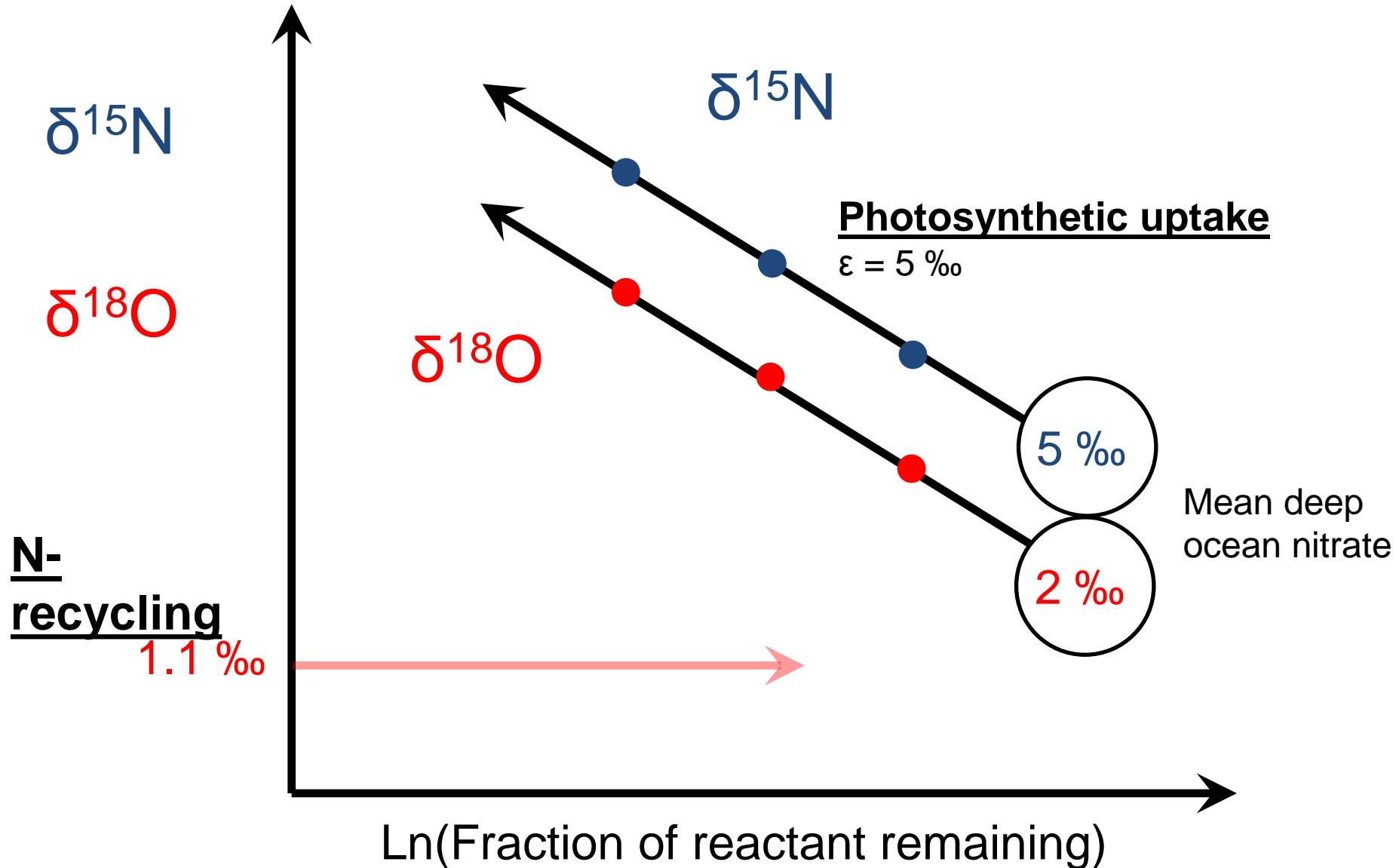




## Using stable isotopes of nitrate in SO carbon cycle studies



- Partition between uptake, recycling and export of N
- biologically mediated carbon cycle ( stoichiometric)
- Delineate the influence of solubility vs. biological C pump
- Understand biogeochemical drivers/mechanisms

### Advantages:

- Well demonstrated method
- Integrates temporal/spatial scales
- Easy sample collection 120 ml water
- Particularly suited for SO
- Added benefits combining with silicon isotope

