

Data

# Satellite

- Need to agree on and communicate consistent message to space agencies on minimum requirements for inland/near-coastal waters
  - Need to take advantage of opportunities to influence future missions, e.g. NASA decadal survey.
  - Task: publish minimum requirements
- What do we mean by global - spatial coverage?
  - Demand for information should determine sensor/spatial scale
  - Ecological importance should dictate site selection/scale
  - Highest value for areas we have no information, particularly in small inland water bodies.
  - Globolakes 1000 good starting point for global service

# Data- Satellite

- Global data processing
  - various strategies to cope with high data volumes, included distributed computing and subsetting for lake areas
  - need to combine different data sources
  - cubesats
  - EnMap - currently little response from inland community
- Products:
  - strong interest in HABs, particularly microcystis
  - proxies important, to toxins, phosphorus
- Ancillary data
  - need for temperature
  - Traceability method needs to be implemented -
- Low hanging fruit - OLCI chlorophyll product
  - Copernicus services - in land domain, no option for OC domain, continue to lobby

# Data Satellite

- Algorithms
  - Locally calibrated algs. still valuable and should be kept
  - need to quantify errors and uncertainties
  - Round robin inter comparison exercise would be valuable
  - Measurement differences with in situ data an issue.
- Limnades
  - should be promoted as a community led repository...
  - needs to find a home in the long term...