

SINTEF

Automated measurements



We analyse ~1000 microscope images per hour for:

- Heart cavity area
- Myotome length
- Myotome height
- Yolk area
- Yolk length
- Yolk height
- Body area
- Heart rate
- Deformation

Automated measurements

Man (600sec.)

Machine (3sec.)





Automated algae classification



Existing techniques

Fluorescence e.g. for cyanobacteria Size e.g. LISST-100x Apparent Optical Properties and spectral fingerprinting

- These are proxies, not direct measurement.
- Seldom provide measurements in more detail than bulk population statistics.

Our focus

Automated in-situ imaging – "seeing is believing"

+ reduce man-hours+ rapid reporting+ explicit & direct measurement

Automated algae classification

