

Diversity II Newsletter Issue 3

The **Diversity II** project will contribute to the work of the Convention on Biological Diversity by assessing biological diversity in two important ecosystems of the Earth, **Inland Waters** and **Drylands** using satellite data.

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News

Pre Critical Design Review meeting in Esrin, Oct 2013

A review of the progress of the experimental phase, including algorithm selection and validation, and a review of the User Consultation Workshop in Stockholm.

Diversity II in the Living Planet Symposium in Edinburgh, Sep. 2013

Several presentations and poster sessions were held in order to present the Diversity II project.

Diversity II presented at SIL 2013 Congress in Budapest, Aug. 2013

Diversity II in the GlobWetland III user consultation workshop, July 2013

Preliminary Design Review meeting in Sigtuna, June 2013

The principal objective of the meeting was to assess to which level the user requirements can be met with the best available scientific solutions for both surface parameter retrievals and indicators.

User Consultation Workshop in Sigtuna, June 2013

It was attended by Biodiversity and Earth Observation user communities in order to review prototype products, technical specifications and a quality report.

Calendar

The first phase of the project is characterized by analysis of user requirements and algorithm state of the art, prototyping and algorithm validation.

- *Sept. 2012: Kick-off*
- *Oct. 2012: Side event at COP 11*
- *Dec. 2012: System Requirements Review*
- *April 2013: System Requirements Review 2*
- *June 2013: User Consultation Workshop*
- *June 2013: Preliminary Design Review*
- *Aug. 2013: Living Planet Symposium*

In the second phase a data set comprising 10 years of ENVISAT data and including MERIS FR, AATSR, ASAR and RA data will be processed to biodiversity indicators and validated together with users.

- *Sep. 2013: Pre Critical Design Review*
- **Dec 2013: Critical Design Review**
- **Feb. 2014: Qualification and Acceptance Review**
- **Spring 2014: User Consultation Workshop 2**
- **July. 2014: Service Demonstration Review**
- **Dec. 2014: Final Review**

Outcome of the User Consultation Workshop

We would like to thank all participants for contributing to the User Consultation Workshop in Sigtuna, Sweden, at the end of June. The outcome of the meeting was further discussed at a Diversity II follow-up meeting in the beginning of October. We decided to plan further user interactions according to the inputs and other previous experience:

- A choice of different 1st level indicator products will be distributed as soon as possible.
- Local experts will be asked to help in the evaluation of 1st and specification of 2nd level indicators.
- A shortened online questionnaire will be provided to gather further 2nd level indicator requirements.
- A generally understandable Earth Observation glossary will be provided on our homepage.
- Revision of 2nd level indicators will remain possible beyond the qualification and acceptance meeting (February 2014).
- A second User Consultation Workshop will be arranged at Ispra, Italy in the spring of 2014.

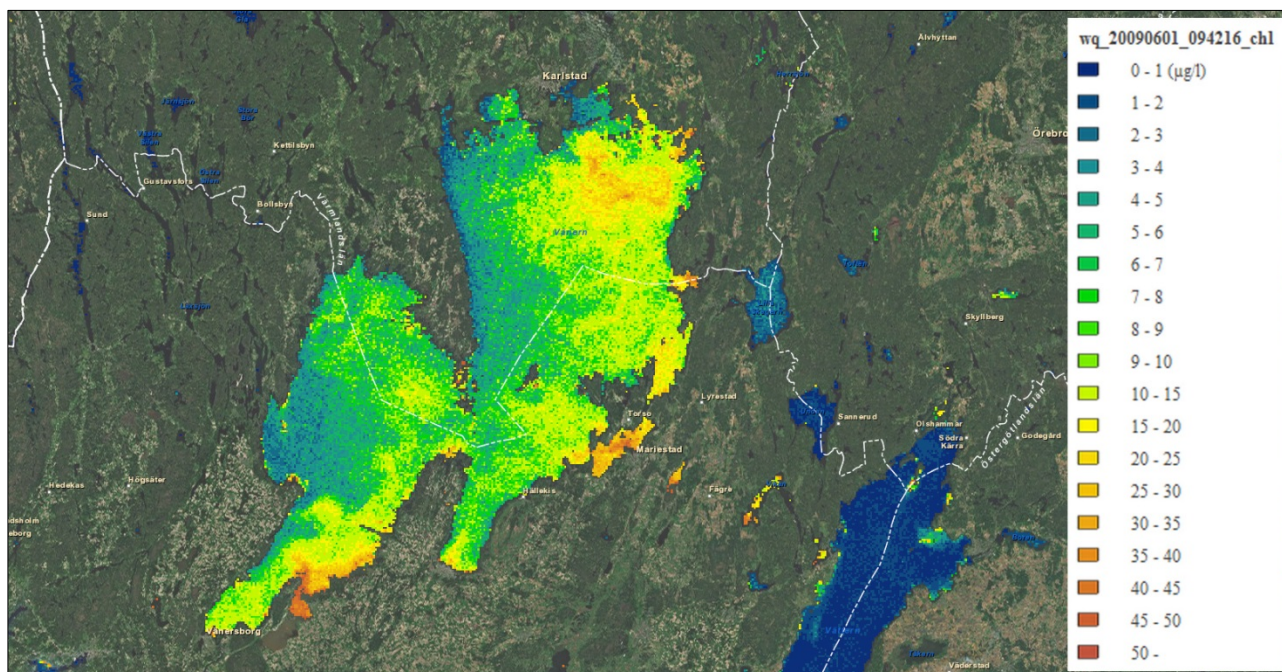


Fig. The figure shows a chlorophyll-a concentration map of Lake Vänern, Sweden from the 1st July 2009. Chlorophyll-a is an indicator for eutrophication and an example of a basic parameter in the Diversity II project. First level diversity indicators are then derived from several maps by spatial and temporal aggregation in order to indicate ecosystem relevant trends.

Please visit the project website for more information, <http://www.diversity2.info>



Diversity II is an ESA Data User Element Project

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