

Dissemination and education



Dissemination and education

WP 1. Climate change and catchment model

Lead: Emmanuel Obuobie

Co-lead: Hans Estrup Andersen

- Climate change projections
- Predictions of lake water inflow, sediments and water quality

WP 2. Lake models

Lead: Ruby Asmah

Co-lead: Dennis Trolle

- Predictions of lake physics and primary production
- PhD on the physical and biogeochemical functioning of Lake Volta

WP 3. Fish productivity

Lead: Hederick Dankwa

Co-lead: Torben L. Lauridsen

- Predictions of fish productivity
- PhD on CC effects on fish productivity in Lake Volta

WP 4. Dissemination and education

Lead: Ruby Asmah

Co-lead: Hans Estrup Andersen

- Stakeholders
- Workshops
- Policy brief
- PhD students
- Scientists

Education

- 2 PhD (KNUST + UG)
- 2 Mphil
- PhD students on extended stays at Uni. of Aarhus
- Project internal workshops for PhD students and Ghanaian scientists in biophysical modelling
- Workshops in Ghana for graduate students, scientists and professionals in biophysical modelling

Dissemination

- within the scientific community

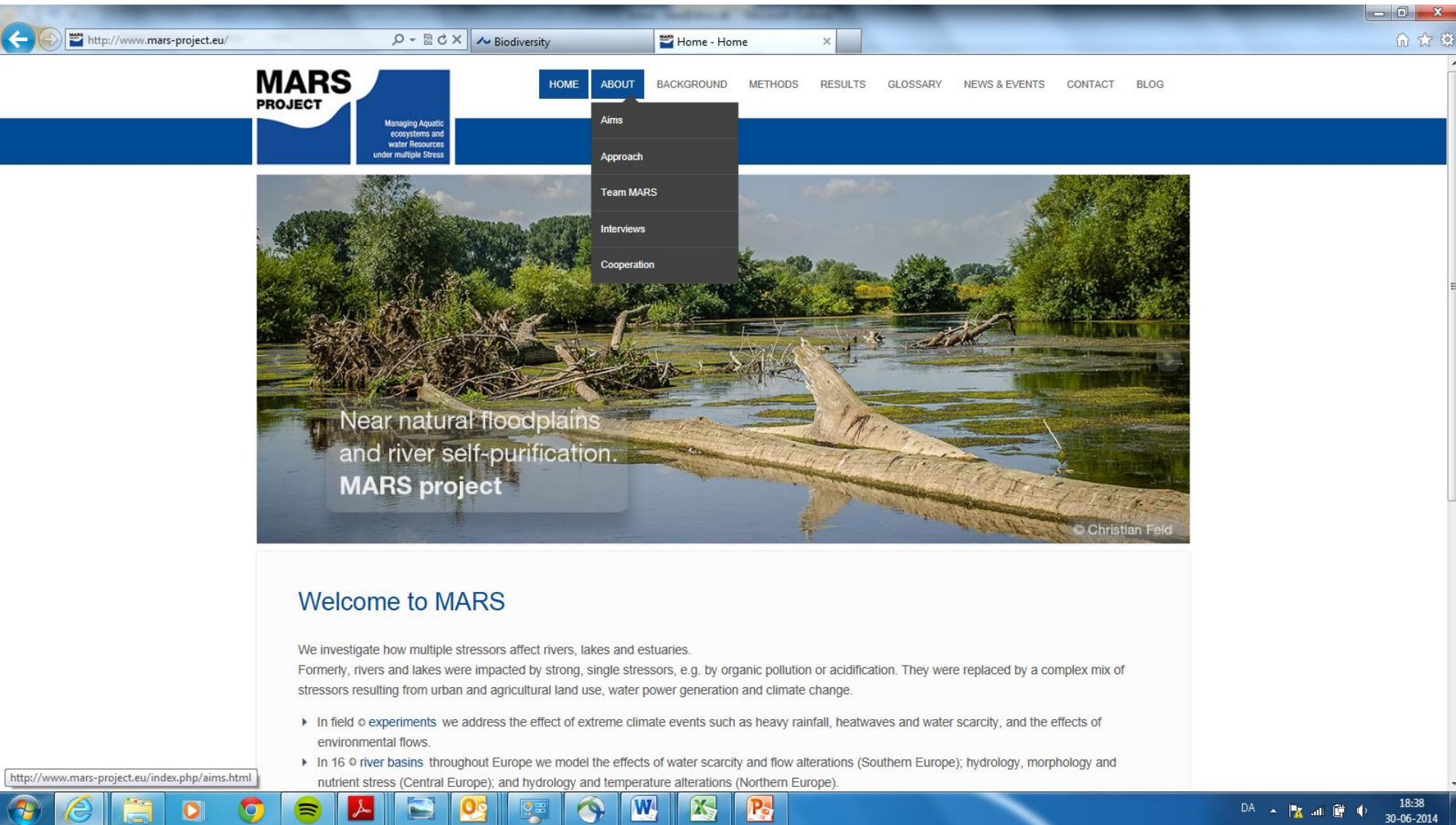
- PhD's and Ghanaian and Danish scientists will present results in national and international workshops and conferences
- PhD's and Ghanaian and Danish scientists will publish papers in international peer reviewed journals
- Ghanaian scientists and students will be integrated into international scientific network (GLEON, NETLAKE)

Dissemination

- wider outreach

- Project webpage

Dissemination and education



The screenshot shows the MARS Project website interface. At the top, there is a navigation bar with the following links: HOME, ABOUT, BACKGROUND, METHODS, RESULTS, GLOSSARY, NEWS & EVENTS, CONTACT, and BLOG. The 'ABOUT' menu is expanded, showing sub-links: Aims, Approach, Team MARS, Interviews, and Cooperation. The main content area features a large image of a river with fallen trees and driftwood. Overlaid on this image is the text: 'Near natural floodplains and river self-purification. MARS project'. Below the image, the heading 'Welcome to MARS' is followed by a paragraph: 'We investigate how multiple stressors affect rivers, lakes and estuaries. Formerly, rivers and lakes were impacted by strong, single stressors, e.g. by organic pollution or acidification. They were replaced by a complex mix of stressors resulting from urban and agricultural land use, water power generation and climate change.' This is followed by two bullet points: 'In field experiments we address the effect of extreme climate events such as heavy rainfall, heatwaves and water scarcity, and the effects of environmental flows.' and 'In 16 river basins throughout Europe we model the effects of water scarcity and flow alterations (Southern Europe); hydrology, morphology and nutrient stress (Central Europe); and hydrology and temperature alterations (Northern Europe)'. The browser's address bar shows 'http://www.mars-project.eu/index.php/aims.html'. The Windows taskbar at the bottom includes icons for various applications and the system tray shows the date '30-06-2014' and time '18:38'.

http://www.mars-project.eu/

Biodiversity

Home - Home

MARS PROJECT

Managing Aquatic ecosystems and water Resources under multiple Stress

HOME ABOUT BACKGROUND METHODS RESULTS GLOSSARY NEWS & EVENTS CONTACT BLOG

Aims

Approach

Team MARS

Interviews

Cooperation

Near natural floodplains and river self-purification.
MARS project

© Christian Feld

Welcome to MARS

We investigate how multiple stressors affect rivers, lakes and estuaries. Formerly, rivers and lakes were impacted by strong, single stressors, e.g. by organic pollution or acidification. They were replaced by a complex mix of stressors resulting from urban and agricultural land use, water power generation and climate change.

- ▶ In field experiments we address the effect of extreme climate events such as heavy rainfall, heatwaves and water scarcity, and the effects of environmental flows.
- ▶ In 16 river basins throughout Europe we model the effects of water scarcity and flow alterations (Southern Europe); hydrology, morphology and nutrient stress (Central Europe); and hydrology and temperature alterations (Northern Europe).

http://www.mars-project.eu/index.php/aims.html

18:38
30-06-2014

Dissemination

- wider outreach

- Project webpage
- Workshops in Accra (beginning and end of project) with stakeholders - representatives of farmers, fishermen and aqua culture industry, water companies - and representatives from universities, NGO's, FAO

Dissemination and education

The Advisory Committee

- *Volta River Authority*
- *Volta Basin Authority*
- *Fisheries Commission*
- *Water Resources Commission*
- *Ghana Aquaculture Association*
- *Environmental protection Agency*
- *Asuogyaman District Assembly*

Important tasks of The Advisory Committee:

- help us keep focus on policy relevant issues
- carry results to the policy making level
- help us develop policy briefs on project results (e.g. on potential management strategies to cope with predicted changes in fish productivity based on an understanding of the ecosystem functioning)



