



# NEWSLETTER

MARCH 2019 / Issue 2

## BRIEFS

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CONVERGES activity passes through its second stage. With regard to the time schedule following main activities are under elaboration:

WG1: Assess Riparian Vegetation Status, Assess RV pressures, Assess RV impacts;

WG2: Map of scientific knowledge; Map of management practices and tools; Map of social awareness;

WG3: Identify research priorities, barriers and opportunities; Identify and overcome misalignments between science or management and legislation; Identify and overcome misalignments between science or management with legislation;

WG4: Look for new partners; Promote the findings.

Along with the CONVERGES work following events with respect to our work passed by:  
 WORLD WETLANDS DAY - 2 Feb. 2019. This year it was dedicated to WETLANDS AND CLIMATE CHANGE - We are not powerless against climate change. Main messages appeal for their restoration, wise use and conservation.

WORLD WATER DAY - 22 March 2019, with theme: Leaving no one behind. Its main appeal is connected to the Sustainable Development Goal 6 (SDG 6) – to ensure availability and sustainable management of water for all, promised of the 2030 Agenda: as sustainable development progress, everyone must benefit.



**We are not powerless against climate change**

Wetlands help us prepare for, cope with and bounce back from the impacts of climate change

Source: Ramsar, World Wetlands Day

## CONVERGES NEWS

In March, 1 new country joined the network. Israel is now represented by Roey EGOZI, researcher at the Soil Erosion Research Station (Israel Ministry of Agriculture).

## CONVERGES EVENTS

### CONVERGES MC MEETING

Final preparations go to the next Converges meeting that will be held in Prague – at 3 and 4 April 2019.



You can find the Agenda on our site.

The event will be hosted by the Conference Center “Floret” in Pruhonice village on the edge of Prague (the city center is about 40 minutes by public transport) - <http://www.floret.cz/en/> . For more information about the local organization you can contact to our colleague Pavel Cudlin ([cudlin.p@czechglobe.cz](mailto:cudlin.p@czechglobe.cz))

## CONVERGES Publications

The first output of the Action is now online. S Dufour, PM Rodríguez-González and M. Laslier published a paper in ***Science of the Total Environment*** - "Tracing the scientific trajectory of riparian vegetation studies: Main topics, approaches and needs in a globally changing world".



Science of The Total Environment  
Volume 653, 25 February 2019, Pages 1168-1185



Review

Tracing the scientific trajectory of riparian vegetation studies: Main topics, approaches and needs in a globally changing world

Simon Dufour <sup>\*</sup>, Patricia María Rodríguez-González <sup>\*</sup>, Marianne Laslier <sup>\*</sup>

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<https://doi.org/10.1016/j.scitotenv.2018.10.383>

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This review highlights that future challenges in riparian vegetation studies include better knowledge sharing, integration of the social dimension and multiple pressure sources, and consideration of all geographic context.

Full text can be find on:

<https://www.sciencedirect.com/science/article/pii/S0048969718342839?via%3Dihub>

## EXTERNAL ISSUES

### External Publications - calls



**REMOTE SENSING – Open Access Journal:**  
**“Remote Sensing for EU Habitats Directive Application”**

This Special Issue is devoted to the links between remote sensing and ecological research communities that are now strengthening with the integration of reference vegetation databases (European Vegetation Archive, VegFrance, etc.) in remote-sensing-based models (machine learning classification, fuzzy approach, optimal transport approach, time-series classifiers, etc.).

One or more of the topics will be observed:

- Mapping and monitoring of habitat conservation status;
- Integrating satellite data in ecosystem modeling;
- Multiscale analysis (plant species/vegetal associations/habitats/vegetation series);
- Development of vegetation typologies;

- Reproducibility of satellite-based classification models;
- Integrating vegetation reference data in satellite images classification (unbalanced classes, weak sampling, temporal shifts, etc.).

Deadline for manuscript submissions: 30 September 2019.

More on: [https://www.mdpi.com/journal/remotesensing/special\\_issues/EU\\_Habitats](https://www.mdpi.com/journal/remotesensing/special_issues/EU_Habitats)



### **Water – Open Access Journal: “Riparian Vegetation in River Functioning”**

This Special Issue aims to provide an up-dated collection of articles, where scientists, researchers and experts can submit their novel results and innovative approaches dealing with the role of vegetation in river functioning (morphodynamics, water quality, flood management, etc.), riverine landscapes, river hydromorphological assessment and river management. It intends to include studies from different disciplines, since riverine plants taxonomy to riverine plants dynamic modelling; since vegetation as an essential component of fluvial hydromorphological and ecological assessments, having a major role as biological indicator of fluvial process, quality of river physical habitat and ecosystem services, to vegetation as a key component of remote sensing and spatial and temporal analysis of the landscape, or vegetation as a crucial management tool for river restoration and conservation.

Deadline for manuscript submissions: 31 May 2019.

More on: [http://www.mdpi.com/journal/water/special\\_issues/River\\_Riparian\\_Vegetation](http://www.mdpi.com/journal/water/special_issues/River_Riparian_Vegetation)

## COMING EVENTS



### **European Geosciences Union General Assembly 2019**

Some sessions of interest

- "Hydrochory and biotic transport in streams and open channels" (HS10.9).
- "Anthropogenic activities and continental environment dynamics (ITS5.6/GM6.2/BG1.46/CL2.28/ERE8.8/GI1.9/NH9.28/SSS13.27).
- Fluvial Systems: Dynamics and Interactions Across Scales (GM8.1/HS9.2.8/NH1.15/SSP3.5)
- Hydrogeomorphological and ecohydrological implications of catchment management and river restoration. (GM8.3/BG3.13/HS9.2.11)
- Implementation of the Flood Directive across Europe (NH1.8/HS11.61)
- Remote Sensing for Flood Dynamics Monitoring and Flood Mapping (HS6.3/NH6.19)
- Urban Ecohydrology: understanding urban-natural systems for the design of future cities (ITS6.3/HS10.13/AS4.53/BG1.26)
- Biogeomorphology: conceptualising and quantifying processes, rates and feedbacks (GM5.1/BG3.12/HS9.2.12)
- ...

See : [https://egu2019.eu/abstracts\\_and\\_programme/how\\_to\\_submit\\_an\\_abstract.html](https://egu2019.eu/abstracts_and_programme/how_to_submit_an_abstract.html)

## JOB OPPORTUNITIES

**Funded PhD Assistantships:**



- **Post-Doc Researcher position in Lisbon, Universidade de Lisboa, Instituto de Agronomia**

One doctorate to develop scientific research activities in the scientific field of Earth and Environmental Sciences for a public employment

contract with term, regarding developing research activities in the project “Screening *Alnus glutinosa* resistance to an emerging disease under climatic stressors: predicting alder forests resilience across river networks”.

For more information: <http://www.eracareers.pt/opportunities/index.aspx?task=global&jobId=111593>



• **PhD Scholarship: The Civil and Environmental Engineer Group at the University of Newcastle in Australia** propose opportunities in the research areas of:

- Ecohydrologic modeling tools (including optimization);
- Ecogeomorphologic modeling of semi-arid and humid environments, whether in hillslopes, rivers or floodplains;
- Modelling the impact of climate and anthropic change on hydrology and ecosystems.

Students will participate in collaborative research with internationally recognized research teams.

For contacts: Assoc. Prof. Jose Rodrigues (jfrodrig23@gmail.com)

## TRAINING COURSES

- **Training School on Unmanned Aerial Systems (UAS).**

Applications & Forestry, 1-4th April 2019, Cost Action FP1406 PINESTRENGTH

Organized by: Technical University of Crete & Maleme Military Airport, Chania, Crete island, Greece

It will provide the principles and essential knowledge required for safe operations of the latest cutting edge UAS for scientific environmental applications mainly focused in forestry. This will include meeting with pre-flight procedures and calibrations, development of basic flight skills in real flight conditions, use of a wide range of sensors for drone-based remote sensing in a variety of scientific applications and practice of open-source state-of-the-art software for flight planning and post-flight process of imagery data.

For contacts: [mvasconcelos@porto.ucp.pt](mailto:mvasconcelos@porto.ucp.pt)



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If you have some information to disseminate – you can send it to:

WG 4 Dissemination and outreach of results and outcomes  
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