

*Ladies and Gentlemen,*

*Khalil Gibran, the famous poet and philosopher, expressed his love and respect for trees in poetic words: "Trees are poems the earth writes upon the sky", he said. Forests are considered the most species-rich terrestrial ecosystems. They are extremely important for biodiversity. For companies in the forestry and wood industries and their downstream industries measures to protect biodiversity are therefore much less exotic than for many other business sectors. They are a core responsibility. Our member UPM is undertaking a broad range of substantial activities in this field, which we are introducing to you in this issue of our newsletter. The company receives worldwide recognition for its strategy, for example by receiving top rankings in the Dow Jones Sustainability Index. Enjoy reading and find some more news further below.*

*Yours sincerely,*

*'Biodiversity in Good Company' Initiative*



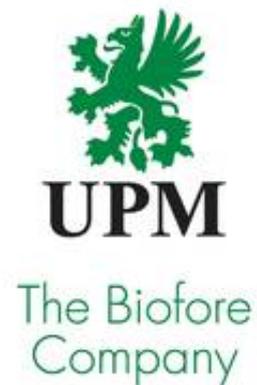
»At UPM the protection of biodiversity is a core element of sustainable forestry. Our global biodiversity programme defines clear targets and best practices to maintain biodiversity in forests – both our own and those of our suppliers. This is a key factor in fulfilling our corporate mission, which is to create added value from renewable and recyclable raw materials. In order to promote biodiversity in the value chain, UPM is actively involved in biodiversity work as a founding and board member of the 'Biodiversity in Good Company' Initiative.«

Dr. Bernd Eikens, Executive Vice President, UPM Paper ENA (Europe & North America)

## BIODIVERSITY ... in UPM's forests

### UPM explores new avenues in forest biodiversity with partners from the worlds of science and politics

UPM has developed a global biodiversity programme for 1.2 million hectares of company-owned forests to maintain and enhance biodiversity. The programme has been integrated into everyday forest management through the company's Forestry and Wood Sourcing Rules. The content and implementation of UPM's biodiversity programme has been developed in collaboration with the International Union for Conservation of Nature (IUCN) throughout 2012 and 2013. In countries where UPM does not own any forests, such as Germany, the company promotes biodiversity at its wood suppliers and together with partners from civil society, industry and politics.



### UPM and Weihenstephan-Triesdorf University of Applied Sciences (Hochschule Weihenstephan Triesdorf, HSWT) explore forest biodiversity in commercial forests

A current example is the research and development project "Fuel wood use and forest biodiversity" launched in October of 2012, in which UPM is involved as a representative of the forest-based industries. As part of the project, scientists from Weihenstephan-Triesdorf University of Applied Sciences are investigating the connection between energy wood production and biodiversity. Their aim is to develop concrete recommendations for promoting an appropriately balanced pursuit of commercial and nature conservation targets. At the same time, the research project is designed to strengthen the communication between commercially-focussed players, such as forest owners and the wood industry, and more protection-focussed groups, such as nature conservation agencies and organisations, in order to develop integrative solutions together.



### Beacons of biodiversity-oriented forestry in Germany

On 7 July 2014, Dr. Stefanie Eichiner, Senior Specialist, Environmental Management, UPM Paper ENA (Europe & North America), Dr. Anke Höltermann, Research Associate in the "Agriculture and Forestry" department of the Federal Agency for Nature Conservation, and a number of representatives from the environment agencies of different German Länder met with scientists from Weihenstephan-Triesdorf University of Applied Sciences in Freising for a two-day workshop on forest biodiversity. Project coordinator Dr. Miriam Hansbauer gave a preliminary report on the first results in the areas of indicators, usage scenarios and pilot regions in Bavaria, North-Rhine-Westphalia and Brandenburg. The three-year project was launched by professors Jörg Ewald and Andreas Rothe and is sponsored

by the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety as well as the Federal Agency for Nature Conservation. Included in the project is a competition designed to find examples of practices that combine wood energy use and biodiversity in an exemplary manner. The competition is directed at state-owned, municipal and private forestry companies as well as forest management associations and forestry cooperative companies. As industry representative on the project board, UPM is a member of the selection panel. The usage concepts of the beacon companies will be documented and presented to the public shortly.



### **Forest biodiversity in practice: Coppice-with-standards in Gerolfing near Ingolstadt**

On the second day, the participants were taken into the Gerolfinger oak forest in order to see practical examples of forest biodiversity. The Gerolfinger oak forest is located in the west of Ingolstadt, on the north shore of the Danube and is a part of the Natura-2000-site “Danube plains with Gerolfinger oak forest” and of the “Danube plains between Lech estuary and Ingolstadt” European bird conservation area. Here Hubert Krenzler, Head of the Ingolstadt forest district, took up coppice-with-standards again. Coppice-with-standards is a traditional form of silviculture combining two management systems: short-rotation coppice with stumps that produce coppice shoots and long-rotation forest stands with mostly uneven-aged overstory trees. According to Hubert Krenzler, coppice-with-standards is today very rare, although it was long considered a kind of all-purpose system, delivering all kinds of different forest products at the same time. However, it is now seeing renewed interest as a result of the increasing firewood demand and nature conservation considerations. A well-signposted network of paths and information boards in the Gerolfinger oak forest allows the general public to experience biodiversity first hand. In addition to this, the Ingolstadt tourism board offers guided themed hikes in the Gerolfinger oak forest.



### **UPM and Fraunhofer Institute investigate impacts of papermaking on biodiversity**

Another research project on biodiversity in forests that are mainly used as a resource for papermaking was launched in 2013. It is managed by UPM in cooperation with the Fraunhofer Institute for Building Physics in Leinfelden-Echterdingen. The aim of project manager Dr. Jan Paul Lindner is to quantify the impacts of the industrial production, usage and disposal of printing papers on biodiversity. His product-focussed approach is contrary to common research approaches, which determine the impacts of certain land use types without establishing a relation to a specific product. However, it is precisely the relation to the end product, in UPM's case, printing paper for magazines and advertising publications, which is important for critical consumers wishing to make an informed choice in the market. “The purpose of the project is to use



landscape features for describing the value of an area for biodiversity when making a lifecycle assessment,” explains Dr. Lindner. From the scientist’s point of view, relevant features include e.g. mixed forest stands, deadwood in the forest and ecosystems with nature-oriented fire management, i.e. attributes which distinguish good from bad forest management and which the scientist documented in UPM’s company-owned forest in Janakkala in Finland.

+++ Biodiversity Pieces +++ Biodiversity Pieces +++ Biodiversity Pieces +++

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### Save-the-date 9 Dec 2014: Quarry Life Award 2014 Ceremony

Mark your calendars!  
December 9<sup>th</sup> 2014

Join us to celebrate the Quarry Life Award at  
**THE INTERNATIONAL AWARD CEREMONY 2014**

The Ceremony will take place at the Hotel Ambassador Zlata Husa, Prague, Czech Republic on 9<sup>th</sup> December 2014.

Programme:

- 6:00 Welcome address
- 6:30 Keynote speech by Nick Baker  
"Stories of the beautiful and the beautifully strange"
- 7:30 International Award Ceremony – Edition 2014
- 8:30 Reception

Invitation with registration details will be sent in the course of September. In the meantime already mark your calendars by saving the attached item.

Let us celebrate together that Nature is the biggest winner of the Quarry Life Award!

The Quarry Life Award team

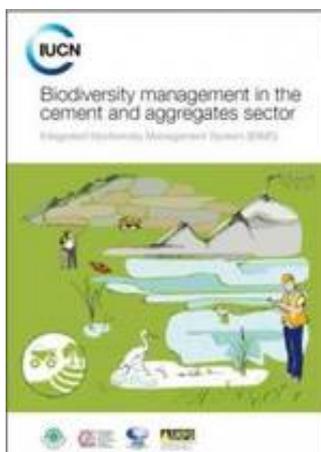
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THE QUARRY LIFE AWARD

For further information, please visit <http://www.quarrylifeaward.com/>

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### IUCN Publishes Biodiversity Guide for the Cement and Aggregates Sector



IUCN, International Union for Conservation of Nature, together with the Cement Sustainability Initiative and further partners, recently published a guide for an Integrated Biodiversity Management System in the cement and aggregates sector (IBMS) as a way to help companies to reduce risks and enhance opportunities for biodiversity and ecosystems.

Concrete is one of the most utilised resources in the world. Extraction of materials for concrete production can have significant environmental impacts. On the other hand, cement and aggregates companies as well as other extractive industries have the ability to really make a difference by a responsible environmental and biodiversity management. This is why companies such as HeidelbergCement or Knauf joined our network.

The new brochure introduces the concepts of biodiversity and ecosystems, as well as the importance of conservation. It outlines the structure of an Integrated Biodiversity Management System and some of its key features. Afterwards it discusses, among other things, what a biodiversity policy and targets should contain, how to carry out risk and opportunity assessments and how biodiversity management can work during operations. IBMS was designed with the cement and aggregates sector in mind, but IUCN suggests that the approach can be effectively trialled and adapted to other extractive industries.

The publication can be [downloaded from the IUCN website](#)

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## Aletta Bonn Appointed Professor for "Ecosystem Services"



Fresh impetus for biodiversity research in Germany: The joint appointment process of the German Centre for Integrative Biodiversity Research (iDiv), Helmholtz Centre for Environmental Research – UFZ and the University of Jena for the professorship "Ecosystem Services" is completed. At the end of July, Aletta Bonn took over the leadership of the iDiv research group. At the same time, she is head of the Department for Ecosystem Services at the UFZ. As the ecosystem service concept links biodiversity, ecosystem function and human well-being, Aletta Bonn naturally works across disciplines and sectors.

[Full press Release in German only](#)

More information about the iDiv research approach at the [iDiv homepage](#)

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## Imprint

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**Board** according to German law § 26 BGB

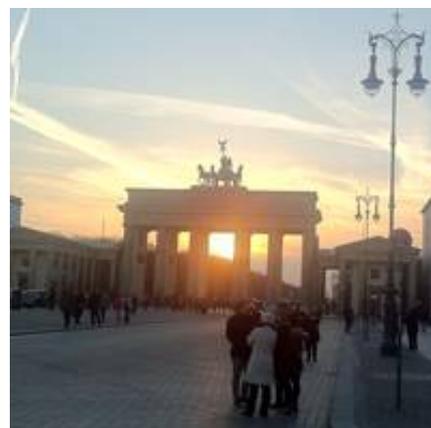
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