

## Dear BioNova Partners & Customers,

We had to wait a long time after a cold winter. The world is beginning to sprout some green and spring is in the air! It's a busy, though wonderful, time of year for yard and garden enthusiasts. If you are already the lucky owner of a BioNova Natural Pool, you should definitely begin spring maintenance procedures. If not, this would be the perfect moment to bring your natural pool visions to life. With the right partner at your side, you could be diving into your own natural pool this summer. So enjoy reading this month's newsletter.

Your BioNova Global Head Office Team

Rainer Grafinger, Christine Schoeck, Andrea Enseleit, Stephanie & Jusuf Rifatov

## Project of the month



This month, we want to present you with a real treasure – a gem of an NSP that takes up a mere 22 qm.

Herrmann Kratzwald, from the company Teuffenbach GmbH, built this small swimming pond paradise for a family in Hermagor, Austria.

The 7 qm swimming basin was designed as a “vintage” pool with geometrical form. The skimmers are hidden under a wooden border surrounding the perimeter. The used water is biologically treated in the 15 qm regeneration area before being pumped back into the swimming area.

Because of the total structural separation of regeneration and swimming areas, the kids can frolic about the pool with no chance of disturbing the

water plants. The stainless steel ladder ensures that everyone can get into the NSP safely.

This NSP demonstrates that it's possible to combine the facilities of a traditional swimming pool with the vivid plant palette and inviting feel of chemical free water.

## The BioNova Family



his own yard is the best proof of this (shown in the picture). A local TV station even did a report on this beautiful natural swimming pool.

Because of his lengthy experience in the business, Mr. Sobotta is the ideal partner for helping new BioNova partners with their first projects -and he does. He also holds lectures at the BioNova training events about hydraulic and building methods, which are always very interesting for all partners.

For further information please visit:  
[www.Badeteiche-online.de](http://www.Badeteiche-online.de)

Niklas Sobotta, from Niedenstein (Hesse / Germany), can be rightly declared as the most successful BioNova partner. He's been part of the BioNova family since March of 1999, and has built about 100 NSPs and biological pools up to now.

He founded the company "Gardening and Landscaping Niklas Sobotta" in 1988. Given the staff made up of skilled workers and the company's full outfit of machinery, Niklas Sobotta and his team are normally able to perform all work from the planning through construction of NSPs.

Niklas Sobotta is absolutely convinced of the idea of biological swimming. The fact that he built a BioNova NSP in



## Dates 2011

Training events, fairs, meetings – we've got a lot going on with the BioNova Family! Review the following to see where the next activities of the BioNova Global Head Office and the BioNova Partners will take place:

### April 2011

**Information event with tour**  
March 16, 2011, Binningen (Switzerland)  
On Saturday, 16th, 2011 the company VIVA Gartenbau AG will organize an informative event with tour at its property at Binningen.  
For further information please visit:  
[www.viva-gartenbau.ch/html/4veranstaltungen.html](http://www.viva-gartenbau.ch/html/4veranstaltungen.html)

### May 2011

**Open house day**  
May, 7 - 8, 2011, Wickrange (Luxembourg)  
The company Plantations Weisen will open its doors for all interested people these days.  
Contact: Plantations Weisen  
19 rue des 3 Cantons  
3980 Wickrange / Luxembourg  
Tel: +352 (0)-379149, E-mail: [weisenre@pt.lu](mailto:weisenre@pt.lu)

**Hands-on course on maintenance of NSPs / biological pools**  
May, 14, 2011, Binningen (Swiss)  
On Saturday, May 14, 2011 our Swiss partner VIVA Gartenbau AG (Bündtenmattstr. 19, CH-4102 Binningen) will offer a hands-on course about the maintenance of natural swimming pools and biological pools. To find more information, please visit: <http://www.viva-gartenbau.ch/html/4veranstaltungen.html>

**Aqua-Therm**  
May, 16 - 19, 2011, Kiev (Ukraine)  
The BioNova partner „Homepark“ will represent BioNova NSPs and biological pools at the 13th Aqua-Term in Kiev. For further information, please visit: <http://www.aquatherm-kiev.com/>

### Looking back on past events



#### poolasia in Phuket (Thailand)

From March 4 - 6, 2011, BioNova Natural Swimming Pools were represented for the first time on the Asian Continent.

At the „poolasia“ exhibition, which took place in Phuket, Thailand, Rainer Grafinger (head of BioNova) informed interested visitors about the profits and possibilities of chemical-free swimming. The booth was very popular, and Mr. Grafinger is confident that his product will break also into the Asian market soon.



#### InterBudExpo, Kiev (Ukraine)

The company Homepark was presented BioNova's system for NSPs at the InterBudExpo fair for the first time in the Ukraine.

In the photo, you can see Andrew and Olga Osetyan behind the imitation of a BioNova NSP. In the past year they have finished their first NSP, near Kiev. The owner of the building was fully satisfied, so it was a great success for Homepark.

## BioNova's biological pool

A symbiosis of traditional swimming pool and natural swimming pool



Up until recently, customers had to choose either a traditional chlorinated swimming pool or a natural swimming pool. By 2003, however, some clever experts within the BioNova group developed the first swimming pool with a biological cleaning system made up of planted wetland. They used their knowledge from building public natural pools and findings from their research facilities. To protect their intellectual property from plagiarism, they applied for a worldwide patent.

The biological pool is characterized by the total separation of swimming and regeneration area. Water from the pool flows over a weir edge (typically either into a collection gutter or over a vanishing edge wall) by gravity into the regeneration area. After conditioning, it's carried

back by pumps into the swimming area.

Using this technology, smaller pools with smaller volumes of water can accommodate relatively higher bather loads. In order to increase usable area, the BioNova experts developed a cleaning system which can double as lounging space or for terracing.

The water in the biological pool circulates continuously. The water flows over and passes through a filter that separates out any debris and biomass before being sent to the biological cleaning system.

This regeneration zone can be planted with water plants, also with blooming varieties such as water lilies and irises. The regeneration zone is a water garden that functions as a natural ecosystem or biotope and lends itself to studies and observation.

The regeneration is guaranteed by microorganisms and water plants.

Enhanced hydraulics optimize the cleaning performance of the planted wetland. The most efficient pumps are installed so operating costs are kept low. Water is recirculated back into the swimming area through nozzles in the ground or wall of the main pool.

The design of the biological pool is very customizable and can be constructed with a traditional geometrical basin or a basin made of rocks. The swimming pool can be finished with stainless steel, plastic, concrete, natural stone or liner. The materials used depend primarily on the customer's vision for their pool.

Since its market introduction, the BioNova biological pool has been introduced on all 6 continents and is fascinating people with its clear, natural water all over the world.

## BioNova Historical



In 2006, our Australian partner, Peter Watson (Paz & Watson), installed the first public BioNova NSP „down under“. He was assisted by the BioNova Global Head Office from Germany in the planning of this project.

The 150 qm BioNova NSP was built in 2-Pot-Building-Method with shotcrete lining. It was designed for a bed-and-breakfast inn at Byron Bay, in the province of New South Wales. It was quite well adapted to the local climate.

Although the summers are very hot and the NSP is used heavily, the biological water treatment system does its job effectively. The total separation of the regeneration area and the innovative BioNova pond technology make it possible to sustain the aquatic balance even under such extreme conditions.

