

**BRAINPORT
OPEN INNOVATIE IN EEN
UNIEK ECO-SYSTEEM**

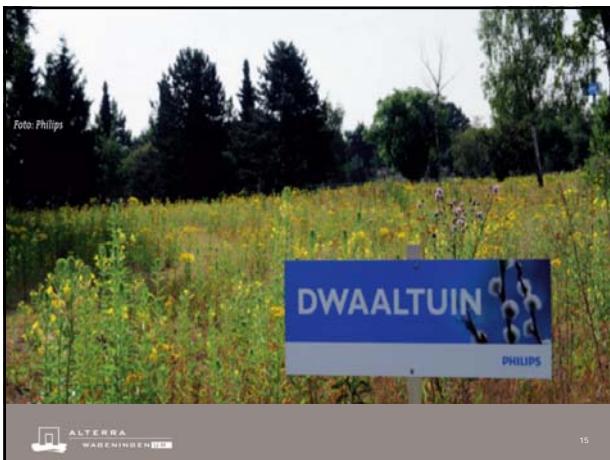
Rondom de bloeiende kennis- en maakindustrie ontstaat een steeds groter en fijnmaziger raamwerk van binnen- en buitenlandse toeleveranciers en dienstverleners.

De complete waardeketen is vertegenwoordigd: van fundamentele research tot marketing. Een prima omgeving voor de typische Brainport ondernemer met een Kennis-Kunde-Kassa mentaliteit.

Een omgeving boven dien, die uitnodigt tot open innovatie. Allerlei specialistische kennis is binnen handbereik. Concurrenten zoeken elkaar op. Ze gunnen elkaar een kijkje in de keuken en delen ideeën in de onderzoeksfase van productontwikkeling.

Een belangrijk onderdeel van het eco-systeem is een gezonde arbeidsmarkt. Daarom investeert Brainport in onderwijs dat op de vraag is gelijnd en in het aantrekken van buitenlandse kenniswerkers.





 WILDLIFE HABITAT COUNCIL

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OUR IMPACT • GET STARTED • GET CERTIFIED • KNOWLEDGE CENTER • ABOUT •

What We Do



We help make every act of conservation matter.

Celebrating and empowering all acts of conservation is at the core of what we do, whether it's a simple pollinator garden or a complex wetlands restoration.

We help companies further corporate goals.

WHC conservation programs advance companies' biodiversity, sustainability, employee engagement and community relations goals.

We help companies help nature.

Successful WHC conservation programs aligned with local, regional and national conservation priorities contribute to the collective positive outcome for the environment.

We build collaborations for conservation.

We partner with corporations, their employees, fellow conservation organizations, government agencies and community members to recognize and encourage wildlife habitat projects for conservation, education and recreation.

Our work is unparalleled.

Using the tools, resources and expertise available, we work closely with partners to develop, establish,



Complimentary white paper
Prioritizing Pollinators in Corporate America



Download the white paper ▶



PROJECT GUIDANCES

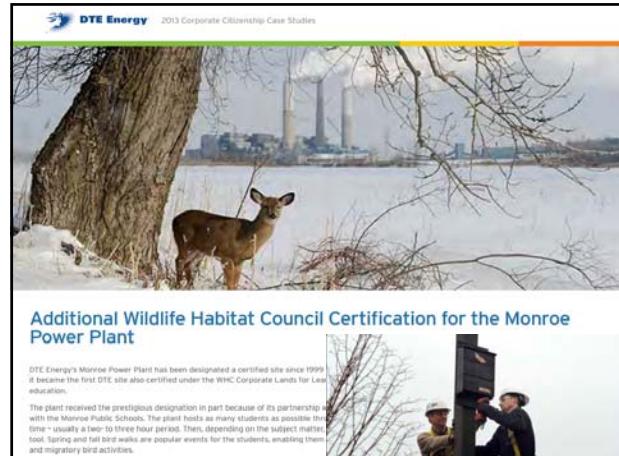


Pollinator Project Guidance
A step-by-step guide to creating a successful pollinator habitat.



Corporate Members	
2020 PBM	WHEELBARROW CONSOLIDATED
Sinds 1988!	
3M	
Abbott	Industrial Asphalt, Inc., and KRDJ, LP of Austin
American Adhesive Corporation	TIC Holdings
AkzoNobel	JF New & Associates
American Electric Power	Kinder Morgan
Anheuser-Busch Companies, Inc.	Koch Industries, Inc. & Subsidiaries
Ash Grove Cement Company	Lafarge
BASF Corporation	Marathon Oil Corporation
Bayer Corporation	Mars, Inc.
BB&T	Merck & Company, Inc.
Benjamin Moore & Co.	Monsanto Company
BP	Motors
Bridgestone Americas Holding, Inc.	Nestle, Inc.
Bristol-Myers Squibb Company	NextEra Energy, Inc.
Caterpillar	NRG Energy, Inc.
CASE	Occidental Petroleum Corporation
CNA/24-HR	Oncorite Materials
Chevron	Ontario Power Generation
CITGO Petroleum Corporation	Pacific Gas & Electric
Citigroup Inc.	Pecos Holdings, Inc.
Cigna	PG&E
ConocoPhillips	PPG Industries, Inc.
Comcast Business Capital, LLC	Raytheon Company
Constellation Energy	Republic Services, Inc.
Consumers Energy	Seas Holdings Corporation
CourseCo, Inc.	Shaw Cos. Company
CTI Energy	Spectra Energy
Dairy Farmers Company	Southwestern Bell Operating Company
EDL, LLC and Commodity	Stantec
Ensign United States Drilling	Talecris Biotherapeutics
ETHIX	Tenneco International (Canada) Inc.
EVIBOR Holdings, Inc.	The Boeing Company
Environmental Logistics Services, LLC	The Dow Chemical Company
ExxonMobil	Total Petrochemicals USA, Inc.





Environmental stakeholder management as business strategy: the case of the corporate wildlife habitat enhancement programme

H. Cordakowski and D. J. Lober*

A recent survey of corporate environmental managers revealed that environmental management is not just a cost, but a strategic business tool. This paper presents the results of a study conducted by the National Wildlife Federation (NWF) to evaluate corporate environmental management programs. The study found that companies that have adopted environmental management programs are more likely to be successful in their business operations than those that have not adopted such programs. The study also found that companies that have adopted environmental management programs are more likely to be successful in their business operations than those that have not adopted such programs.

Many companies that have adopted environmental management programs report significant improvements in their business operations and in their employees' job satisfaction. These improvements include better communication, improved employee morale, and improved community relations. The study also found that companies that have adopted environmental management programs are more likely to be successful in their business operations than those that have not adopted such programs.

Results:

- 59% improved employee morale
- 60% positive effect on community relations
- 49% improved relationship with regulators
- 50% annual cost savings





Japan Business Initiative for Biodiversity

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Our Objectives

JBIB aims to make substantial contributions toward the conservation of biodiversity in our capacity as corporations. We have set the objectives of our activities as follows and will keep continuing to make such efforts.

1. To explore links between business and biodiversity and to use that knowledge in our business practices
2. To promote dialogues and collaborations with stakeholders
3. To share good practices within Japan and abroad
4. To advocate and undertake educational efforts for the promotion of biodiversity conservation
5. To conduct projects to fulfill the aforementioned objectives

Working Groups

- Business-Biodiversity Interrelationship Map
- Sustainable Land Use
- Forest Creation for Conservation
- Water and Ecosystems
- Responsible Procurement

Good Practices

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ICT for conservation of biodiversity

The Fujitsu Group believes that activities including monitoring, collecting, analyzing, evaluating and managing information using information and communications technologies (ICT) such as sensing, network, cloud, and mobile devices can contribute to conservation and the sustainable use of biodiversity. The following is an introduction of some examples of Fujitsu Group's biodiversity conservation activities.

Case 1: Employing voice recognition technology to protect endangered species

Blakiston's fish owl is an endangered species, with only about 140 birds remaining in the world. The Wild Bird Society of Japan is conducting a survey of the Blakiston's fish owl's habitats to protect this owl. In studies up to now, recorded data of owl calls were replayed on commercial software and the presence of the owl was confirmed through listening or visual inspection of the sound spectrum. A problem existed in that it took several hours to process, requiring about one hour to analyze three hours worth of recorded data and the possibility of erroneous data due to human errors in confirmation. The Fujitsu Group developed specialized software that automatically identifies the calls of Blakiston's fish owl by matching them with templated data of the owl's call characteristics. Through this software, three hours worth of recorded data can be analyzed within a few minutes, and high precision identification is possible. The results were also used by Nippon Paper Industries to establish areas for protection of Blakiston's fish owl in the company's forests.

FUJITSU
shaping tomorrow with you

Case 2: Employing a mobile photo system and cloud services for biological monitoring by citizen participants

The mobile photo system is a system in which GPS-equipped mobile phones or smartphones are used to take photos of wildlife, which are then sent as email attachments and stored in a cloud database, with this data displayed on a map available for online browsing. It can manage data collected by citizen scientists on what kinds of living organisms were living where and when.

Fujitsu Group provides this mobile photo system to local governments and scientific organizations for monitoring and protection to conserve biodiversity, and in this way it is contributing in the advancement of surveys to protect biodiversity. This system is employed by Tohoku University to survey the situation and predict the distribution of the bumblebee for the conservation of this key pollinator of many kinds of crops. The city of Kurashiki is also using this system to grasp the situation of the natural environment in the city as part of activities conducted under its local biodiversity strategy.

Mobile Phone Photo System

- 1 Collect biological information using mobile phones, etc.**
 - Take Photo
 - Get GPS data
 - Get time stamp
 - Mail
- 2 Search, view, and download collected information**
 - Search and view biodiversity data
 - Display map
 - Source data (Operation manager)
 - Sort and publicize
 - Download
 - Search and view

Fujitsu Cloud IaaS Trusted Public SSI(TPSS)



SHINYA

**企画課による環境コミュニケーションの実現
Enhancement of environmental communication**

Through corporate green space

人間視点 Human viewpoint

- 2005年～2009年 1992 to 2009
- 「廃材利用の森林工場」の実現へ、廃木材資源の活用拡大、ソニーの森
■ Realization of "Forest factory using waste wood"
- "Promotion of the green cause on the premises, Sony Forest"
- 2009年～2013年 2009 to 2013
- 「廃材利用の森林公園」の実現へ、ソニーの森の開拓と整備
■ Realization of a "Forest park open to the local community"
 - "Opening of the Sony Forest to the local community"
 - Sony Forest Park
 - Sony Forest Park
- 「森林資源の活用化」を通じたソニーの森林政策
■ Utilization of forest resources to realize our forest policy

Participation in local environmental projects like tree planting and clean-ups.

生み地視点 Creatives' viewpoint

- 1 2009年 「廃材利用の森林工場」の実現へ向けて、生み地担当が力を発揮し上場までの取り組み
- 1 2009 and after SONY FOREST activities with the conservation of biodiversity is based on the realization of a "Forest factory integrated with the local community".
 →ソニーの森をもとにした環境コミュニケーションの実現
 → Realization of environmental communications, centered on the Sony Forest
 - ・技術革新による森林の整備と再生&活用
 - ・Development of the Forest with employee involvement and its further utilization
 - ・廃木材資源の活用拡大・整備
 - ・Participation in 2010 FOREST activities with the local community
 - ・Sony Forest Parkのソニーの森の開拓
 - ・Tree planting and clean-ups

Timeline	
1995	Satoyama development begins in a forest owned by TMC in the suburbs of Toyota City
1997	Forest of Toyota opens
1998	Eco-no-Mori Seminar, an environmental education program, conducted (continued until 2005) Eco-monitoring conducted to measure the effects of development (continued until 2008)
2001	Hands-on nature programs for local elementary schoolchildren begin
2003	Satoyama Learning Center Eco-no-Mori House opens
Milestones	
1999	Forest of Toyota wins Greenery Day, Natural Environment Distinguished Service Award
2004	Forest of Toyota wins Land, Infrastructure, Transport and Tourism Minister's Award at the 24th Green City Award
2010	Forest of Toyota wins Chairman's Award at the First Contest for Corporate Activities on Biodiversity
2011	Forest of Toyota certified at Superlative Stage under Social and Environmental Green Evaluation System (SEGES)
Feb 2012	Cumulative visitors reached 100,000 persons





SCORE MET DE BIODIVERSE CAMPUS

Mijn meest populaire tweet is een berichtje met een overzicht van campus-initiatieven op de kaart van Nederland. De campus is en blijft hot! Zo komt er een Economische Zaken, het wordt het kenniscentrum van de Rijksoverheid met drie planbureaus. Even verderop in Den Haag verruilt de New World Campus, in mondaine ontwikkeling. En in Helmond timmert de Automotive Campus hard aan de weg. Is het oude wijn in nieuwe zakken, of is het een echt anderje aanje deze tijd?

De campus heeft toegangsgedeerde waarden:

- het ligt niet alleen in nieuwe zakken. Zo is sinds medio 2012 op de vijfenvijftig campussen het aantal bedrijven met bijna 10 procent gestegen.
- waardoorontwikkeling van vastgoed op campussen is een stuk gunstiger dan gemiddeld. Vastgoed op een campus wordt gemiddeld twee keer zo snel verkocht.
- En volgens recent onderzoek van de London Financial Times is Eindhoven 'the rising star for global investors'; onder andere vanwege de incubator faciliteiten.
- Eindhoven de eerste plaats op in de Financial Direct Investment Index voor middelgrote economische regio's.
- De conclusie is helder: in termen van ruimtelijke campusbenedeling een aantrekkelijk alternatief voor de traditionele locatiedevelopping die in Nederland op de meeste plekken tot stilstand is gekomen.

Campusbenedeling is bij hoog dynamisch en concreet:

- De dynamiek in de economie is in de automobielcontext is een blijft groot. Hoe blijven wetenschap en onderwijs voortgang lopen? Hoe blijven bedrijven de economische waardepuunt steeds meer van Europa wegsluipen? Dat kan door voortdurend te innoveren, steeds de beste samenwerkingspartners te zoeken.
- Campusbenedeling is een goed middel om vitale productiemilieus te creëren, om dat wat ouderwets woud nog maar eens te gebruiken. Uiteraard mits de ingebied in een slimme ruimtelijk-economische strategie.

Verbinden is de essentie

Partijen uit de wereld van overheid, onderwijs, onderzoek en bedrijfsleven slagen samenwerken, dat is de essentie van een campus. Partijen bij elkaar klimaat scheppen dat innovatie en economische ontwikkeling versnelt. Campusbenedeling draait om het verbinden van mensen, met als doel het faciliteren van bedrijven en organisaties. Campusmanagement heeft daarbij vooral als doel het stimuleren en faciliteren van ontmoeting.

Hartelijk dank voor uw aandacht!

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ALTERRA
WAGENINGEN