



DOW'S VALUING NATURE JOURNEY

France Guertin

Engineered Natural Technology Leader &
Valuing Nature Technology Leader
Dow Environmental Technology Center

February 10th, 2021



NATURE MOMENT



Photo Credit: Gord McKenna CC-BY-NC

What if our human biome were benchmarked against Nature?

PILOTS – BUILDING THE CASE FOR NATURE

- Rigorous scientific underpinnings & risk analysis
- Closing knowledge gaps
- Internal & external studies

Conclusion

- Often significant cost savings
- Lower environmental footprint
- Co-benefits/ Stacked benefits

And...

- Safe to Operate
- Invest in an appreciating asset
- Multi-functional!

Diving Deep into a treatment wetlands

Net Present Value versus Alternative: \$282 million



10 Years: Collaborating on the Value of Nature to Business



Value of Nature

Improved Business
Decisions



Business Processes

Valuing Nature Goal

Dow applies a business-decision process that values nature, which will deliver business value and natural capital value through projects that are good for the company and better for ecosystems.



Deliver \$1 billion in value through projects that are good for business and better for nature

Screen all capital and real estate projects, business development and new products for potential benefits and impacts to nature by 2020



Top-Down Goal



Technical foundation is critical but not sufficient...



Bottom-Up Culture Change

The Value Is Real



95 projects to date:

- ~60% benefited **Clean Water** and **Clean Air**
- ~50% addressed **Soil Quality** improvements
- >50% benefited **Healthy Ecosystems**

Engineered Natural Technology- Applying elements of nature to engineered systems



Sus landscaping
Leuna, Germany



Terneuzen Recycle
The Netherlands



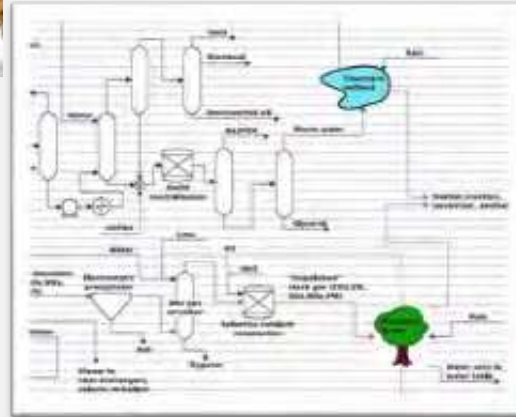
Seadrift Wetlands
Texas



Boehlen Re-Use
Germany



Slope Stability
Aratu, Brazil



Ash Pond
Remediation
Midland, MI



Bioswale, New Jersey



Pointe-Aux-Chênes, LA



Fire Water Wetlands
Elizabethtown, KY



Limestone Channel
Hot Springs, AR

A Decade of Progress

