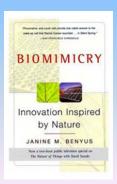


Biomimicry

Studies nature's best ideas and then imitates these designs and processes to solve human problems









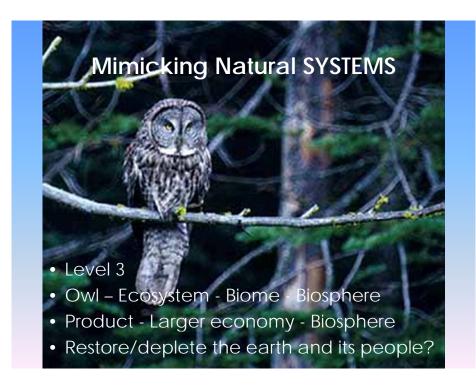
The Secret to Survival

- Animals, plants, and microbes
- Consummate researchers, engineers & designers
- Have found:
 - What works
 - What is appropriate
 - WHAT LASTS

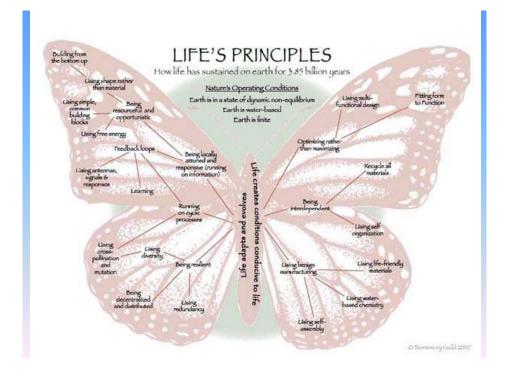








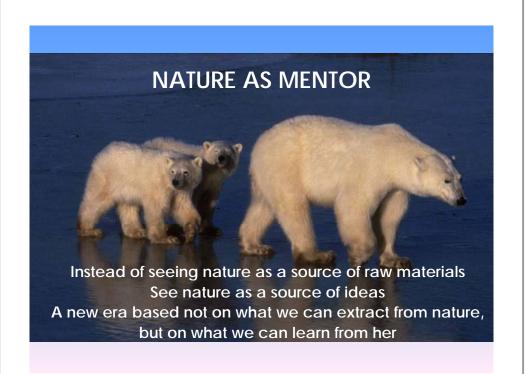




Nature's Life Principles

- Runs on sunlight
- Uses only the energy it needs
 - Fits form to function
 - Recycles everything
 - Rewards cooperation
 - Banks on diversity
 - Demands local expertise
- Curbs excesses from within
- Filters water, cleans air, builds soil







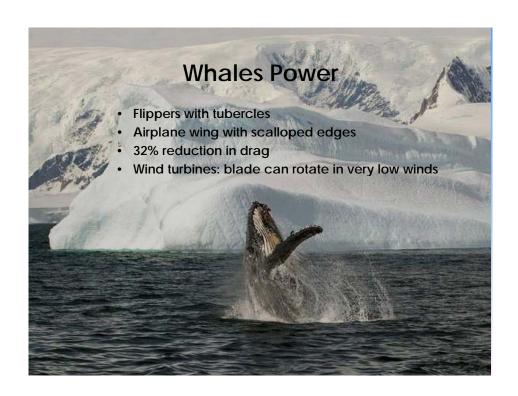
NATURE AS MODEL

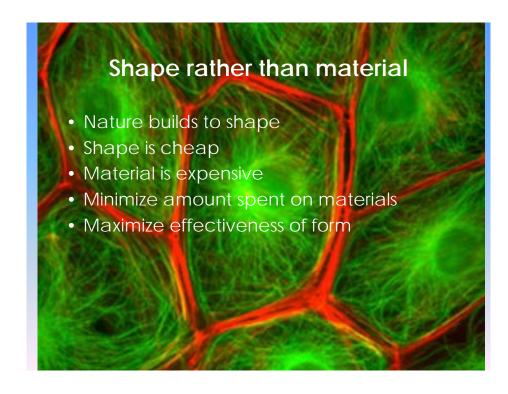
- Emulating nature's time tested:
 - designs
 - chemical recipes
 - ecosystem strategies

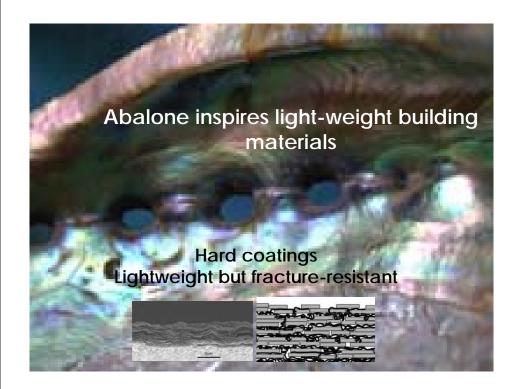




















- Namibian Beetle fog-catching device
- 10x more water than nets
- Bumps with water-loving tips and watershedding sides
- QinetiQ (UK) plastic water-harvesting sheets



































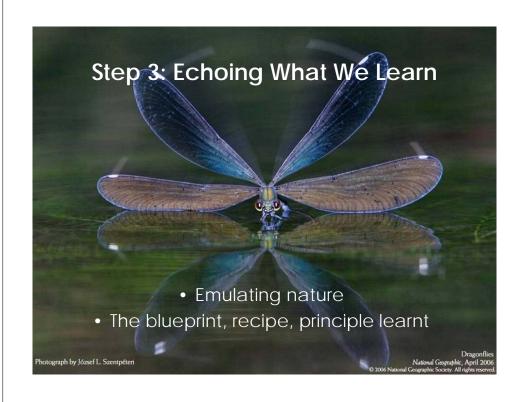
















Energy













Epiphytes

Leveraging interdependence















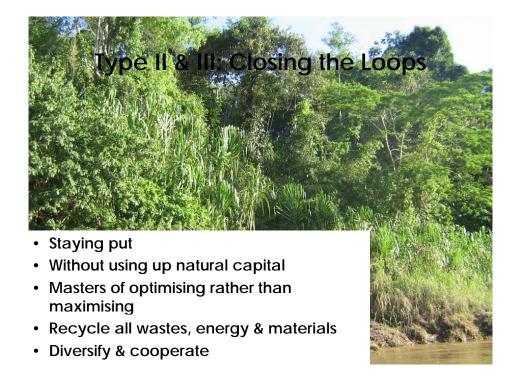




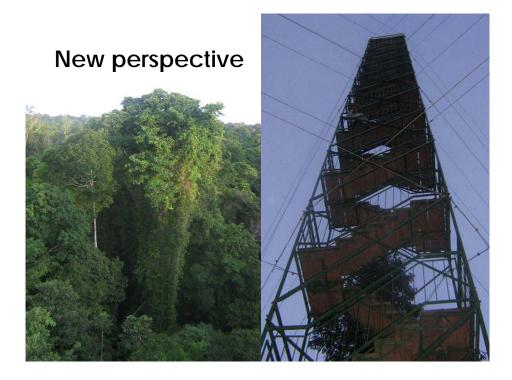














Opportunities

- Nature's models for integration, collaboration?
- Nature's models for managing health?
- Beyond sustainability
- Innovative research & opportunities for African examples
- Biomimicry in SANParks...
- How does nature share information?
- How does nature manage boundaries, etc.

Thank You



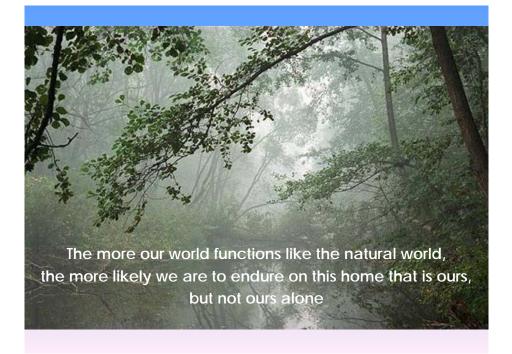
Costa Rica Workshop

WHEN & WHERE

- Thursday through Thursday
- April 10 17, 2008
- · La Cusinga Lodge, Pacific Coast, Uvita, Costa Rica

www.biomimicryguild.com





Less of this/More of this

- Linear production
- Win-lose
- Extraction/exploitation
- Mechanistic
- Mass produced/Large inventories
- Market driven
- Uniformity
- Economy of scale
- Compartmentalised
- Profit as End
- Hierarchical
- Fast-paced/hurried
- Bottom-line accounting
- Near-term focus

- Cyclical systems
- Win-win
- Symbiosis/Harmony
- Organic
- Just-in-time/ Just-in place
- Community/context oriented
- Celebrate diversity
- Ecology of scale
- Systemic
- Profit as Means
- Self-organising
- · Rhythms of life
- Integrated/FCA
- · Future cognisant