

GREEN INFRASTRUCTURE

FOR SMALL COMMUNITIES

Trees, People, and Towns Conference
July 13, 2016

FUNCTIONAL REGIONAL LANDSCAPES

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OVERVIEW

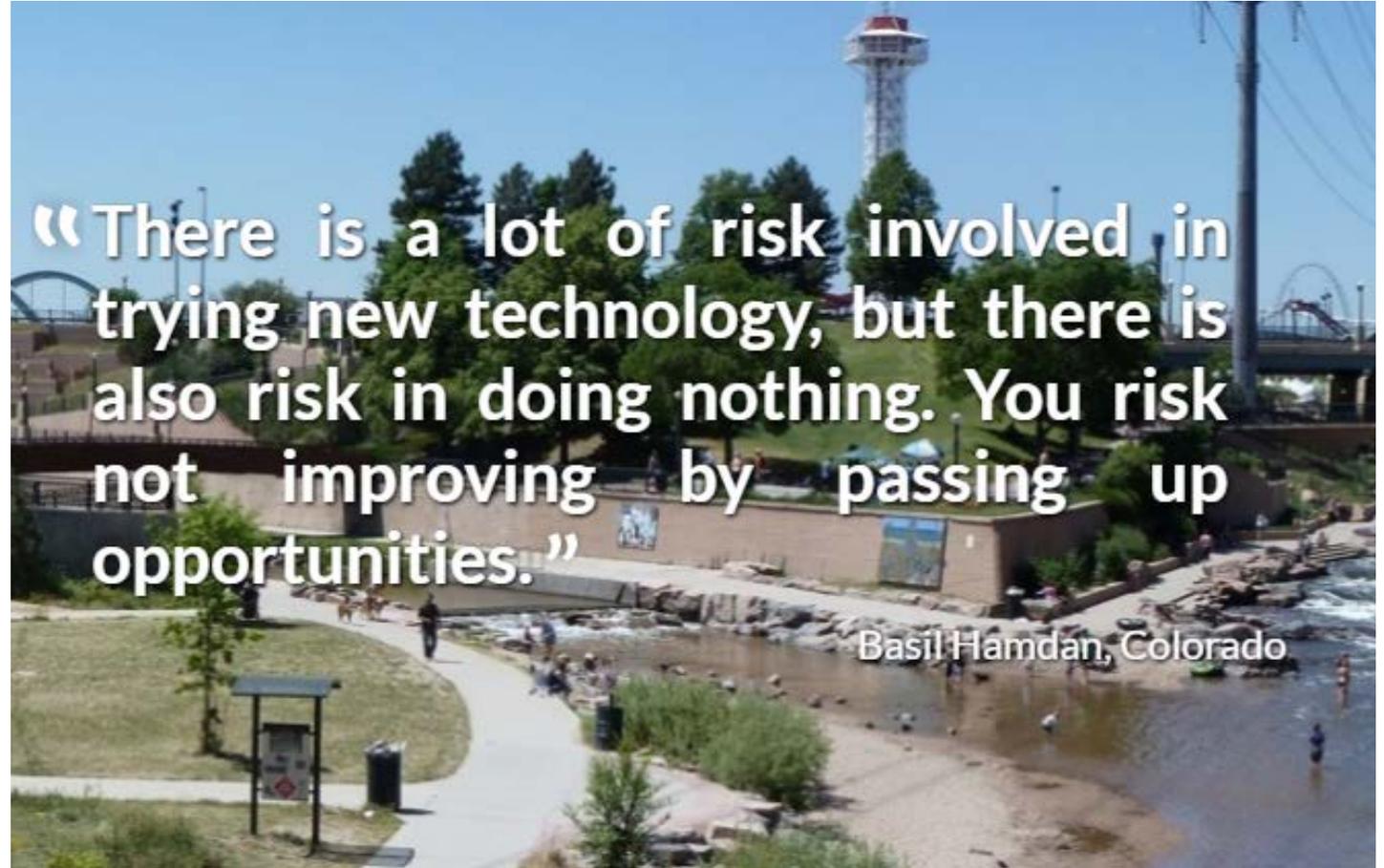
Definitions

Approaches

Examples

Discussion

Resources



DEFINITIONS

A **strategically planned and managed network** of natural lands, working landscapes, and other open spaces that conserves ecosystem values and functions and **provides** associated benefits to human populations. (Source: Benedict & McMahon 2006)

STRUCTURE

The **interconnected natural systems** and ecological processes that **provide** clean water, air quality and wildlife habitat. Green infrastructure **sustains** a community's social, economic, and environmental health. (Green Infrastructure Center)

FUNCTION

A **network** of decentralized stormwater management practices, such as green roofs, trees, rain gardens and permeable pavement, that can capture and infiltrate rain where it falls, thus reducing stormwater runoff and **improving** the health of surrounding waterways. (Center for Neighborhood Technology)

BENEFIT

A cost-effective, **resilient approach to managing** wet weather impacts that **provides** many community benefits. (US EPA)

DEFINITIONS

DESIGN

BUILD

MANAGE

GREEN INFRASTRUCTURE is a collection of natural lands, working landscapes, open spaces, and appropriate construction interventions that conserves ecosystem functions and provides benefits to human populations.



TPT COMMUNITIES

- Alamosa, CO
- Alliance, NE
- Arcadia, NE
- Belle Plaine, KS
- Beloit, KS
- Bonner Springs, KS
- Broomfield, CO
- Burlington, KS
- Chadron, NE
- Cheyenne, WY
- Fort Collins, CO
- Fort Morgan, CO
- Grand Junction, CO
- **Gurley, NE**
- Helena, MO
- Johnsnnton, IA
- Lawrence, KS
- Lexington, NE
- Lincoln, NE
- McPherson, KS
- Minden, NE
- Nebraska City, NE
- Newcastle, WY
- Norfolk, NE
- Papillion, NE
- **Powell, WY**
- Valparaiso, NE
- Weston, NE
- Worland, WY

APPROACHES

Explore

Champion

Map & Plan

Finance

Implement

Sustain

Create Partnerships

Gather Data

Engage Community

Define Strategies

Implement

Evaluate

METRO GREEN



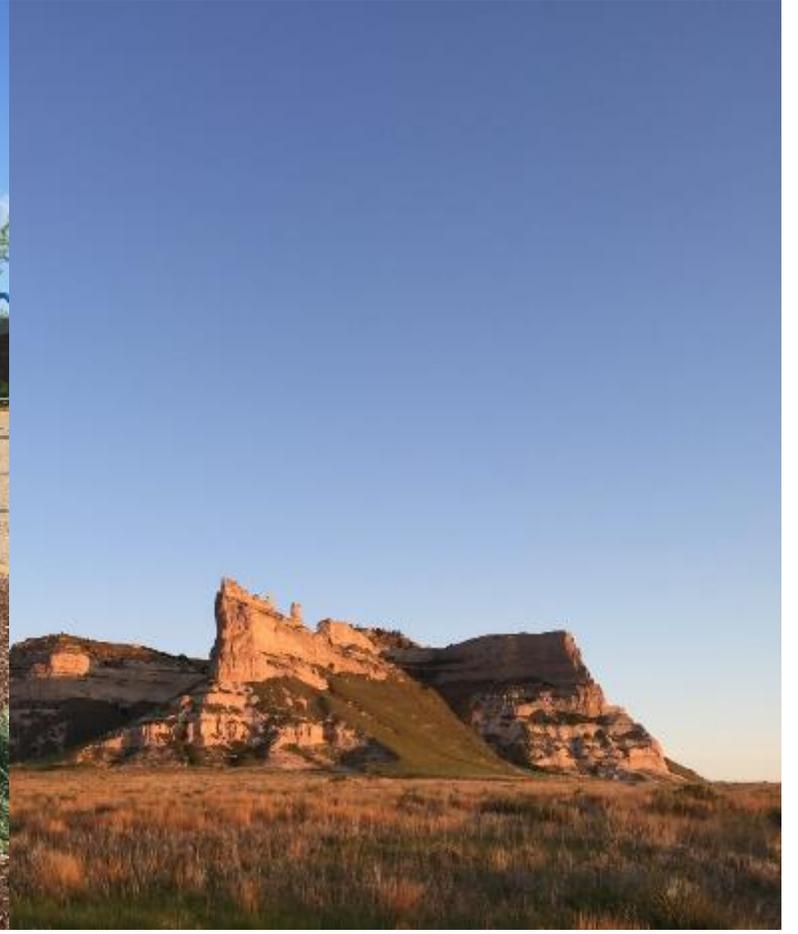
SCOTTSBLUFF, NEBRASKA

Champion
Implement



SCOTTSBLUFF, NEBRASKA

Explore
Engage Community



CASPER, WYOMING

Finance
Define Strategies



GREENSBURG, KANSAS

Map & Plan
Create Partnerships



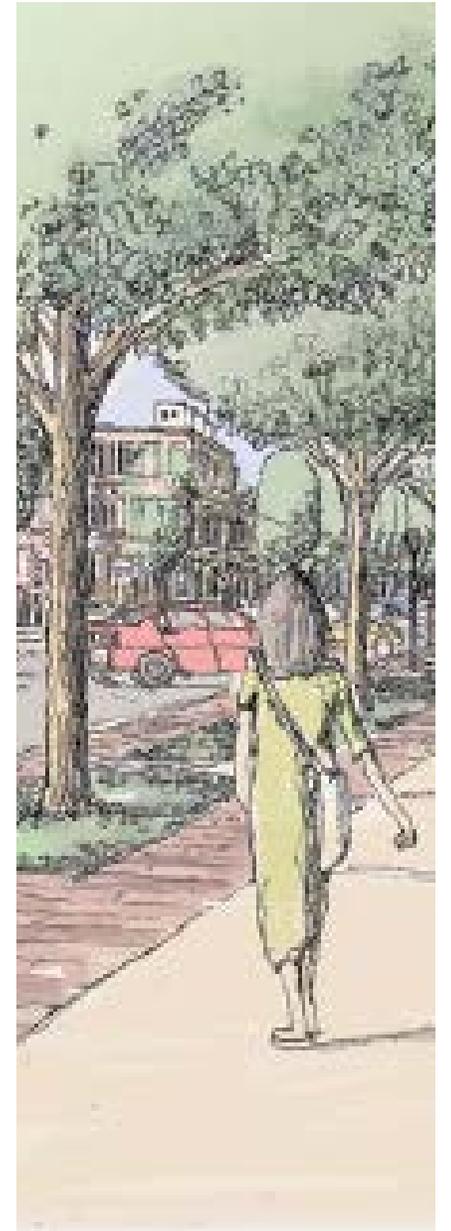
COMMUNITY GOALS

COMMUNITY | A progressive community that offers urban services within the unassuming feel of a rural, Midwestern community.

FAMILY | A community that provides opportunities for its young people in the way of jobs, education and recreation as reasons to stay in Greensburg.

ENVIRONMENT | A community that recognizes the importance of the natural environment and balances the need for growth and economic development with the maintenance and improvement of the environment.

HEALTH | Improve quality of life by promoting a healthy and active lifestyle.



LYONS, COLORADO



LYONS, COLORADO

Resilience
Recovery



EXAMPLES

- [Corning, NY](#) > 3.3 sq mi, 11,183 people
- [Moab, UT](#) > 3.6 sq mi, 5,130 people
- [Greensburg, KS](#) > 1.48 sq mi, 777 people
- [Windsor, CO](#) > 14.9 sq mi, 18,664 people
- [Lyons, CO](#) > 1.2 sq mi, 2,033 people
- [Nebraska City, NE](#) > 4.69 sq mi, 7,289 people
- [Howard, SD](#) > 0.95 sq mi, 858 people
- [Kearney, MO](#) > 12.92 sq mi, 8,381 people, [KC Metro Green](#)
- [Magna, UT](#) > 7.4 sq mi, 26,505 people, [Wasatch Choice for 2040/Envision Utah](#)
- Bucoda, WA > 0.59 sq mi, 562 people, [Sustainable Thurston](#)
- [Wilmington, MA](#) > 17.2 sq mi, 22,325 people
- [Waverly, IA](#) > 11.51 sq mi, 9,874 people

RESOURCES

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- Green Infrastructure & Forestry Toolkit, <http://giftoolkit.org/>
- Green Infrastructure Center, <http://www.gicinc.org/>
- Nature Works, <http://www.jff.org/initiatives/natureworks>
- EPA Green Infrastructure, <https://www.epa.gov/green-infrastructure>
- The Conservation Fund, <http://www.conservationfund.org/what-we-do/strategic-conservation-planning>