“Chancen und Perspektiven für die Zukunft – Was macht eine Regionen erfolgreich?”

November 2, 2012

Essen, Germany

Dale Medearis, Ph.D.
Northern Virginia Regional Commission

International Partnerships Viewed Suspiciously

International Work Marginalized and Domestic Benefits Ignored

HURRICANE KATRINA: THE AFTERMATH

Changing Course to Go With the Flow

By Francine Stock Sellers

Working With the Water

Defenses Everywhere

1935
The Florida Keys

1969
Bay St. Louis, Miss

"*While the weakest parts of the Dutch system protect inland areas from one-every-1,250-years flooding, Louisiana's strongest systems are only rated to a 100-year storm*."

What Needs to Occur:

Learning or Exchange That Is:

Problem-Focused,

Goal-Oriented

Geographically-Targeted

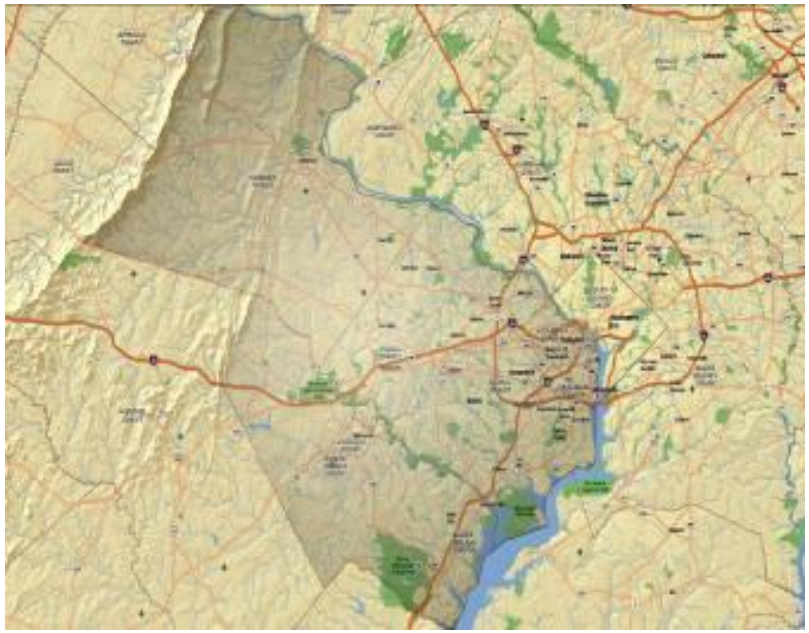
Where Policymakers Receive:

- **Context of Imported Programs and How they Evolved;**
- **Quantitative Performance Measures;**
- **Prospective Analysis About Transfer Possibilities**

And There are OUTCOMES – Not Just Events or Exchanges

Case of Northern Virginia

- **500,000 new residents moving to Northern Virginia by 2020**
- **Few actionable and comprehensive energy plans**



The Causes/Sources of GHG Emissions

Comparative Quantitative Benchmarks

Total CO2e Per Capita Per Year (metric tons)	
Canada	22
USA	22
Denmark	14
Germany	10
European Union	10
Virginia	23

Municipal CO2e per capita per year (metric tons)	
USA – Washington DC	20
Germany - Mannheim	5
Denmark - Copenhagen	3

„Governments to Cooperate and Companies to Compete“ - Michael Eckert

“Business between Europe and the U.S. exceeds $ 3.75 trillion annually and accounts for over 14 million ‘on-shored’ jobs every year”

“Total European investment in India is less than half of German investment in individual U.S. states such as Missouri or South Carolina”

- Hamilton and Quinlan (2009)

Trade and Investment Between Virginia and Europe

Employment

European* investment in Virginia supported 74,000 jobs in 2008.

Sources of Employment within Virginia, 2008	
Country	**Employment**
United Kingdom	28,300
Japan	17,100
Germany	14,000
France	13,200
Netherlands	11,900

***Numbers just for France, Germany, Netherlands, Switzerland and the UK.**

**** Data for jobs related to trade, plus indirect employment effects in terms of suppliers, distributors, makes 200,000 jobs with Europe**

Source: Bureau of Economic Analysis, Foreign Trade Division, U.S. Census Bureau

CEP in Loudoun & Arlington Counties

NVRC

Transatlantic Climate Bridge

MVV Energie

Verband Region Stuttgart

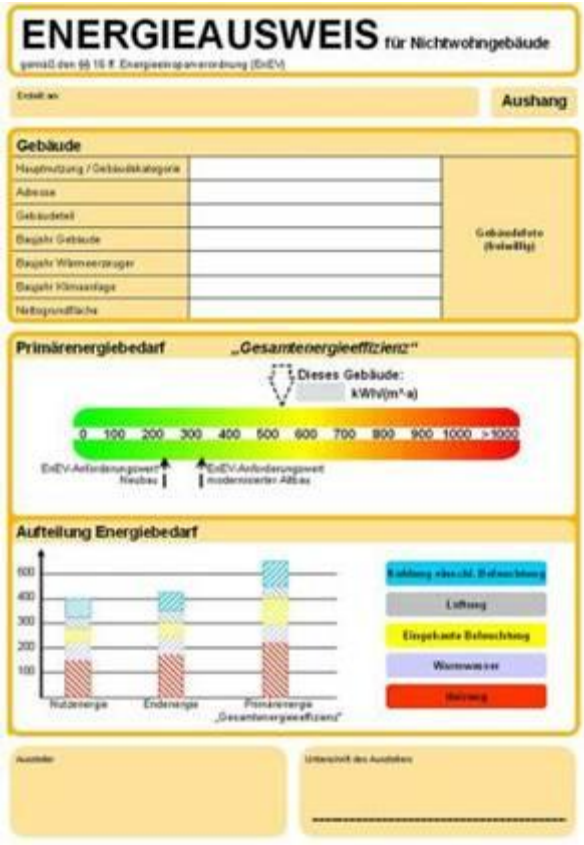
Garforth International

The Response: Community Energy Planning (Problem-Focused Goal-Oriented Learning)

Typology:

- **Energy Efficiency**
  - Efficient homes and buildings/transportation
- **Heat Recovery**
  - Distributed combined heat and power
- **Renewable Energies**
  - PV, solar thermal, wind
- **Energy Distribution & *Scale***
  - Flexible distribution with multiple fuels

Energy Efficiency Lessons From Germany



Heat Recovery & "Scale"

Legal Review of DE Under Existing Virginia Law

Cogeneration and Renewable Energies

Potential Applications in Loudoun, Fairfax and Arlington Counties

Thanks!

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NVRC

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