

PGDP Future Vision Project

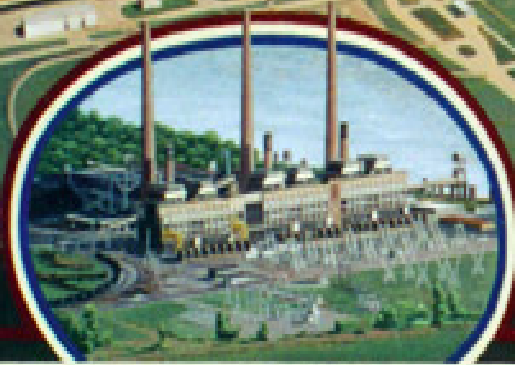


www.uky.edu/krcce/project23.html

WELCOME

to the

ATOMIC CITY



Site Facts*

- Total Federal Acreage: 3,556
- Gaseous Diffusion Plant Acreage: 748
- Total Number of Buildings: 161
- Process Buildings: 4
- Process Building Dimensions: 1,100 ft. long, 970 ft. wide, 90 ft. high
- Process Building Acreage Under Roof: 74 acres
- Number of Enrichment Stages: 1,760
- Peak Design Power Capacity: 3,040 megawatts
- Largest Process Motor: 3,300 horsepower
- Water Utilization: 26 million gallons per day
- Number of Control Instruments: 85,000
- Miles of Process Piping: 400 (approximately) Miles of Roadway: 19
- Miles of Railroad: 9 Miles of Perimeter Fence: 5 miles
- Number of Employees: 1200
- Annual Regional Economic Impact: \$147 million

*www.usec.com

Project Goal: Assist the local community to identify a vision for the future use of the PGDP site (3,556 acres).

Project Funding: Federal earmark facilitated by Senators McConnell, Bunning, and Representative Whitfield.

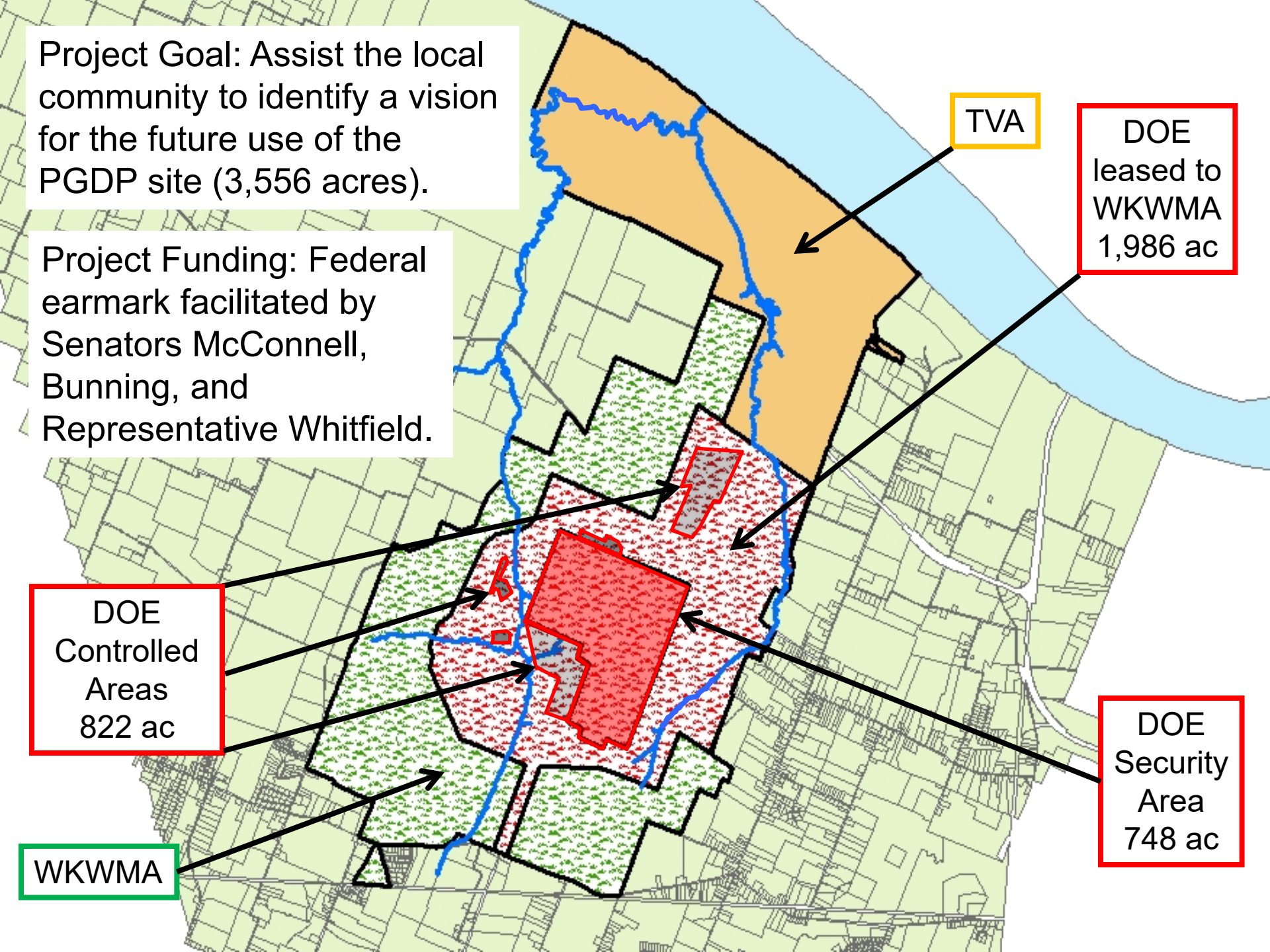
TVA

DOE leased to WKWMA
1,986 ac

DOE Controlled Areas
822 ac

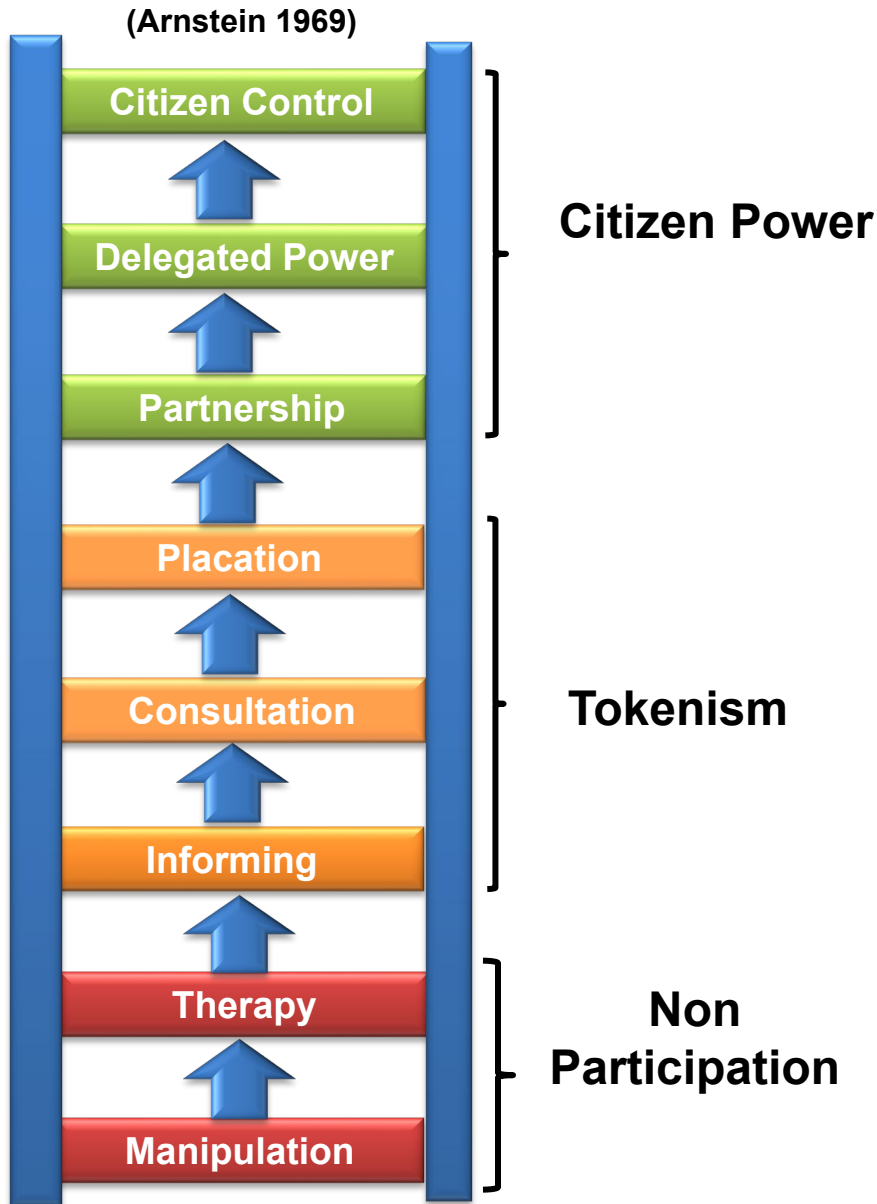
DOE Security Area
748 ac

WKWMA



Guiding Principles

Ladder of Citizen Participation



- Foster Citizen Power
- Follow principles in “Politics of Cleanup”



Examined community involvement in cleanup activities at:

- 1) Rocky Flats
- 2) Mound
- 3) Oak Ridge

and made recommendations

- Use Community Based Participatory Communication Process
- Use Structured Public Involvement Process

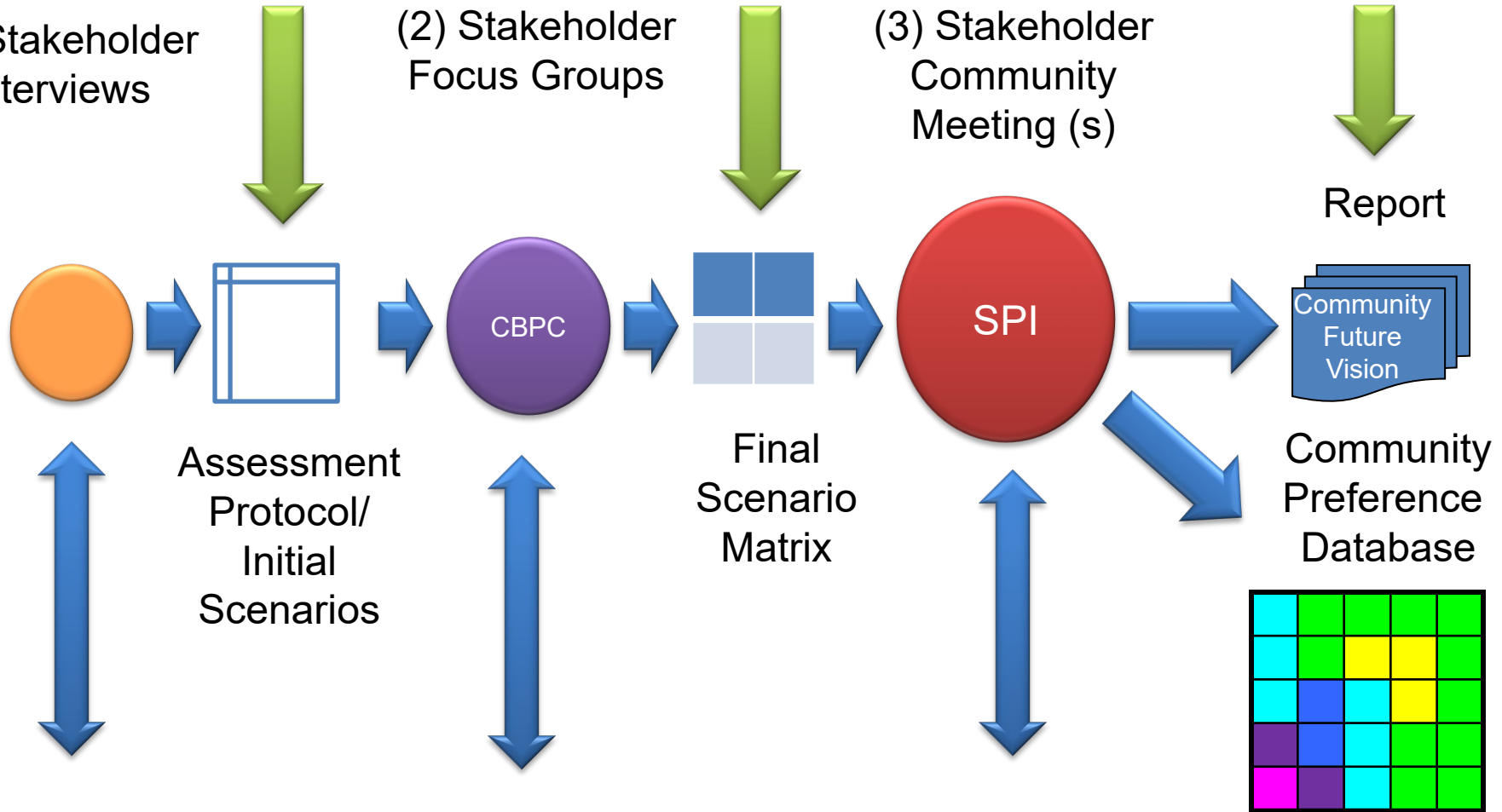
PGDP Future Vision Process

Future Vision Advisory Panel (Representatives Drawn from Stakeholders)

(1) Stakeholder Interviews

(2) Stakeholder Focus Groups

(3) Stakeholder Community Meeting (s)



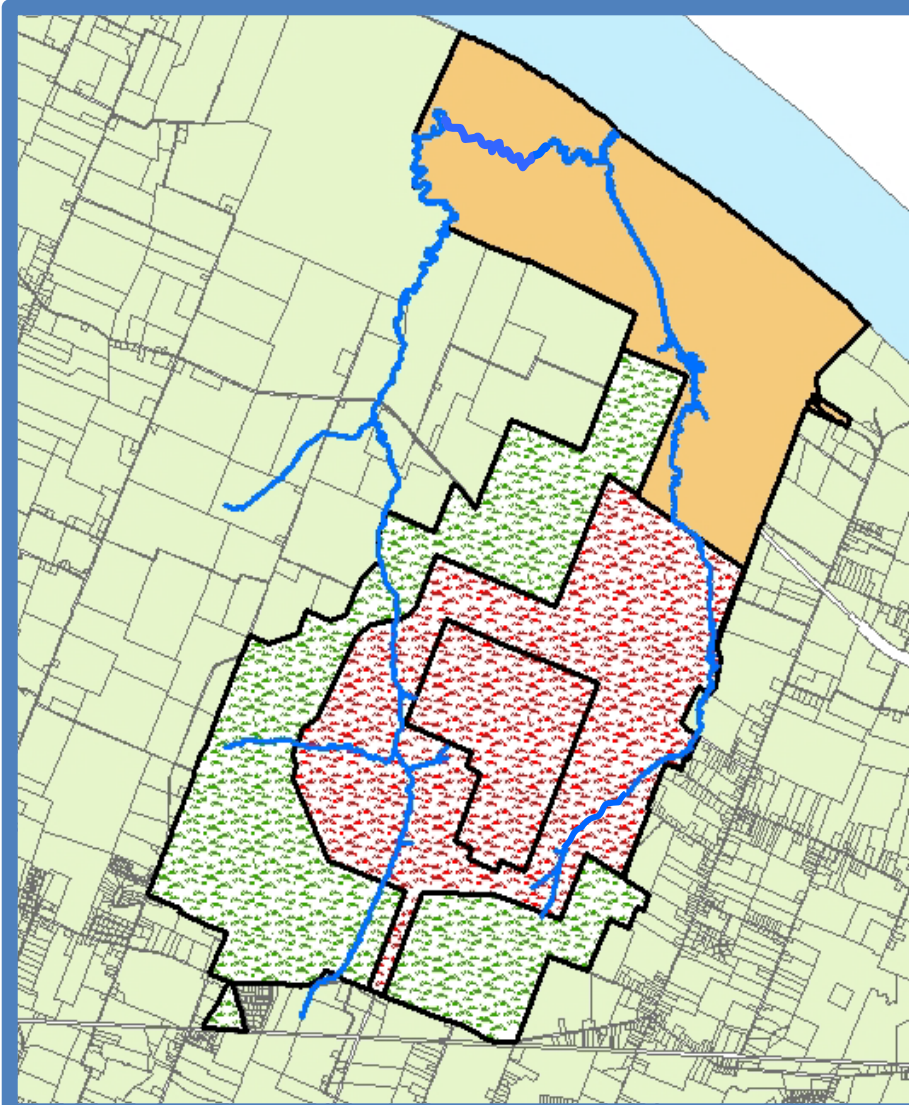
UK/KRCEE

Example Scenario Matrix

Categories		Scenario 1	Scenario 2	Scenario 3	Scenario 4
DOE PDGP Land Use					
1. Nuclear					
2. Industrial					
3. Wildlife					
4. Institutional Controls					
DOE WMA Land Use					
1. Industrial					
2. Commercial					
3. Recreational Facilities					
4. Wildlife					
Groundwater Remediation					
1. Pump and Treat					
2. C400 Building					
3. On site source reduction					
4. On and off site reduction					
On Site Waste Disposal					
1. All					
2. Partial					
3. None					

Example Scenario Fact Sheet

(To be generated from discussions with advisory panel and focus groups)



Trends:

Energy Needs



Economic



Environmental



Uncertainties:

Funding



Regulations



Demographics



Impacts:

Health



Economic



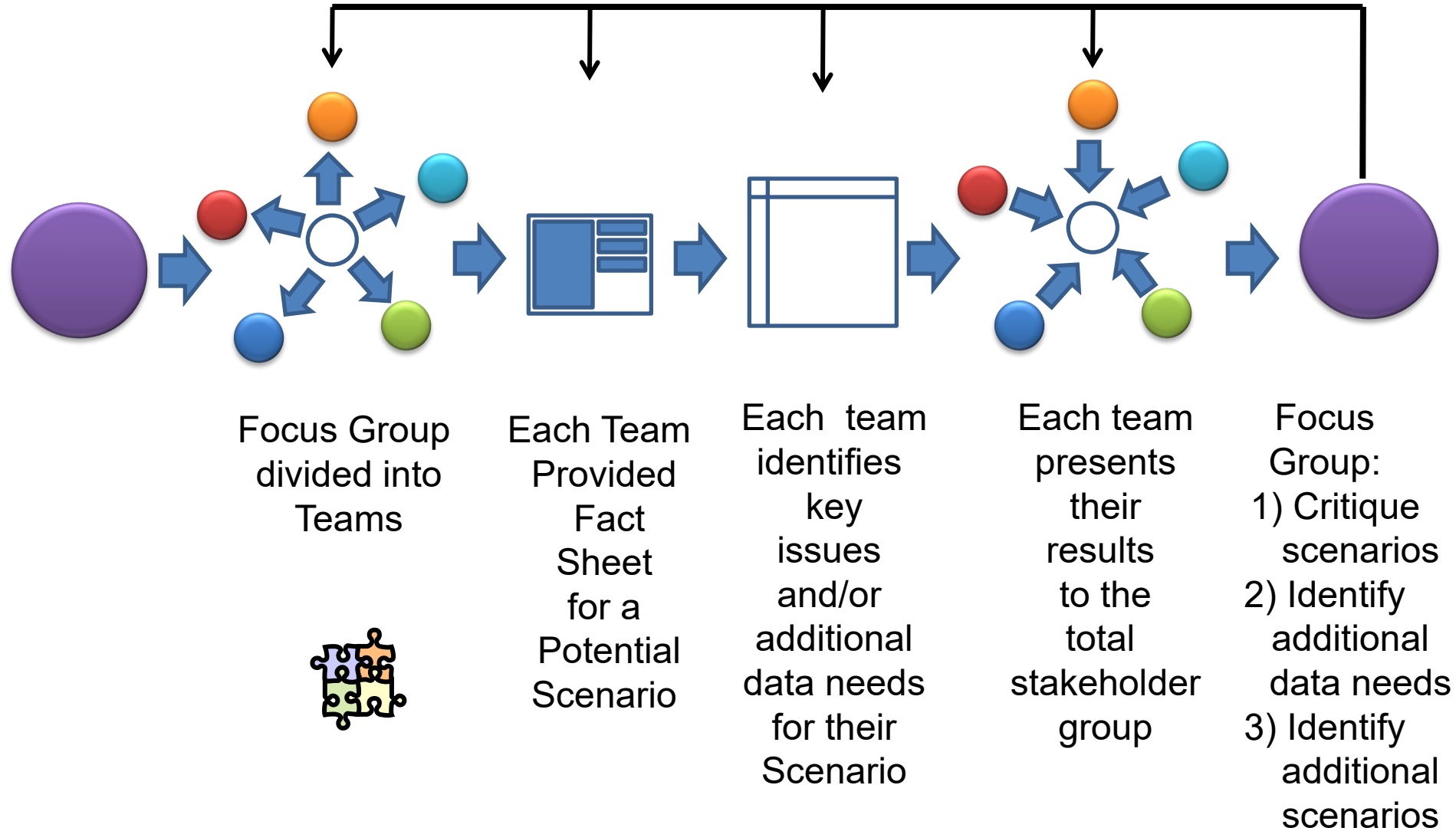
Environmental



(2) Stakeholder Focus Groups

(Community based participatory communication - Dr. Chike Anyaegbunam - UK)

4) Focus Group Critiques Process



Stakeholder Categories

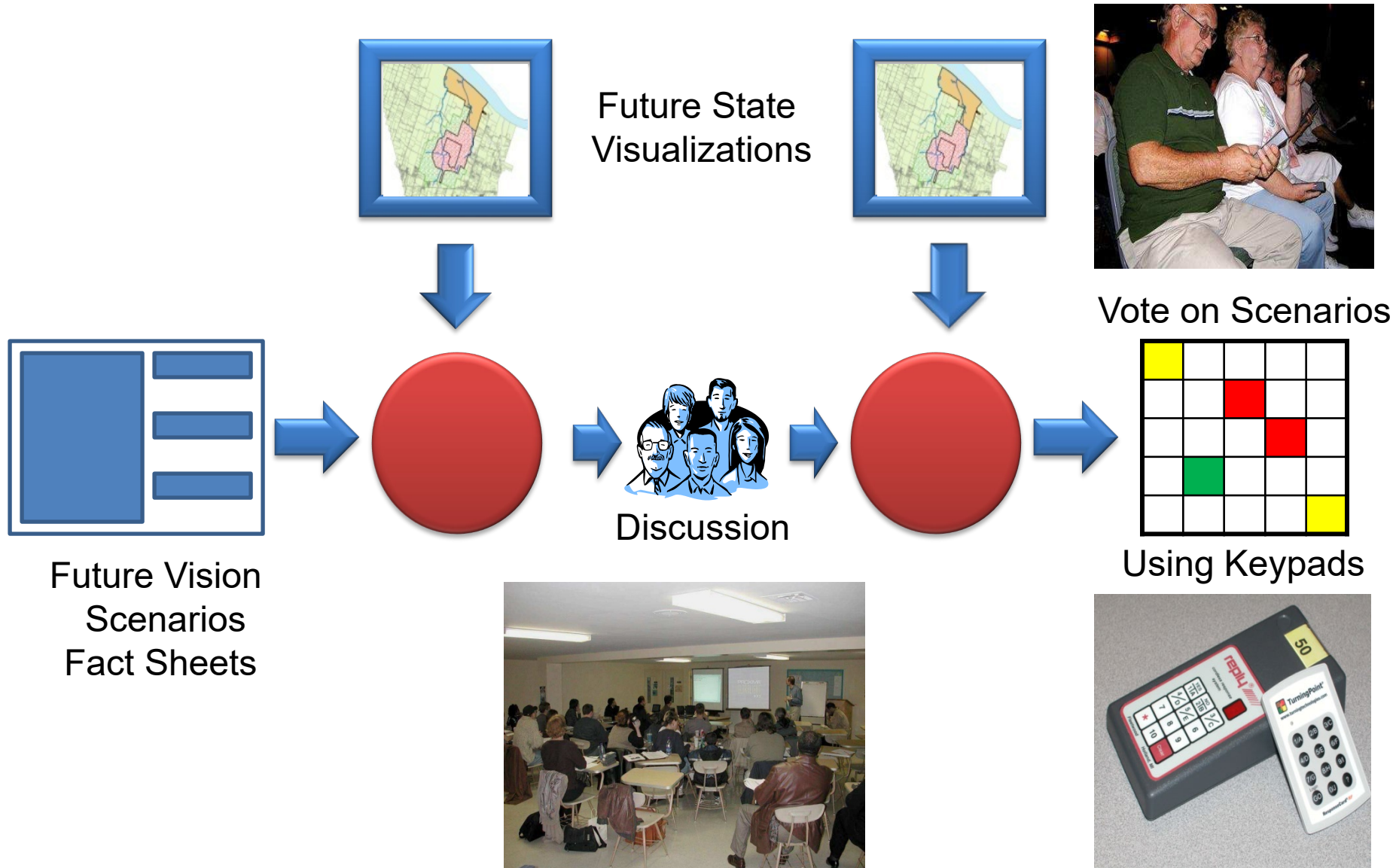
- Federal and State Agencies (DOE, EPA, TVA, USF&W, KYDWM, KYDOW, KYF&W)
- Federal & state representatives and local government
- Residents near the facility
- Employees at the plant
- Environmental/Health Activists
- Economic Development Community
 - Including KYCED
- Healthcare Community
- Education Community
- Media
- Religious/Spiritual Community
- Recreation/Tourism/Wildlife
- Regional Stakeholders (Ballard County, Metropolis)

Future Vision Advisory Panel

Stakeholder Group	Representative	Organization
Residents	Janece Everett	Rep Whitfield's Office
Employees	Todd Nelson	Union President
Environmental/Health Activists	George L. Johnson	Coalition for Health Concerns
Economic Development	Elaine Spalding	Chamber of Commerce
Healthcare	Lynn King	Lourdes Hospital
Education	David Nickell	WKCTC
Media	Gary Adkisson	Paducah Sun
Religious/Spiritual	Rev. Raynaldo Henderson	Washington St Baptist Church
Wildlife/Recreation	Tim Kreher	WKWMA
Tourism	Mary Hammond	Convention/Visitors Bureau
Ballard County	Gaye Brewer	KY DOW
DOE	Buz Smith	DOE
DOE Contractors	Joe Tarantino	PRS
Local Government	Jim Zumwalt	City of Paducah
CAB	Ralph Young	CAB
Regulatory	Ed Winner	KY DOWM

(3) Stakeholder Community Meeting

(Structured Public Involvement - Dr. Ted Grossardt - UK)

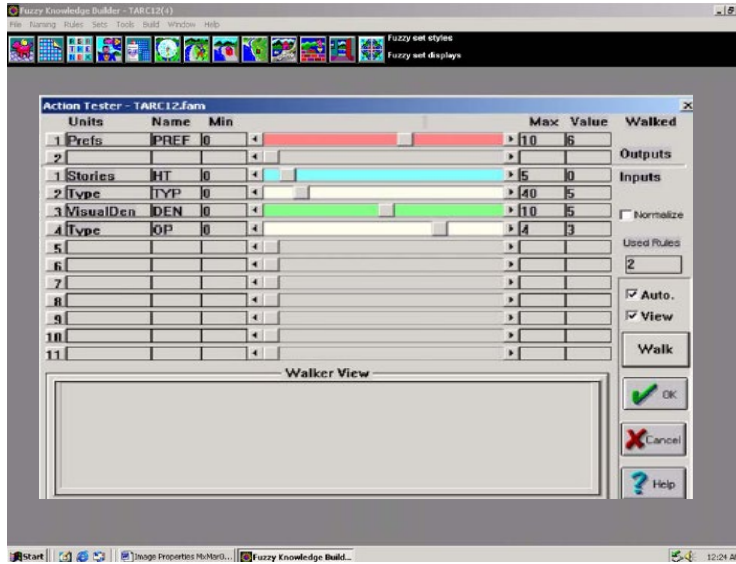


Example 3-D Visualization
Louisville Light Rail Project

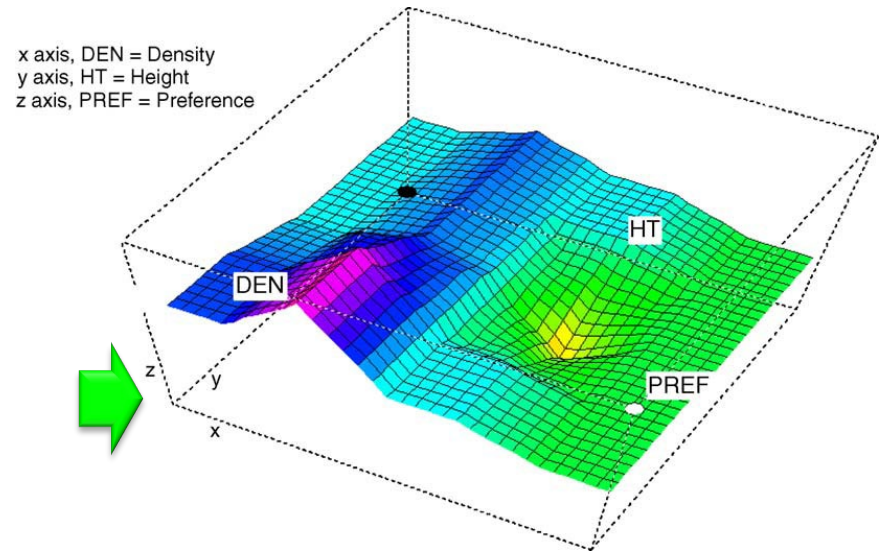


Community Preference Model

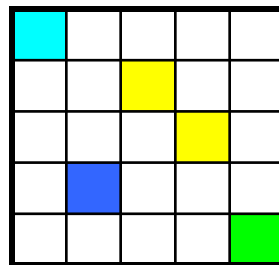
(CAsewise Visual Evaluation (CAVE) - Dr. Keiron Bailey - UA)



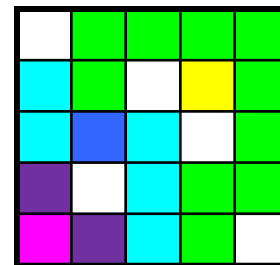
Fuzzy Knowledge Builder



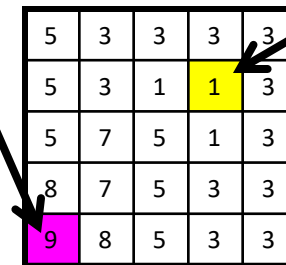
Good Solution Bad Solution



Sampled Scenarios



Modeled Scenarios



Solution Evaluation

Future Vision TIMELINE

