

Successful Applications: Development Issues

Dr. Bill Elder

University of Missouri Extension
Office of Social and Economic Data Analysis

Missouri Census Data Center Conference

Jefferson City, Missouri

July 20, 2004

Application Development

- **5.6 Million “google” hits on application development best practices**
 - “Only” 196,000 if “demographics” is added
- **Numerous general development models**
 - Key characteristics (*KISS—dynamic—formative*)
 - Middle level strategies (e.g. “*Refactoring*” – Fowler)
 - Public niches (*Tax payers, “externalities”, leveraging*)
- **Some Application Examples**
- **Discussion**

Application Examples

- One of many commercial sites...
- <http://www.demographicsnow.com/AllocateOnline.dll>
- <http://www.extendthereach.com/Events/DNowFreeDSeminars/DNowConference.srct>

- Some Sample OSEDA applications
- <http://www.oseda.missouri.edu/modot/index.html>
- http://www.oseda.missouri.edu/dese_seir/index.shtml
- <http://www.communityconnection.org/index.jsp>
- <http://www.oseda.missouri.edu/kidscount/03/index.html>
- <http://osedamissouri.edu/senior/>

Discussion: Key Factors for Public Application Development

- Engagement – formative development
 - Key users and stakeholders
 - Focus on utilization (M.Q. Patton)
- “Positive externalities” – clear public good
 - Leveraging prior public investments
 - Cost effectiveness (relative to private sector)
- OTHER FACTORS.....

References

- [WWW.google.com](http://www.google.com)
- Amber, Scott, (2002). “Refactoring for Fitness”, *Software Development*.
- http://www.wmich.edu/evalctr/checklists/uf_e.pdf

Successful Applications: Development Issues

Dr. Bill Elder

University of Missouri Extension
Office of Social and Economic Data Analysis

Missouri Census Data Center Conference

Jefferson City, Missouri

July 20, 2004