

ENTERPRISE SYSTEMS ENGINEERING

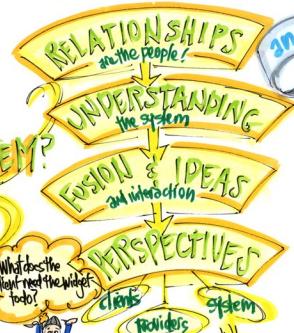
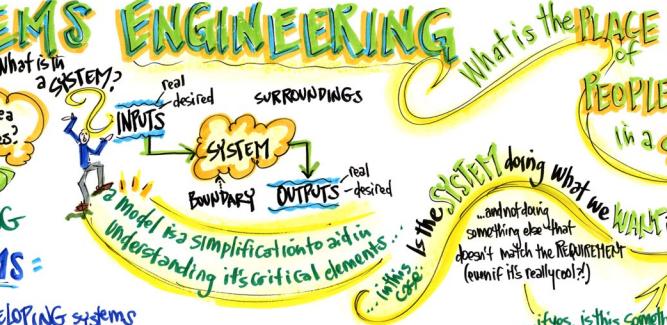
PICK A

- SYSTEMS THINKING
- SYSTEMS ENGINEERING
- HUMAN SERVICES ENGINEERING
- & COMPLEX ADAPTIVE SYSTEMS =
 - AN AMALGAMATION of LEGACY systems & DEVELOPING systems that provide ENHANCED capabilities

- includes system of systems
- by nature is difficult to define
- total is > sum of its parts
- has DOMAINS
 - Physical
 - Economic
 - Political

Human Services ENTERPRISE CHALLENGES include :

- Lack of GOVERNANCE
- LARGE SIZE
- WASTE/REDUNDANCE
- NO DEFINITE BOUNDARIES
- NO COMMON BUDGET
- EVER-CHANGING REQUIREMENTS
- SYSTEM is CONSTANTLY CHANGING



PAUL

TECHNOLOGY IS THE EASY PART
CULTURE CHANGE IS THE CHALLENGE!
Based on three PRINCIPLES:

SAFE-GUARPING
information security + rights protection

INFORMATION is a NATIONAL ASSET whose VALUE INCREASES when SHARED

POLICIES of AUTHORIZED USES

National Toolkit rollout
find HOOKS!

DATA USE AGREEMENTS so the USER EXPERIENCE is SEAMLESS
no matter how messy it may be behind the wall

HUMAN SERVICES SYSTEMS THINKERS

because we

1 UNDERSTAND the BIG PICTURE

2 APPRECIATE CAUSE & EFFECT

3 FIND UNINTENDED CONSEQUENCES

4 TAKE the LONG TERM VIEW

5 CHALLENGE ASSUMPTIONS

6 RECOGNIZE SYSTEM STRUCTURE
INFLUENCES HUMAN BEHAVIOR
USE the SYSTEM STRUCTURE to INFLUENCE

REACH OUT
BROADLY
LOCALLY
ACROSS DOMAINS

KNOW your BUDGET
APPLY PSYCHOLOGY

GO FOR the HIGHEST LEVERAGE OPPORTUNITY

USE the CULTURE already in your SYSTEM

June 26/13 HANNAH MINTON

where we are, where to go, and how to get there...